HUBBELL

INDUSTRIAL
COMMERCIAL
RESIDENTIAL

HUBBELL

®

Wiring Device-Kellems

- Hubbell inSIGHT Phase Indicating Disconnect Switches
- Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures
- Disconnects with Jog Switch

- Advantage™ Series Switch-Rated IEC Pin and Sleeve Floor Boxes
- Watertight Pin and Sleeve Devices
- Corrosion Resistant Devices
- Low Profile Devices

- Meet Energy Conservation Codes and Standards
- Reduce Energy Consumption
- Wired or Wireless Applications
- Integration with Centralized or Distributed Control Systems

For more than a century, Hubbell Wiring Device-Kellems has offered distributors, end-user customers and specifiers the electrical and electronic wiring devices, wire management systems and specialized wiring products and solutions needed for industrial, institutional, commercial and residential markets.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

- SystemOne 4 inch Adjustable Recessed Floor Boxes
- Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs

- Countertop Pop-Up Receptacles
- Table Top Boxes
- Pre-Wired USB Pop-Up Boxes
- Pre-Wired Furniture/Work Boxes

- Powered Seating Boxes
- Cabled Charging Stations
- Power Charging Pedestals
- USB Charging Receptacles
- PlugTrak® Raceway with USB

Ensuring the safety of people and equipment while still effectively delivering power and technology is priority number one, which is why Hubbell products provide essential protection against injury and the dangers of electricity. Hubbell products are innovatively designed to maximize energy efficiency, reduce costs and ultimately lead to a lower total cost of ownership.

Table of Contents – Sections Overview

Q   Fire-Rated Poke-Through (FRPT) Devices

- Hubbell SystemOne Recessed Systems
- Hubbell SystemOne Flush Systems
- 2X2 Flush FRPT Units
- Flush Duplex and Furniture Feed FRPT Units
- Painted or Brushed Aluminum Pedestal FRPT

R   Charging Solutions

- Powered Seating Boxes
- Cabled Charging Stations
- Power Charging Pedestals
- USB Charging Receptacles
- 2X2 USB Work Surface Pop-Up Boxes
- PlugTrak® Raceway with USB Charger Outlets

S   Aluminum Service Poles

- Features and Benefits
- Aluminum Series Offering
- Custom Pole Configurations
- Division 16 Specifications

T   Metal and Non-Metallic Raceway

- Metal Raceway and PlugTrak®
- Aluminum Raceway and PlugTrak®
- Non-Metallic Raceway and PlugTrak®
- Pre-Wired Raceway

U   Trench, Wall and Underfloor Duct Products

- Trench Duct Series
- Wall Duct Series
- Underfloor Duct Series
- Underfloor Duct Raceway Activation Kits

V   Wire Basket Tray

- Round Cross-Wire Basket Tray
- Flat Style Cross-Wire Basket Tray
- Under Floor Round Cross-Wire Basket Tray
- Preformed Fittings Accessories
- Supports and Brackets

W   Hose and Cable Protection Systems

- TrukTrak® Systems
- TredTrak® Systems
- AccessTrak® Systems
- ProTrak™ Systems
- FloorTrak® Systems

X   Wire Management Products

- Pulling Grips
- Support Grips
- Fiber Optic Cable Grips
- Strain Relief for Flexible Cords
- Cord Connectors
- Non-Metallic Liquidtight Conduit & Tubing

Y   Network Wiring and netSELECT® Products

- Modular Jacks and Connectors
- Hubbell iSTATION Products
- In-Wall AV Delivery
- HDMI Products
- Network Enclosures and Modules
- Molded-In Voice/Data/Video

Z   tradeSELECT® Products

- Decorator Products
- iDevices Products
- USB Charger Receptacles
- Switches and Receptacles
- Countertop Receptacles
- Power Delivery

AA   Marine Products

- ELCI Interface Solutions
- 30A and 50A Cable Sets
- 100A and 200A Cable Sets
- Internationally Rated Devices
- Adapters
- Telephone and Cable TV Devices

BB   Other Wiring Products

- Circuit Testers
- Adapters and Fluorescent Starters
- Lockout Devices
- Lampholders and Accessories
- Taps, Adapters, Plugs and Connectors

General Technical Data

- Industry Standards
- Certification Agencies and Markings
- Codes and Standards Organizations
- NEMA and IEC Classifications
- Circuit Wiring Diagrams

Hubbell Configuration Charts (page IV-V)

- NEMA Straight Blade Devices
- NEMA Twist-Lock® Devices

Catalog Number Index

- Numeric Part Numbers
- Section Page(s) Indicated

NEMA Straight Blade Devices

Rating			15 Ampere		20 Ampere		30 Ampere		50 Ampere		60 Ampere	
			Receptacle / Conn. Body	Plug / Inlet	Receptacle / Conn. Body	Plug / Inlet	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
2 Pole / 2 Wire	**125V**	1	A-37 · 1-15R	A-37 · 1-15P								
	250V	2			A-37 · 2-20R	A-37 · 2-20P						
2 Pole / 3 Wire Grounding	**125V**	5	A-8 to A-10, A-12 to A-28, A-32, A-34, A-35, A-40, A-46, C-6, AA-35 · 5-15R	A-32, A-33, A-35, A-40, C-6, AA-35 · 5-15P	A-8 to A-10, A-12 to A-28, A-32, A-34, A-35, A-40, A-46, C-6, AA-37 · 5-20R	A-32, A-33, A-35, A-40, C-6, AA-37 · 5-20P	A-41 · 5-30R	A-41 · 5-30P	A-43 · 5-50R	A-43 · 5-50P		
	250V	6	A-9, A-11, A-23, A-32, A-36, C-6 · 6-15R	A-32, A-36, C-6 · 6-15P	A-9, A-11, A-23, A-32, A-36, C-6 · 6-20R	A-32, A-36, C-6 · 6-20P	A-41 · 6-30R	A-41 · 6-30P	A-43 · 6-50R	A-43 · 6-50P		
	277V AC	7	A-37 · 7-15R	A-37 · 7-15P			A-41 · 7-30R	A-41 · 7-30P	A-43 · 7-50R	A-43 · 7-50P		
3 Pole / 3 Wire	**125/250V AC**	10			A-38 · 10-20R	A-38 · 10-20P	A-41 · 10-30R	A-41 · 10-30P	A-43 · 10-50R	A-43 · 10-50P		
	3Ø 250V AC	11	11-15R	11-15P	11-20R	11-20P	11-30R	11-30P	11-50R	11-50P		
3 Pole / 4 Wire Grounding	**125/250V AC**	14			A-38 · 14-20R	A-38 · 14-20P	A-42 · 14-30R	A-42 · 14-30P	A-44 · 14-50R	A-44 · 14-50P	A-45 · 14-60R	A-45 · 14-60P
	3Ø 250V AC	15			A-38 · 15-20R	A-38 · 15-20P	A-42 · 15-30R	A-42 · 15-30P	A-44 · 15-50R	A-44 · 15-50P	A-45 · 15-60R	A-45 · 15-60P
4P / 4W	**3ØY 120/208V AC**	18			A-38 · 18-20R	A-38 · 18-20P	A-42 · 18-30R	A-42 · 18-30P	A-44 · 18-50R	A-44 · 18-50P	A-45 · 18-60R	A-45 · 18-60P

HOW TO USE THIS CHART:

For quick reference, this chart shows the configuration, primary catalog section and page number where the devices are shown.

Open Slots indicates Receptacle / Connector Body configurations (female).

Closed Slots indicates Plug / Inlet configurations (male).

NEMA Configuration

Catalog Section and Page Number
A-3
A-7
A-16
C-6
AA-35
5-15R

IMPORTANT NOTICE:

The catalog pages referenced in **BLUE** are Insulgrip®, Valise®, Safety-Shroud® and Watertight Safety-Shroud® devices, in **RED** are Watertight devices, and in **ORANGE** are Marine corrosion resistant devices

HUBBELL® Wiring Device-Kellems — www.hubbell-wiring.com

NEMA Twist-Lock® Devices

Rating Color Coded by Voltage			15 Ampere		20 Ampere		30 Ampere	
			Receptacle / Conn. Body	Plug / Inlet	Receptacle / Conn. Body	Plug / Inlet	Receptacle / Conn. Body	Plug / Inlet
2 Pole / 2 Wire	125V	L1	B-11 L1-15R	B-11 L1-15P				
	250V	L2			B-19 L2-20R	B-19 L2-20P		
2 Pole / 3 Wire Grounding	125V	L5	B-13 C-7 AA-34 L5-15R	B-12 C-7 AA-34 L5-15P	B-21 C-7 AA-36 L5-20R	B-20 C-7 AA-36 L5-20P	B-29 C-8 L5-30R	B-28 C-8 L5-30P
	250V	L6	B-13 C-7 L6-15R	B-12 C-7 L6-15P	B-21 C-7 L6-20R	B-20 C-7 L6-20P	B-29 C-8 L6-30R	B-28 C-8 L6-30P
	277V AC	L7	B-13 C-7 L7-15R	B-12 C-7 L7-15P	B-21 C-7 L7-20R	B-20 C-7 L7-20P	B-29 C-8 L7-30R	B-28 C-8 L7-30P
	480V AC	L8			B-24 L8-20R	B-24 L8-20P	B-37 L8-30R	B-37 L8-30P
	600V AC	L9			B-24 L9-20R	B-24 L9-20P	B-37 L9-30R	B-37 L9-30P
3P / 3W	125/250V AC	L10			B-24 L10-20R	B-24 L10-20P	B-31 L10-30R	B-30 L10-30P
3 Pole / 4 Wire Grounding	125/250V AC	L14			B-23 C-8 L14-20R	B-22 C-8 L14-20P	B-31 C-9 L14-30R	B-30 C-9 L14-30P
	3Ø 250V AC	L15			B-23 C-8 L15-20R	B-22 C-8 L15-20P	B-31 C-9 L15-30R	B-30 C-9 L15-30P
	3Ø 480V AC	L16			B-23 C-8 L16-20R	B-22 C-8 L16-20P	B-33 C-9 L16-30R	B-32 C-9 L16-30P
	3Ø 600V AC	L17					B-33 C-9 L17-30R	B-32 C-9 L17-30P
4 Pole / 4 Wire	3ØY 120/208V AC	L18			B-25 L18-20R	B-25 L18-20P	B-36 C-9 L18-30R	B-36 C-9 L18-30P
	3ØY 277/480V AC	L19			B-25 L19-20R	B-25 L19-20P	B-36 L19-30R	B-36 L19-30P
	3ØY 347/600V AC	L20			B-25 L20-20R	B-25 L20-20P	B-36 L20-30R	B-36 L20-30P
4 Pole / 5 Wire Grounding	3ØY 120/208V AC	L21			B-27 L21-20R	B-26 L21-20P	B-35 L21-30R	B-34 L21-30P
	3ØY 277/480V AC	L22			B-27 L22-20R	B-26 L22-20P	B-35 L22-30R	B-34 L22-30P
	3ØY 347/600V AC	L23			B-27 L23-20R	B-26 L23-20P	B-35 L23-30R	B-34 L23-30P
2P / 3W	347V AC	L24			B-24 L24-20R	B-24 L24-20P		
	240V AC	L25					B-37 L25-30R	B-37 L25-30P
4P / 5W	3ØY 240/415V AC	L26					B-35 L26-30R	B-34 L26-30P

MIDGET TWIST-LOCK® DEVICES

Rating		Receptacle	Plug
2P / 2W	15A 125V	B-7 ML-1R	B-6 ML-1P
2P / 3W Gr	15A 125V	B-7 ML-2R	B-6 ML-2P
3P / 3W	15A 125/250V AC	B-7 ML-3R	B-6 ML-3P

50A TWIST-LOCK® DEVICES

Rating		Receptacle	Plug
2 Pole / 3 Wire Grounding	50A 125V Corrosion Resistant ANSI C73-110 / NEMA SS1-50 Marine Products	AA-14 AA-15	AA-14 AA-15
	50A 125V	B-56	B-56
	50A 250V	B-56	B-56
	50A 480V AC	B-56	B-56
3 Pole / 4 Wire Grounding	50A 125/250V Corrosion Resistant ANSI C73-111 / NEMA SS2-50 Marine Products	AA-16 AA-17	AA-16 AA-17
	50A 125/250V AC	B-57	B-57
	50A 3Ø 250V AC	B-57	B-57
	50A 3Ø 480V AC	B-57	B-57

NON-NEMA TWIST-LOCK® DEVICES

Rating		Receptacle	Plug
3 Pole / 3 Wire	20A 125/250V	B-45 C-8	B-44 C-8
	30A 125/250V	B-48 C-9	B-47 C-9
4 Pole / 4 Wire	20A 3ØY 120/208V AC	B-45	B-44
	30A 3ØY 120/208V AC	B-48 C-9	B-47 C-9
4P/5W Gr	20A 250V 10A 600V AC	B-46	B-46

General Information

Industrial and Commercial Wiring Devices and Systems
Kellems Wire Management Products
Residential Products
Marine Products

MEMBER
NEMA
Setting Standards for Excellence

NAED ASSOCIATE

RoHS

U.S. GREEN BUILDING COUNCIL MEMBER

Certified System ™
ISO 9001

National Electrical Manufacturers Association

NEMA promotes the competitiveness of its member companies by providing a forum for the development of technical standards that are in the best interests of the industry and the users of its products.

National Association of Electrical Distributors

Since 1908, NAED has served as the trade association for the electrical distribution industry.

To be an NAED associate member, your company must be a manufacturer or value-added reseller.

Restriction of Hazardous Substances

The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment".

U.S. Green Building Council Member

Hubbell is a US Green Building Council (USGBC) member dedicated to advancing buildings that are environmentally responsible in the way they are designed, built and operated.

International Organization for Standardization

ISO (International Organization for Standardization) is the world's largest developer and publisher of International Standards.

Precautions have been taken to assure accuracy of the information in this catalog. Typographical or pictorial errors which are brought to our attention will be corrected in subsequent issues.

Product dimensions in this catalog are nominal and are provided for the convenience of our customers. Hubbell reserves the right to make product changes from time to time, without prior notification, which may change the dimensions shown. We, therefore, recommend they be checked before using for customer projects or product development and specification.

The designs and dimensions of the products listed in this catalog, were correct at the date of publication and are subject to change without notice.

All configuration diagrams shown in the various sections of the catalog are female devices (receptacles, connector bodies, etc.) unless otherwise indicated.

No material will be accepted for return unless permission is granted in writing by this Company. All orders received for special items and engraved plates are accepted as firm orders and are non-cancelable by the customer.

Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

The following trademarks of Hubbell Incorporated, are your assurance of the highest quality wiring devices and wiring management products in the Industry.

• 4-PLEX®	• HBL®	• Micro-Quick®	• PremiseTrak®	• Super Twist-Lock®
• AccessTrak®	• Handi-Screw®	• Mini-Quick®	• PresSwitch®	• SWITCHOUT®
• Advantage™	• Hubbell®	• MotorQuick®	• ProTrak™	• SwivelLok®
• ADD-A-SHROUD®	• Hubbell Juniors®	• Nano-Quick®	• RACO®	• tradeSELECT®
• AUTOGUARD®	• Hubbellock®	• netSELECT®	• Rough-in Ready®	• TredTrak®
• BaseTrak®	• Hubbellnet®	• NEXTSPEED®	• Safety-Shroud®	• TrukTrak®
• CableTrak®	• inSIGHT™	• NOT Plug Resistant™	• ScrubShield®	• Twist-Lock®
• CircuitGuard®	• Insul-Lock™	• OPTIMYZER®	• Seal-Tite®	• Valise®
• Circuit-Lock®	• Insulgrip®	• OPTISOK®	• Signal-Quick®	• Variload®
• CircuitPro®	• JLOAD®	• PANEL-SAFE®	• SNAP*Connect*®	• VARI-SIZE®
• DUA-PULL®	• Kellems®	• PLUG-CHECK®	• SPEEDGAIN®	• WallTrak®
• Elastogrip®	• LANTrak®	• PLUGOUT®	• Spider®	• X_{CLAMP}™
• FloorTrak®	• LINKOSITY®	• PlugTrak®	• SpikeShield®	
• GOTCHA®	• Load:Logic®	• PolyTrak®	• Style Line®	
• Gripulator®	• MAXX™	• PolyTuff®	• Super BaseTrak®	

UPC Vendor Code No. 783585 - Hubbell Wiring Device-Kellems
CAGE No. 74545
© 2019 Hubbell Incorporated

Table of Contents

**HBL® Extra Heavy Duty
Hospital Grade**

**Extra Heavy Duty
SNAP*Connect*® Receptacles**

**Permanently Marked
Receptacles**

Products at a Glance

HBL® Extra Heavy Duty Hospital Grade

- Deep nylon body design increases impact and chemical resistance
- One-piece nickel-plated brass ground strap
- ID marking surface for quick circuit identification
- Square head, 10-thread bronze center rivet
- External back wire clamp

HBL® Extra Heavy Duty

- One-piece brass ground strap
- Exclusive bypass contact design for greater contact force and reduced heat buildup
- Barbed assembly arms reduce possibility of face/base separation
- Deep face design

Commercial Specification Grade

- Installation ease
  - Single tab breakoff ears
  - Self-grounding staple
  - Easy access split circuit tab
- Tamper-Resistant... **NOT** Plug Resistant™
- Wrap-around galvanized steel straps

SNAP*Connect*® Extra Heavy Duty

- Hospital and Specification Grade
- SNAP*Connect*® modular wiring device system saves installation time
- Eliminates screw terminations
- Steel mounting strap, self-grounding
- Compact size requires minimal space
- Single receptacles available

Hubbell-PRO Heavy Duty

- Specification Grade and Hospital Grade
- Tamper-Resistant... **NOT** Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding

4-PLEX Receptacles

- Hospital Grade and Surge styles
- Mounts directly to 4-inch square box
- "A" and "B" circuit ID molded into face
- Removable knockouts for mounting to octagon concrete ring or box
- Heavy duty, triple wipe, brass power and ground contacts

USB Charger Receptacles

- Type-C, Type A&C and Type A port configurations, high power 5 Amp, 5 Volt DC USB output
- Available in Standard and Hospital Grade
- Weather Resistant Type A&C USB charger
- SNAP*Connect*® devices, reduce labor costs and installation time
- 4 Port and Switch Combo outlets

Features and Benefits

Hubbell "Hospital Grade" Devices

UL requirements for Hospital Grade devices is more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

• Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature

• Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas

• Impact resistant deep face design prevents breakage

Because of these features and others, the benefit is performance, reliability and value for any health care facility.

HBL8200GY

Housing Design
• Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
• Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
• Deep body design increases impact and chemical resistance

Terminals
• External wiring clamps allow for visual inspection of the terminals
• Unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination

One-Piece Mounting Strap
• Back wired ground terminal allows faster, easier installation
• One-piece nickel-plated brass integral ground strap for greater corrosion resistance
• Patented ground contact provides redundant grounding

Contacts
• Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
• Barbed assembly arms reduce possibility of face/base separation

Identification
• I.D. marking surface provides quick, sure circuit identification
• All Hospital Grade devices are marked with the green dot symbol, required by UL

Center Rivet
• Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

Features and Benefits

HBL® Extra Heavy Duty Industrial Series

Hubbell's commitment to quality continually reinforces a philosophy of unrivaled performance. No Hubbell device exemplifies this philosophy more than the HBL5262. While all Hubbell receptacles are designed and manufactured to withstand even the harshest environments, none match the total performance of the HBL5262.

Whether in a factory, office building or school, the Hubbell HBL5262 is the receptacle of choice when people are depending on the safety and reliability of a receptacle.

• One-piece brass ground strap

• Patented bypass contacts

• Back wired ground terminal reduces installation time and increases convenience

The safest, most reliable design for a low resistance flow of fault currents. Oversized "bell" shaped ground contacts, along with nickel plated steel retaining shields, help minimize damage to the grounding system during abrupt pullout.

HBL5262

Housing Design
• RTP base offers greater heat resistance, plus contact stability
• Providing contact stability, this high tech material will reduce heat buildup, giving you long lasting performance
• Deep nylon body design delivers increased impact resistance

Terminals
• External bundling terminals contain wire strands and are designed for quick inspection
• Unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination

One-Piece Mounting Strap
• Back wired ground terminal allows faster, easier installation
• One-piece brass ground strap for low resistance of fault currents
• Patented ground contact provides redundant grounding

Contacts
• Patented "bypass" contacts are made of high grade brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
• Barbed brass locking arms keep the face locked in place to diminish potential for face/base separation

Identification
• I.D. marking surface provides quick, sure circuit identification

Center Rivet
• Square head, 10-thread brass center rivet won't rotate, reduces stripping and resists corrosion

Features and Benefits

SNAP*Connect*® Extra Heavy Duty Receptacles

- Modular wiring system eliminates screw terminals
- Speeds installation and trim-out
- Clear polycarbonate terminal housing to inspect contacts
- Available in standard, tamper-resistant and power indicating LED versions
- Abuse resistant nylon for extra heavy use applications
- Stainless steel autoground

SNAP1RA

SNAP5362IA

Housing Design
- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Compact size, requires minimal box space
- Clean finished look

Installation Ease
- Self-grounding clip
- Modular receptacle which requires pigtailed connector below

Identification
- Clear terminal housing for easy inspection of power contacts
- No exposed metal
- Audible SNAP, indicates solid connection
- Secure, easy grip latch

Labor Savings

Save One Minute!
- Rough-in the SNAP*Connect*® terminal instead of pigtails

Save Over Three Minutes!
- Remove protective packaging and SNAP*Connect*® device to the circuit

Complete Trim-Out in Less Than One Minute!
- Secure mounting screws, attach wallplate, job complete

Features and Benefits

Tamper-Resistant

Commercial Specification Grade Receptacles

The Hubbell Tamper-Resistant Mechanism eliminates the frustration and difficulty experienced using TR receptacles with plugs that have sharp, or bent blades. Hubbell TR receptacles work so well there is virtually no perceptible difference in the feel between the TR receptacles and our conventional non-TR receptacles. Trust Hubbell to deliver TamperResistant protection that feels like it's not even there.

- Patented TR design eliminates plug-in difficulty and TR complaints
- Perfect for residential TR applications involving tenants with limited dexterity or hand strength
- For use in locations requiring TamperResistant receptacles
- Best-in-class TR mechanism

BR15I

DR20GRYTR

Tamper-Resistant...
NOT Plug Resistant™

Housing Design
- Durable nylon face and base construction
- Modern architectural appearance, Style Line® decorator face

Tamper-Resistant... NOT Plug Resistant®
- Patented Cam Action TR Mechanism
- Difficulties due to problematic plugs are minimized

One-Piece Mounting Strap
- Sturdy construction, wrap-around galvanized steel straps
- Installation ease
- Single tab breakoff ears
- Self-grounding staple

Contacts
- Easy access split circuit tab
- Fork terminal capable
- Oversized terminal screws

Permanently Marked Receptacles for Automatic Outlet Control Systems
- These receptacles are embossed with the universally recognized power symbol and the word "CONTROLLED" remains clearly visible after installation
- Available in SNAP*Connect*® and conventionally wired versions

Nightlight Receptacle
- Two nightlight LEDs for 0.5 Lumens total
- Tamper-resistant shutters complies with NEC article 406.12
- Back and side wired

Features and Benefits

USB Charger Receptacles and Outlets

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

The 4 Port and 2 Port Charger Outlet feature a USB port door, which when open enables power. When closed, all power is switched OFF. This eliminates all current flow for a "zero" no-load draw. Buildings looking to provide 100% green efficiency in power delivery will maximize LEED and energy efficient design.

Common Features

- Green LED indicator to show USB power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products

USB15AC5W

USB4ACW

Types of USB Chargers

- Two Type-C ports, one Type A and one Type-C port, or two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle

Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light

USB Charger Receptacles

- Standard and Hospital Grade
- Provides both USB and electrical power in a standard single gang opening
- Back and side wired

SNAPConnect® Receptacle

- SNAPConnect® devices reduce labor time during installation and when being serviced in the future
- Installation ease
- Self-grounding staple

Identification

- Patented Hubbell TR technology uses cam action shutters; the friction-free design of the mechanism's doors requires much less force to open
- Green LED indicator to show USB power available

4 Port and Switch Combo Outlets

- 4 Port outlet, 5 Amp, 5V DC, Type-C, Type A&C and Type A class 2.0
- 4 Port has switch activated port door; when closed, all power is switched OFF
- Switch Combo has two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/ 3-way switch

Apple® is a registered trademark of Apple Inc.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

FED.SPEC. ⓊL ⓊL ⓒⓢ

15 and 20 Ampere, 125 Volts

IP20
SUITABILITY

| 15A 125V
NEMA 5-15R
UL CSA
0.5 HP | 20A 125V
NEMA 5-20R
UL CSA
1 HP |

HBL® Extra Heavy Duty
Hospital Grade 🟢 Receptacles

HBL8200GY
1.63" (41.4)
3.28" (83.3)
2.72" (69.0)
.97" (24.6)

HBL8300SGA
1.63" (41.9)
3.28" (83.3)
2.75" (69.8)
1.04" (26.4)

HBL8200ILW
1.33" (33.8)
3.28" (83.3)
2.72" (69.0)
.80" (20.3)

HBL2172
1.36" (34.5)
3.28" (83.3)
2.75" (69.9)
.80" (20.3)

HBL8210GY
1.63" (41.4)
3.28" (83.3)
1.94" (49.3)
1.19" (30.2)

	Color	Catalog Number	
Duplex			
Flush, thermoplastic polyester face, back and side wired.	Black	**HBL8200BK**	–
	Blue	–	**HBL8300BL**
	Brown	**HBL8200**	**HBL8300**
	Gray	**HBL8200GY**	**HBL8300GY**
	Ivory	**HBL8200I**	**HBL8300I**
	Light Almond	**HBL8200LA**	**HBL8300LA**
	Red	**HBL8200RED**	**HBL8300RED**
	White	**HBL8200W**	**HBL8300W**
Flush, LED illuminated face, back and side wired.	Gray	**HBL8200ILGY**	**HBL8300ILGY**
	Ivory	**HBL8200ILI**	**HBL8300ILI**
	Red	**HBL8200ILR**	**HBL8300ILR**
	White	**HBL8200ILW**	**HBL8300ILW**
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).	Brown	**HBL8200SGA**	**HBL8300SGA**
	Gray	**HBL8200SGGYA**	**HBL8300SGGYA**
	Ivory	**HBL8200SGIA**	**HBL8300SGIA**
	Light Almond	–	**HBL8300SGLA**
	Red	**HBL8200SGRA**	**HBL8300SGRA**
	White	**HBL8200SGWA**	**HBL8300SGWA**
Isolated ground△.	Orange	**IG8200**	**IG8300**
	Red	**IG8200R**	**IG8300R**
MRI Receptacle, Duplex			
MRI receptacle, flush, thermoplastic polyester face, back and side wired. 100% non-ferrous.	Ivory	**HBL8200IMRI**	**HBL8300IMRI**
	Light Almond	**HBL8200LAMRI**	**HBL8300LAMRI**
	Red	**HBL8200RMRI**	**HBL8300RMRI**
	White	**HBL8200WMRI**	**HBL8300WMRI**
Slender/Compact, Duplex			
Flush, thermoplastic polyester face, back, and side wired, Fed. Spec. verified.	Brown	**HBL8200H**	**HBL8300H**
	Gray	**HBL8200HG**	**HBL8300HG**
	Green	–	**HBL8300HGN**
	Ivory	**HBL8200HI**	**HBL8300HI**
	Light Almond	**HBL8200HLA**	**HBL8300HLA**
	Red	**HBL8200HRED**	**HBL8300HRED**
	White	**HBL8200HW**	**HBL8300HW**
Style Line® Decorator*			
Flush, nylon face, back and side wired.	Brown	**HBL2172**	**HBL2182**
	Gray	**HBL2172GY**	**HBL2182GY**
	Ivory	**HBL2172I**	**HBL2182I**
	Office White	–	**HBL2182OW**
	Red	**HBL2172R**	**HBL2182R**
	White	**HBL2172WA**	**HBL2182WA**
Isolated ground△.	Ivory	–	**IG2182I**
	Orange	–	**IG2182**
	White	–	**IG2182WA**
Single			
Flush, nylon face, back and side wired, Fed. Spec. verified.	Almond	–	**HBL8310AL**
	Brown	**HBL8210**	**HBL8310**
	Gray	**HBL8210GY**	**HBL8310GY**
	Ivory	**HBL8210I**	**HBL8310I**
	Red	**HBL8210R**	**HBL8310R**
	White	**HBL8210W**	**HBL8310W**
Panel mount on 1.94 in. (49.2) centers.	Brown	**HBL8284**	–
	Ivory	**HBL8284I**	**HBL8384I**
Isolated ground△.	Orange	**IG8210**	**IG8310**

Note: △See section N for additional information on isolated ground devices.
*Not Fed. Spec. Listed.
See pages A-47 and A-48 for accessories.
See page Tech-10 for Tamper-Resistant description.
See section M for additional information on Hospital Grade products.
See section O for wallplates.

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

F UL S   UL   CSA
Fed.Spec.

15 and 20 Ampere, 125 and 250 Volts

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

HBL® Extra Heavy Duty
Hospital Grade ● Receptacles

Duplex	Color	Catalog Number	
Flush, thermoplastic polyester	Brown	**HBL8600**	**HBL8400**
face, back and side wired.	Ivory	**HBL8600I**	**HBL8400I**

Note: See page A-48 for accessories.
See section N for wallplates.

1.63"
(41.4)

2.72"
(69.0)

3.28"
(83.3)

.97"
(24.6)

HBL8600I

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

HBL® Extra Heavy Duty,
Specification Grade Receptacles

Duplex	Color	Catalog Number	
Flush, nylon face,	Black	**HBL5262BK**	**HBL5362BK**
back and side wired.	Blue	**–**	**HBL5362BL**
	Brown	**HBL5262**	**HBL5362**
	Gray	**HBL5262GY**	**HBL5362GY**
	Ivory	**HBL5262I**	**HBL5362I**
	Red	**HBL5262R**	**HBL5362R**
	White	**HBL5262W**	**HBL5362W**
Isolated ground[Δ].	Gray	**IG5262GY**	**IG5362GY**
	Ivory	**IG5262I**	**IG5362I**
	Orange	**IG5262**	**IG5362**
	Red	**IG5262R**	**IG5362R**
	White	**–**	**IG5362W**
Non-isolated ground, bulk pack of 100.	Orange	**–**	**HBL5362M4**
Weather Resistant,	Black	**HBL5262BKWR**	**HBL5362BKWR**
flush, nylon face,	Brown	**HBL5262WR**	**HBL5362WR**
back and side wired.	Gray	**HBL5262GYWR**	**HBL5362GYWR**
	Ivory	**HBL5262IWR**	**HBL5362IWR**
	Red	**HBL5262RWR**	**HBL5362RWR**
	White	**HBL5262WWR**	**HBL5362WWR**
Corrosion resistant.	Ivory	**HBL52CM62I**	**–**
	Yellow	**HBL52CM62**	**HBL53CM62**
Weather Resistant,	Gray	**IG5262GYWR**	**IG5362GYWR**
Isolated ground[Δ].	Ivory	**IG5262IWR**	**IG5362IWR**
	Orange	**IG5262WR**	**IG5362WR**
	Red	**IG5262RWR**	**IG5362RWR**
	White	**–**	**IG5362WWR**
On 4 in. (101.6) round cover.	Brown	**HBL5282**	**–**

Single			
Flush, nylon face,	Black	**HBL5261BK**	**HBL5361BK**
back and side wired.	Brown	**HBL5261**	**HBL5361**
	Gray	**–**	**HBL5361GRY**
	Ivory	**HBL5261I**	**HBL5361I**
	White	**–**	**HBL5361W**
Isolated ground[Δ].	Orange	**IG5261**	**IG5361**
Weather Resistant, Isolated ground[Δ].	Orange	**IG5261WR**	**IG5361WR**
Ring terminal connection.	Brown	**HBL5261RT**	**HBL5361RT**
	White	**HBL5261WRT**	**–**
	Yellow	**HBL5261YRT**	**–**
Weather Resistant,	Brown	**HBL5261WR**	**HBL5361WR**
flush, nylon face,	Gray	**–**	**HBL5361GRYWR**
back and side wired.	Ivory	**HBL5261IWR**	**HBL5361IWR**
Corrosion resistant.	Yellow	**HBL52CM61**	**HBL53CM61**
Panel mount on 1.94 in. (49.3) centers.	Brown	**HBL5284**	**HBL5357**

WR

Note: [Δ]See section N for additional information on isolated ground devices.
See pages A-47 and A-48 for accessories.
See page Tech-10 for Weather Resistant descriptions.
See section O for wallplates.

1.65"
(41.9)

3.28"
(83.3)

2.72"
(69.1)

.96"
(24.4)

HBL5262

1.65"
(41.9)

3.28"
(83.3)

2.72"
(69.1)

.96"
(24.4)

WR

HBL5362IWR

1.13"
(28.7)

3.28"
(83.3)

1.94"
(49.3)

1.39"
(35.3)

#6-32
TAP

.94"
(23.9)

HBL5261

1.94"
(49.3)

1.39"
(35.3)

1.63"
(41.4)

.86"
(21.8)

HBL5284

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

HBL5362ITR

HBL5252

HBL5242

HBL5251

HBL2152

Dimensions in Inches (mm)

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

HBL® Extra Heavy Duty Tamper-Resistant Receptacles

Duplex

Description	Color	Catalog Number	
Flush, nylon face, Tamper-Resistant, back and side wired.	Black	**HBL5262BKTR**	**HBL5362BKTR**
	Blue	**HBL5262BLTR**	**HBL5362BLTR**
	Brown	**HBL5262TR**	**HBL5362TR**
	Gray	**HBL5262GYTR**	**HBL5362GYTR**
	Ivory	**HBL5262ITR**	**HBL5362ITR**
	Light Almond	**HBL5262LATR**	**HBL5362LATR**
	Red	**HBL5262RTR**	**HBL5362RTR**
	White	**HBL5262WTR**	**HBL5362WTR**

HBL® Extra Heavy Duty Compact Receptacles

Duplex

Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Black	**HBL5252BK**	**HBL5352BK**
	Blue	**–**	**HBL5352BL**
	Brown	**HBL5252**	**HBL5352**
	Gray	**HBL5252GY**	**HBL5352GY**
	Ivory	**HBL5252I**	**HBL5352I**
	Red	**HBL5252R**	**HBL5352R**
	White	**HBL5252W**	**HBL5352W**
On a 4 in. (101.6) round cover.	Brown	**HBL5253**	**–**
Flush, nylon face, side wired only.	Brown	**HBL5242**	**HBL5342**
	Gray	**HBL5242GY**	**HBL5342GY**
	Ivory	**HBL5242I**	**HBL5342I**
	White	**HBL5242W**	**HBL5342W**
Ring terminal connection.	Brown	**HBL5242RT**	**HBL5342RT**

Single

Description	Color	Catalog Number	
Flush, side wired only.	Brown	**HBL5251**	**–**
	Ivory	**HBL5251I**	**–**
Panel mount 1.75 in. (44.5) centers.	Brown	**HBL5258**	**HBL5358**
	Ivory	**HBL5258I**	**–**

Style Line® Decorator*

Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Almond	**HBL2152AL**	**HBL2162AL**
	Black	**HBL2152BK**	**HBL2162BK**
	Brown	**HBL2152**	**HBL2162**
	Gray	**HBL2152GY**	**HBL2162GY**
	Ivory	**HBL2152I**	**HBL2162I**
	Office White	**HBL2152OW**	**HBL2162OW**
	White	**HBL2152WA**	**HBL2162WA**
Isolated ground△.	Gray	**–**	**IG2162GY**
	Orange	**IG2152**	**IG2162**

Note: △See section N for additional information on isolated ground devices.
*Style Line Duplex devices are not Fed. Spec. Listed.
See page A-47 for accessories.
See section O for wallplates.

15 and 20 Ampere, 250 Volts

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

HBL® Extra Heavy Duty, Specification Grade Receptacles

Duplex

Description	Color	Catalog Number	
Flush, nylon face, back and side wired, multiple drive screws.	Black	–	**HBL5462BK**
	Brown	**HBL5662**	**HBL5462**
	Gray	–	**HBL5462GY**
	Ivory	**HBL5662I**	**HBL5462I**
	Red	–	**HBL5462R**
Isolated ground[A].	Orange	**IG5662**	**IG5462**

1.65"
(41.9)

3.28"
(83.3)

2.72"
(69.1)

.96"
(24.4)

HBL5662I

Single

Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Brown	**HBL5661**	**HBL5461**
	Gray	–	**HBL5461GY**
	Ivory	**HBL5661I**	**HBL5461I**
	Red	–	**HBL5461R**
	White	–	**HBL5461W**
Isolated ground[A].	Orange	**IG5661**	**IG5461**
Panel mount 1.94 in. (49.3) centers.	Brown	**HBL5684**	–
Ring terminal connection.	Brown	**HBL5661RT**	–

1.65"
(41.9)

3.28"
(83.3)

2.72"
(69.1)

.96"
(24.4)

HBL5462I

Duplex and Single Panel Mount

Description	Color	Catalog Number	
Flush, nylon duplex face, side wired only.	Brown	**HBL5652**	–
	Ivory	**HBL5652I**	–
Panel mount 1.75 in. (44.5) centers.	Brown	**HBL5658**	–

Note: [A]See section N for additional information on isolated ground devices.
HP ratings are AC only.
See page A-47 for accessories.

1.19"
(30.2)

1.94"
(49.3)

1.39"
(35.3)

1.63"
(41.4)

HBL5661

1.63"
(41.4)

1.94"
(49.3)

1.39"
(35.3)

.875"
(22.2)

HBL5684

1.47"
(35.3)

1.75"
(44.5)

1.39"
(35.3)

#8-32
Tap

1.13"
(28.7)

HBL5658

Dimensions in Inches (mm)

FED SPEC (UL) (UL) (CSA)
Fed.Spec.

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

1.56"
(39.7)

3.28"
(83.3)

2.62"
(66.5)

.86"
(21.9)

SNAP8300WA

SNAP*Connect*® Extra Heavy Duty
Hospital Grade ● Receptacles

Duplex

Description	Color	Catalog Number	
Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page A-15.	Black	**SNAP8200BKA**	SNAP8300BKA
	Brown	**SNAP8200A**	SNAP8300A
	Gray	**SNAP8200GYA**	SNAP8300GYA
	Ivory	**SNAP8200IA**	SNAP8300IA
	Light Almond	SNAP8200LAA	SNAP8300LAA
	Red	**SNAP8200RA**	SNAP8300RA
	White	**SNAP8200WA**	SNAP8300WA
Hospital grade, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKNA**	SNAP8300BKNA
	Brown	**SNAP8200NA**	SNAP8300NA
	Gray	**SNAP8200GYNA**	SNAP8300GYNA
	Ivory	**SNAP8200INA**	SNAP8300INA
	Light Almond	SNAP8200LANA	SNAP8300LANA
	Red	**SNAP8200RNA**	SNAP8300RNA
	White	**SNAP8200WNA**	SNAP8300WNA
Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKTRA**	SNAP8300BKTRA
	Brown	**SNAP8200TRA**	SNAP8300TRA
	Gray	**SNAP8200GYTRA**	SNAP8300GYTRA
	Ivory	**SNAP8200ITRA**	SNAP8300ITRA
	Light Almond	SNAP8200LATRA	SNAP8300LATRA
	Red	**SNAP8200RTRA**	SNAP8300RTRA
	White	**SNAP8200WTRA**	SNAP8300WTRA
Hospital grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKSCTRA**	SNAP8300BKSCTRA
	Brown	**SNAP8200SCTRA**	SNAP8300SCTRA
	Gray	**SNAP8200GYSCTRA**	SNAP8300GYSCTRA
	Ivory	**SNAP8200ISCTRA**	SNAP8300ISCTRA
	Light Almond	SNAP8200LASCTRA	SNAP8300LASCTRA
	Red	**SNAP8200RSCTRA**	SNAP8300RSCTRA
	White	**SNAP8200WSCTRA**	SNAP8300WSCTRA
Isolated ground△, Hospital grade, Tamper-Resistant.	Orange	**SNAP8200IGTRA**	SNAP8300IGTRA
	Red	**SNAP8200RIGTRA**	SNAP8300RIGTRA
Hospital grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKL**	SNAP8300BKL
	Brown	**SNAP8200L**	SNAP8300L
	Gray	**SNAP8200GYL**	SNAP8300GYL
	Ivory	**SNAP8200IL**	SNAP8300IL
	Light Almond	**SNAP8200LAL**	SNAP8300LAL
	Red	**SNAP8200RL**	SNAP8300RL
	White	**SNAP8200WL**	SNAP8300WL
Isolated ground△, Hospital grade, with Power Indicating LED.	Orange	**SNAP8200IGL**	SNAP8300IGL
	Red	**SNAP8200RIGL**	SNAP8300RIGL
Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKLTRA**	SNAP8300BKLTRA
	Brown	**SNAP8200LTRA**	SNAP8300LTRA
	Gray	**SNAP8200GYLTRA**	SNAP8300GYLTRA
	Ivory	**SNAP8200ILTRA**	SNAP8300ILTRA
	Light Almond	**SNAP8200LALTRA**	SNAP8300LALTRA
	Red	**SNAP8200RLTRA**	SNAP8300RLTRA
	White	**SNAP8200WLTRA**	SNAP8300WLTRA
Isolated ground△, Hospital grade, TR with Power Indicating LED.	Orange	**SNAP8200IGLTRA**	SNAP8300IGLTRA
	Red	**SNAP8200RIGLTRA**	SNAP8300RIGLTRA

1.64"
(41.7)

3.28"
(83.3)

2.62"
(66.5)

.86"
(21.9)

SNAP8300LATRA

1.64"
(41.7)

3.28"
(83.3)

2.62"
(66.5)

.86"
(21.9)

SNAP8300L

1.64"
(41.7)

3.28"
(83.3)

2.62"
(66.5)

.86"
(21.9)

SNAP8300RLTRA

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Single Receptacles

	Hospital Grade ●		Hospital Grade ● Tamper-Resistant	
Color	15A 125V	20A 125V	15A 125V	20A 125V
Almond	**SNAP8210AL**	**SNAP8310AL**	**SNAP8210ALTR**	**SNAP8310ALTR**
Black	**SNAP8210BK**	**SNAP8310BK**	**SNAP8210BKTR**	**SNAP8310BKTR**
Blue	**SNAP8210BL**	**SNAP8310BL**	**SNAP8210BLTR**	**SNAP8310BLTR**
Brown	**SNAP8210**	**SNAP8310**	**SNAP8210TR**	**SNAP8310TR**
Gray	**SNAP8210GY**	**SNAP8310GY**	**SNAP8210GYTR**	**SNAP8310GYTR**
Ivory	**SNAP8210I**	**SNAP8310I**	**SNAP8210ITR**	**SNAP8310ITR**
Light Almond	**SNAP8210LA**	**SNAP8310LA**	**SNAP8210LATR**	**SNAP8310LATR**
Red	**SNAP8210R**	**SNAP8310R**	**SNAP8210RTR**	**SNAP8310RTR**
White	**SNAP8210W**	**SNAP8310W**	**SNAP8210WTR**	**SNAP8310WTR**

1.63"
(41.3)

3.28"
(83.3)

2.00"
(50.8)

.922"
(23.4)

SNAP8310GY

Dimensions in Inches (mm)

F.UL.S UL CSA
Fed.Spec.

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY

G
W
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

G
W
20A 125V
NEMA 5-20R
UL CSA
1 HP

1.64" (41.7)

3.28" (83.3)   2.62" (66.5)

.86" (21.9)

SNAP2182A

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

Style Line® Decorator

Description	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15.	Black	**SNAP2172BKA**	**SNAP2182BKA**
	Brown	**SNAP2172A**	**SNAP2182A**
	Gray	**SNAP2172GYA**	**SNAP2182GYA**
	Ivory	**SNAP2172IA**	**SNAP2182IA**
	Light Almond	**SNAP2172LAA**	**SNAP2182LAA**
	Red	**SNAP2172RA**	**SNAP2182RA**
	White	**SNAP2172WA**	**SNAP2182WA**
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKNA**	**SNAP2182BKNA**
	Brown	**SNAP2172NA**	**SNAP2182NA**
	Gray	**SNAP2172GYNA**	**SNAP2182GYNA**
	Ivory	**SNAP2172INA**	**SNAP2182INA**
	Light Almond	**SNAP2172LANA**	**SNAP2182LANA**
	Red	**SNAP2172RNA**	**SNAP2182RNA**
	White	**SNAP2172WNA**	**SNAP2182WNA**
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKTRA**	**SNAP2182BKTRA**
	Brown	**SNAP2172TRA**	**SNAP2182TRA**
	Gray	**SNAP2172GYTRA**	**SNAP2182GYTRA**
	Ivory	**SNAP2172ITRA**	**SNAP2182ITRA**
	Light Almond	**SNAP2172LATRA**	**SNAP2182LATRA**
	Red	**SNAP2172RTRA**	**SNAP2182RTRA**
	White	**SNAP2172WTRA**	**SNAP2182WTRA**
Hospital grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKSCTRA**	**SNAP2182BKSCTRA**
	Brown	**SNAP2172SCTRA**	**SNAP2182SCTRA**
	Gray	**SNAP2172GYSCTRA**	**SNAP2182GYSCTRA**
	Ivory	**SNAP2172ISCTRA**	**SNAP2182ISCTRA**
	Light Almond	**SNAP2172LASCTRA**	**SNAP2182LASCTRA**
	Red	**SNAP2172RSCTRA**	**SNAP2182RSCTRA**
	White	**SNAP2172WSCTRA**	**SNAP2182WSCTRA**
Isolated ground△, Hospital grade, Tamper-Resistant.	Orange	**SNAP2172IGTRA**	**SNAP2182IGTRA**
	Red	**SNAP2172RIGTRA**	**SNAP2182RIGTRA**
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKL**	**SNAP2182BKL**
	Brown	**SNAP2172L**	**SNAP2182L**
	Gray	**SNAP2172GYL**	**SNAP2182GYL**
	Ivory	**SNAP2172IL**	**SNAP2182IL**
	Light Almond	**SNAP2172LAL**	**SNAP2182LAL**
	Red	**SNAP2172RL**	**SNAP2182RL**
	White	**SNAP2172WL**	**SNAP2182WL**
Isolated ground△, Hospital grade, with Power Indicating LED.	Orange	**SNAP2172IGL**	**SNAP2182IGL**
	Red	**SNAP2172RIGL**	**SNAP2182RIGL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKLTRA**	**SNAP2182BKLTRA**
	Brown	**SNAP2172LTRA**	**SNAP2182LTRA**
	Gray	**SNAP2172GYLTRA**	**SNAP2182GYLTRA**
	Ivory	**SNAP2172ILTRA**	**SNAP2182ILTRA**
	Light Almond	**SNAP2172LALTRA**	**SNAP2182LALTRA**
	Red	**SNAP2172RLTRA**	**SNAP2182RLTRA**
	White	**SNAP2172WLTRA**	**SNAP2182WLTRA**
Isolated ground△, Hospital grade, TR with Power Indicating LED.	Orange	**SNAP2172IGLTRA**	**SNAP2182IGLTRA**
	Red	**SNAP2172RIGLTRA**	**SNAP2182RIGLTRA**

TR

TR

PWR

PWR
TR

1.64" (41.7)

3.28" (83.3)   2.62" (66.5)

.86" (21.9)

SNAP2182ITRA

1.64" (41.7)

3.28" (83.3)   2.62" (66.5)

.86" (21.9)

SNAP2182RL

1.64" (41.7)

3.28" (83.3)   2.62" (66.5)

.86" (21.9)

SNAP2182GYLTRA

Note: △See section N additional information on isolated ground devices and section O for wallplates.
See page A-5 for additional information on SNAPConnect features and page A-16 for SNAPConnect pigtailed connectors.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See pages A-47 and A-48 for accessories.

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	**SNAP1RAM2**	**SNAP1RNAM2**
	Stranded	**SNAP2RAM2**	**SNAP2RNAM2**

Note: For Assembled in USA products, must order connector with NA suffix.

.78" (19.8)   1.48" (37.6)

.63" (16.0)

SNAP1RA

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*®
Extra Heavy Duty Receptacles

Duplex

Description	Color	Catalog Number	
Specification grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page A-13.	Black	**SNAP5262BKA**	**SNAP5362BKA**
	Brown	**SNAP5262A**	**SNAP5362A**
	Gray	**SNAP5262GYA**	**SNAP5362GYA**
	Ivory	**SNAP5262IA**	**SNAP5362IA**
	Light Almond	**SNAP5262LAA**	**SNAP5362LAA**
	Red	**SNAP5262RA**	**SNAP5362RA**
	White	**SNAP5262WA**	**SNAP5362WA**
Specification grade, smooth, nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKNA**	**SNAP5362BKNA**
	Brown	**SNAP5262NA**	**SNAP5362NA**
	Gray	**SNAP5262GYNA**	**SNAP5362GYNA**
	Ivory	**SNAP5262INA**	**SNAP5362INA**
	Light Almond	**SNAP5262LANA**	**SNAP5362LANA**
	Red	**SNAP5262RNA**	**SNAP5362RNA**
	White	**SNAP5262WNA**	**SNAP5362WNA**
Specification grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKTRA**	**SNAP5362BKTRA**
	Blue	**SNAP5262BLTRA**	**SNAP5362BLTRA**
	Brown	**SNAP5262TRA**	**SNAP5362TRA**
	Gray	**SNAP5262GYTRA**	**SNAP5362GYTRA**
	Ivory	**SNAP5262ITRA**	**SNAP5362ITRA**
	Light Almond	**SNAP5262LATRA**	**SNAP5362LATRA**
	Red	**SNAP5262RTRA**	**SNAP5362RTRA**
	White	**SNAP5262WTRA**	**SNAP5362WTRA**
Specification grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKSCTRA**	**SNAP5362BKSCTRA**
	Blue	**SNAP5262BLSCTRA**	**SNAP5362BLSCTRA**
	Brown	**SNAP5262SCTRA**	**SNAP5362SCTRA**
	Gray	**SNAP5262GYSCTRA**	**SNAP5362GYSCTRA**
	Ivory	**SNAP5262ISCTRA**	**SNAP5362ISCTRA**
	Light Almond	**SNAP5262LASCTRA**	**SNAP5362LASCTRA**
	Red	**SNAP5262RSCTRA**	**SNAP5362RSCTRA**
	White	**SNAP5262WSCTRA**	**SNAP5362WSCTRA**
Isolated ground[Δ], Specification grade, Tamper-Resistant.	Orange	**SNAP5262IGTRA**	**SNAP5362IGTRA**
Spec. grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKL**	**SNAP5362BKL**
	Blue	**SNAP5262BLL**	**SNAP5362BLL**
	Brown	**SNAP5262L**	**SNAP5362L**
	Gray	**SNAP5262GYL**	**SNAP5362GYL**
	Ivory	**SNAP5262IL**	**SNAP5362IL**
	Light Almond	**SNAP5262LAL**	**SNAP5362LAL**
	Red	**SNAP5262RL**	**SNAP5362RL**
	White	**SNAP5262WL**	**SNAP5362WL**
Isolated ground[Δ], Specification grade, with Power Indicating LED.	Orange	**SNAP5262IGL**	**SNAP5362IGL**
Specification grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKLTRA**	**SNAP5362BKLTRA**
	Blue	**SNAP5262BLLTRA**	**SNAP5362BLLTRA**
	Brown	**SNAP5262LTRA**	**SNAP5362LTRA**
	Gray	**SNAP5262GYLTRA**	**SNAP5362GYLTRA**
	Ivory	**SNAP5262ILTRA**	**SNAP5362ILTRA**
	Light Almond	**SNAP5262LALTRA**	**SNAP5362LALTRA**
	Red	**SNAP5262RLTRA**	**SNAP5362RLTRA**
	White	**SNAP5262WLTRA**	**SNAP5362WLTRA**
Isolated ground[Δ], Specification grade, TR with Power Indicating LED.	Orange	**SNAP5262IGLTRA**	**SNAP5362IGLTRA**

SNAP*Connect*® Extra Heavy Duty Standard Single Receptacles

	Standard Duplex		Standard Duplex Tamper-Resistant	
Color	15A 125V	20A 125V	15A 125V	20A 125V
Almond	**SNAP5261AL**	**SNAP5361AL**	**SNAP5261ALTR**	**SNAP5361ALTR**
Black	**SNAP5261BK**	**SNAP5361BK**	**SNAP5261BKTR**	**SNAP5361BKTR**
Blue	**SNAP5261BL**	**SNAP5361BL**	**SNAP5261BLTR**	**SNAP5361BLTR**
Brown	**SNAP5261**	**SNAP5361**	**SNAP5261TR**	**SNAP5361TR**
Gray	**SNAP5261GY**	**SNAP5361GY**	**SNAP5261GYTR**	**SNAP5361GYTR**
Ivory	**SNAP5261I**	**SNAP5361I**	**SNAP5261ITR**	**SNAP5361ITR**
Light Almond	**SNAP5261LA**	**SNAP5361LA**	**SNAP5261LATR**	**SNAP5361LATR**
Red	**SNAP5261R**	**SNAP5361R**	**SNAP5261RTR**	**SNAP5361RTR**
White	**SNAP5261W**	**SNAP5361W**	**SNAP5261WTR**	**SNAP5361WTR**

Left column device images with dimensions:

SNAP5362IA
1.56" (39.7)
3.28" (83.3)
2.62" (66.5)
.86" (21.9)

SNAP5362LATRA
1.64" (41.7)
3.28" (83.3)
2.62" (66.5)

SNAP5362L
1.64" (41.7)
3.28" (83.3)
2.62" (66.5)

SNAP5362GYLTRA
1.64" (41.7)
3.28" (83.3)
2.62" (66.5)

SNAP5261I
1.63" (41.3)
3.28" (83.3)
2.00" (50.8)
.922" (23.4)

Dimensions in Inches (mm)

15 and 20 Ampere, 125 and 250 Volts

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*®
Extra Heavy Duty Receptacles

Style Line® Decorator

Description	Color	Catalog Number	
Specification grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below.	Black	SNAP2152BKA	SNAP2162BKA
	Brown	SNAP2152A	SNAP2162A
	Gray	SNAP2152GYA	SNAP2162GYA
	Ivory	SNAP2152IA	SNAP2162IA
	Light Almond	SNAP2152LAA	SNAP2162LAA
	Red	SNAP2152RA	SNAP2162RA
	White	SNAP2152WA	SNAP2162WA
Specification grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	SNAP2152BKNA	SNAP2162BKNA
	Brown	SNAP2152NA	SNAP2162NA
	Gray	SNAP2152GYNA	SNAP2162GYNA
	Ivory	SNAP2152INA	SNAP2162INA
	Light Almond	SNAP2152LANA	SNAP2162LANA
	Red	SNAP2152RNA	SNAP2162RNA
	White	SNAP2152WNA	SNAP2162WNA
Specification grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	SNAP2152BKTRA	SNAP2162BKTRA
	Blue	SNAP2152BLTRA	SNAP2162BLTRA
	Brown	SNAP2152TRA	SNAP2162TRA
	Gray	SNAP2152GYTRA	SNAP2162GYTRA
	Ivory	SNAP2152ITRA	SNAP2162ITRA
	Light Almond	SNAP2152LATRA	SNAP2162LATRA
	Red	SNAP2152RTRA	SNAP2162RTRA
	White	SNAP2152WTRA	SNAP2162WTRA
Specification grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	SNAP2152BKSCTRA	SNAP2162BKSCTRA
	Blue	SNAP2152BLSCTRA	SNAP2162BLSCTRA
	Brown	SNAP2152SCTRA	SNAP2162SCTRA
	Gray	SNAP2152GYSCTRA	SNAP2162GYSCTRA
	Ivory	SNAP2152ISCTRA	SNAP2162ISCTRA
	Light Almond	SNAP2152LASCTRA	SNAP2162LASCTRA
	Red	SNAP2152RSCTRA	SNAP2162RSCTRA
	White	SNAP2152WSCTRA	SNAP2162WSCTRA
Isolated ground△, Spec. grade, TR.	Orange	SNAP2152IGTRA	SNAP2162IGTRA
Spec. grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	SNAP2152BKL	SNAP2162BKL
	Blue	SNAP2152BLL	SNAP2162BLL
	Brown	SNAP2152L	SNAP2162L
	Gray	SNAP2152GYL	SNAP2162GYL
	Ivory	SNAP2152IL	SNAP2162IL
	Light Almond	SNAP2152LAL	SNAP2162LAL
	Red	SNAP2152RL	SNAP2162RL
	White	SNAP2152WL	SNAP2162WL
Isolated ground△, Spec. grade, with LED.	Orange	SNAP2152IGL	SNAP2162IGL
Specification grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	SNAP2152BKLTRA	SNAP2162BKLTRA
	Blue	SNAP2152BLLTRA	SNAP2162BLLTRA
	Brown	SNAP2152LTRA	SNAP2162LTRA
	Gray	SNAP2152GYLTRA	SNAP2162GYLTRA
	Ivory	SNAP2152ILTRA	SNAP2162ILTRA
	Light Almond	SNAP2152LALTRA	SNAP2162LALTRA
	Red	SNAP2152RLTRA	SNAP2162RLTRA
	White	SNAP2152WLTRA	SNAP2162WLTRA
Isolated ground△, Spec. grade, TR with LED.	Orange	SNAP2152IGLTRA	SNAP2162IGLTRA

Note: △See section N additional information on isolated ground devices.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See pages A-47 and A-48 for accessories.
See section O for wallplates.

SNAP2162A

SNAP2162ITRA

SNAP2162GYL

SNAP2162RLTRA

SNAP*Connect*® 250V Extra Heavy Duty Standard Single Receptacles

Description	Color	15A 250V	20A 250V	
Spec. grade, single modular receptacle Tamper-Resistant, smooth nylon face. Requires pigtailed connector on page A-13.	Black	SNAP5661BKTR	SNAP5461BKTR	
	Brown	SNAP5661BTR	SNAP5461BTR	
	Gray	SNAP5661GYTR	SNAP5461GYTR	
	Ivory	SNAP5661ITR	SNAP5461ITR	
	Light Almond	SNAP5661LATR	SNAP5461LATR	
	White	SNAP5661WTR	SNAP5461WTR	

SNAP5661LATR

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Meets UL
Standard 943
Class A GFCI

GFRST83SNAPR

SNAP*Connect*® GFCI LED Hospital Grade ●

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Almond	GFRST82SNAPAL	GFRST83SNAPAL
	Black	GFRST82SNAPBK	GFRST83SNAPBK
	Brown	GFRST82SNAP	GFRST83SNAP
	Gray	GFRST82SNAPGY	GFRST83SNAPGY
	Ivory	GFRST82SNAPI	GFRST83SNAPI
	Light Almond	GFRST82SNAPLA	GFRST83SNAPLA
	Red	GFRST82SNAPR	GFRST83SNAPR
	White	GFRST82SNAPW	GFRST83SNAPW

GFTWRST83SNAPI

SNAP*Connect*® GFCI LED Hospital Grade ●
Tamper and Weather Resistant

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Almond	GFTWRST82SNAPAL	GFTWRST83SNAPAL
	Black	GFTWRST82SNAPBK	GFTWRST83SNAPBK
	Brown	GFTWRST82SNAP	GFTWRST83SNAP
	Gray	GFTWRST82SNAPGY	GFTWRST83SNAPGY
	Ivory	GFTWRST82SNAPI	GFTWRST83SNAPI
	Light Almond	GFTWRST82SNAPLA	GFTWRST83SNAPLA
	Red	GFTWRST82SNAPR	GFTWRST83SNAPR
	White	GFTWRST82SNAPW	GFTWRST83SNAPW

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability.

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP8300USBW

SNAP*Connect*® USB Charger
Hospital Grade ● Duplex Receptacles

Description	Color	Catalog Number	
Hospital Grade SNAP*Connect* USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, two USB type 2.0 ports 3 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC.	Black	SNAP8200USBBK	SNAP8300USBBK
	Brown	SNAP8200USB	SNAP8300USB
	Gray	SNAP8200USBGY	SNAP8300USBGY
	Ivory	SNAP8200USBI	SNAP8300USBI
	Light Almond	SNAP8200USBLA	SNAP8300USBLA
	Red	SNAP8200USBR	SNAP8300USBR
	White	SNAP8200USBW	SNAP8300USBW

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP8262S

SNAP*Connect*® Surge Protection
Hospital Grade ● Tamper-Resistant
Receptacle with Power Indicating LED

Description	Color	Catalog Number	
Hospital Grade SNAP*Connect* Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue	SNAP8262S	SNAP8362S
	Gray	SNAP8262GYS	SNAP8362GYS
	Ivory	SNAP8262IS	SNAP8362IS
	Light Almond	SNAP8262LAS	SNAP8362LAS
	Red	SNAP8262RS	SNAP8362RS
	White	SNAP8262WS	SNAP8362WS

SNAP1RA

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	SNAP1RA	SNAP1RNA
	Stranded	SNAP2RA	SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	SNAP1RAM2	SNAP1RNAM2
	Stranded	SNAP2RAM2	SNAP2RNAM2

Dimensions in Inches (mm)

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.

15 and 20 Ampere, 125 Volts

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Meets UL
Standard 943
Class A GFCI

F *UL* S
Fed.Spec.

SNAP*Connect*® GFCI LED

Description	Color	Catalog Number	
SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Almond	GFRST15SNAPAL	GFRST20SNAPAL
	Black	GFRST15SNAPBK	GFRST20SNAPBK
	Brown	GFRST15SNAP	GFRST20SNAP
	Gray	GFRST15SNAPGY	GFRST20SNAPGY
	Ivory	GFRST15SNAPI	GFRST20SNAPI
	Light Almond	GFRST15SNAPLA	GFRST20SNAPLA
	Red	GFRST15SNAPR	GFRST20SNAPR
	White	GFRST15SNAPW	GFRST20SNAPW

1.75" (44.5)
3.27" (83.1)
2.75" (69.8)
1.47" (37.4)

GFRST15SNAPGY

SNAP*Connect*® GFCI LED, Tamper and Weather Resistant

Description	Color	Catalog Number	
SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Almond	GFTWRST15SNAPAL	GFTWRST20SNAPAL
	Black	GFTWRST15SNAPBK	GFTWRST20SNAPBK
	Brown	GFTWRST15SNAP	GFTWRST20SNAP
	Gray	GFTWRST15SNAPGY	GFTWRST20SNAPGY
	Ivory	GFTWRST15SNAPI	GFTWRST20SNAPI
	Light Almond	GFTWRST15SNAPLA	GFTWRST20SNAPLA
	Red	GFTWRST15SNAPR	GFTWRST20SNAPR
	White	GFTWRST15SNAPW	GFTWRST20SNAPW

TR
WR

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability.

1.75" (44.5)
3.27" (83.1)
2.75" (69.8)
1.47" (37.4)

GFTWRST20SNAPI

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

UL

SNAP*Connect*® USB Charger, Duplex Receptacles

Description	Color	Catalog Number	
SNAP*Connect* USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, two USB type 2.0 ports 3 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC.	Black	SNAP15USBBK	SNAP20USBBK
	Brown	SNAP15USB	SNAP20USB
	Gray	SNAP15USBGY	SNAP20USBGY
	Ivory	SNAP15USBI	SNAP20USBI
	Light Almond	SNAP15USBLA	SNAP20USBLA
	White	SNAP15USBW	SNAP20USBW

TR

1.75" (44.5)
3.28" (83.3)
2.62" (66.5)
1.54" (39.1)

SNAP15USBW

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

UL CSA

SNAP*Connect*® Surge Protection, Tamper-Resistant Receptacle with Power Indicating LED

Description	Color	Catalog Number	
SNAP*Connect* Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue	SNAP5262S	SNAP5362S
	Gray	SNAP5262GYS	SNAP5362GYS
	Ivory	SNAP5262IS	SNAP5362IS
	Light Almond	SNAP5262LAS	SNAP5362LAS
	White	SNAP5262WS	SNAP5362WS

PWR
TR

1.75" (44.5)
3.28" (83.3)
2.62" (66.5)
1.33" (33.8)

SNAP5262S

SNAP*Connect*® Tester

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles.	SNAPCTG

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.

3.95" (100.3)
1.86" (47.2)
1.44" (36.6)
1.26" (32.0)

SNAPCTG

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

Power when you need it...
Energy savings when
you don't

⏻ Permanent power symbol remains clearly visible after installation

⏻ Control both outlets per device for 100% controlled applications or just one outlet for 50% controlled applications

⏻ Ideal for commercial buildings, retail, schools, hotel rooms

⏻ Part of the Hubbell Load:Logic® Plug Control system

SNAP*Connect*® Permanently Marked Receptacles

Duplex	Color	One Controlled Face Split Circuit Hot Tab		Two Controlled Faces	
		15 Amp	20 Amp	15 Amp	20 Amp
SNAP*Connect*® standard duplex, permanently marked for use with automatic plugload controls.	Black	**SNAP5262C1BK**	**SNAP5362C1BK**	**SNAP5262C2BK**	**SNAP5362C2BK**
	Blue	**SNAP5262C1BL**	**SNAP5362C1BL**	**SNAP5262C2BL**	**SNAP5362C2BL**
	Brown	**SNAP5262C1**	**SNAP5362C1**	**SNAP5262C2**	**SNAP5362C2**
	Gray	**SNAP5262C1GY**	**SNAP5362C1GY**	**SNAP5262C2GY**	**SNAP5362C2GY**
	Green	**SNAP5262C1GN**	**SNAP5362C1GN**	**SNAP5262C2GN**	**SNAP5362C2GN**
	Ivory	**SNAP5262C1I**	**SNAP5362C1I**	**SNAP5262C2I**	**SNAP5362C2I**
	Lt. Almond	**SNAP5262C1LA**	**SNAP5362C1LA**	**SNAP5262C2LA**	**SNAP5362C2LA**
	Red	**SNAP5262C1R**	**SNAP5362C1R**	**SNAP5262C2R**	**SNAP5362C2R**
	White	**SNAP5262C1W**	**SNAP5362C1W**	**SNAP5262C2W**	**SNAP5362C2W**
SNAP*Connect*® Tamper-Resistant, standard duplex, permanently marked for use with automatic plugload controls.	Black	**SNAP5262C1BKTRA**	**SNAP5362C1BKTRA**	**SNAP5262C2BKTRA**	**SNAP5362C2BKTRA**
	Brown	**SNAP5262C1TRA**	**SNAP5362C1TRA**	**SNAP5262C2TRA**	**SNAP5362C2TRA**
	Gray	**SNAP5262C1GYTRA**	**SNAP5362C1GYTRA**	**SNAP5262C2GYTRA**	**SNAP5362C2GYTRA**
	Green	**SNAP5262C1GNTRA**	**SNAP5362C1GNTRA**	**SNAP5262C2GNTRA**	**SNAP5362C2GNTRA**
	Ivory	**SNAP5262C1ITRA**	**SNAP5362C1ITRA**	**SNAP5262C2ITRA**	**SNAP5362C2ITRA**
	Lt. Almond	**SNAP5262C1LATRA**	**SNAP5362C1LATRA**	**SNAP5262C2LATRA**	**SNAP5362C2LATRA**
	White	**SNAP5262C1WTRA**	**SNAP5362C1WTRA**	**SNAP5262C2WTRA**	**SNAP5362C2WTRA**

Style Line® Decorator

	Color	15 Amp	20 Amp	15 Amp	20 Amp
SNAP*Connect*® decorator duplex, permanently marked for use with automatic plugload controls.	Black	**SNAP2152C1BK**	**SNAP2162C1BK**	**SNAP2152C2BK**	**SNAP2162C2BK**
	Blue	**SNAP2152C1BL**	**SNAP2162C1BL**	**SNAP2152C2BL**	**SNAP2162C2BL**
	Brown	**SNAP2152C1**	**SNAP2162C1**	**SNAP2152C2**	**SNAP2162C2**
	Gray	**SNAP2152C1GY**	**SNAP2162C1GY**	**SNAP2152C2GY**	**SNAP2162C2GY**
	Green	**SNAP2152C1GN**	**SNAP2162C1GN**	**SNAP2152C2GN**	**SNAP2162C2GN**
	Ivory	**SNAP2152C1I**	**SNAP2162C1I**	**SNAP2152C2I**	**SNAP2162C2I**
	Lt. Almond	**SNAP2152C1LA**	**SNAP2162C1LA**	**SNAP2152C2LA**	**SNAP2162C2LA**
	Red	**SNAP2152C1R**	**SNAP2162C1R**	**SNAP2152C2R**	**SNAP2162C2R**
	White	**SNAP2152C1W**	**SNAP2162C1W**	**SNAP2152C2W**	**SNAP2162C2W**
SNAP*Connect*® Tamper-Resistant, decorator duplex, permanently marked for use with automatic plugload controls.	Black	**SNAP2152C1BKTRA**	**SNAP2162C1BKTRA**	**SNAP2152C2BKTRA**	**SNAP2162C2BKTRA**
	Brown	**SNAP2152C1TRA**	**SNAP2162C1TRA**	**SNAP2152C2TRA**	**SNAP2162C2TRA**
	Gray	**SNAP2152C1GYTRA**	**SNAP2162C1GYTRA**	**SNAP2152C2GYTRA**	**SNAP2162C2GYTRA**
	Green	**SNAP2152C1GNTRA**	**SNAP2162C1GNTRA**	**SNAP2152C2GNTRA**	**SNAP2162C2GNTRA**
	Ivory	**SNAP2152C1ITRA**	**SNAP2162C1ITRA**	**SNAP2152C2ITRA**	**SNAP2162C2ITRA**
	Lt. Almond	**SNAP2152C1LATRA**	**SNAP2162C1LATRA**	**SNAP2152C2LATRA**	**SNAP2162C2LATRA**
	White	**SNAP2152C1WTRA**	**SNAP2162C1WTRA**	**SNAP2152C2WTRA**	**SNAP2162C2WTRA**

SNAP5362C1W

SNAP2162C1ITRA

1.64" (41.7)
3.28" (83.3)
2.62" (66.5)
.86" (21.9)

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Solid Wire	Stranded Wire
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2; Polycarbonate housing material.	**SNAP1RA**	**SNAP2RA**

SNAP1RA

Permanent Controlled Receptacle Label

Description	Catalog Number
For use in retrofit applications where indication of a controlled receptacle is required. This label is UL approved for marking and labeling. 60 labels of each per pack.	**CL60**

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

Industrial Grade, Permanently Marked Tamper-Resistant Receptacles

Duplex	Color	One Controlled Face Split Circuit Hot Tab		Two Controlled Faces	
		15 Amp	20 Amp	15 Amp	20 Amp
Smooth nylon face, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	HBL5262C1BLKTR	HBL5362C1BLKTR	HBL5262C2BLKTR	HBL5362C2BLKTR
	Blue	HBL5262C1BLTR	HBL5362C1BLTR	HBL5262C2BLTR	HBL5362C2BLTR
	Brown	HBL5262C1TR	HBL5362C1TR	HBL5262C2TR	HBL5362C2TR
	Gray	HBL5262C1GRYTR	HBL5362C1GRYTR	HBL5262C2GRYTR	HBL5362C2GRYTR
	Ivory	HBL5262C1ITR	HBL5362C1ITR	HBL5262C2ITR	HBL5362C2ITR
	Lt. Almond	HBL5262C1LATR	HBL5362C1LATR	HBL5262C2LATR	HBL5362C2LATR
	Red	HBL5262C1RTR	HBL5362C1RTR	HBL5262C2RTR	HBL5362C2RTR
	White	HBL5262C1WHITR	HBL5362C1WHITR	HBL5262C2WHITR	HBL5362C2WHITR

HBL5362C2BLKTR

Permanently Marked Receptacles

Duplex	Color	One Controlled Face Split Circuit Hot Tab		Two Controlled Faces	
		15 Amp	20 Amp	15 Amp	20 Amp
Smooth nylon face, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	BR15C1BLK	BR20C1BLK	BR15C2BLK	BR20C2BLK
	Blue	BR15C1BL	BR20C1BL	BR15C2BL	BR20C2BL
	Brown	BR15C1	BR20C1	BR15C2	BR20C2
	Gray	BR15C1GRY	BR20C1GRY	BR15C2GRY	BR20C2GRY
	Green	BR15C1GN	BR20C1GN	BR15C2GN	BR20C2GN
	Ivory	BR15C1I	BR20C1I	BR15C2I	BR20C2I
	Lt. Almond	BR15C1LA	BR20C1LA	BR15C2LA	BR20C2LA
	Red	BR15C1R	BR20C1R	BR15C2R	BR20C2R
	White	BR15C1WHI	BR20C1WHI	BR15C2WHI	BR20C2WHI
Smooth nylon face, Tamper-Resistant, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	BR15C1BLKTR	BR20C1BLKTR	BR15C2BLKTR	BR20C2BLKTR
	Blue	BR15C1BLTR	BR20C1BLTR	BR15C2BLTR	BR20C2BLTR
	Brown	BR15C1TR	BR20C1TR	BR15C2TR	BR20C2TR
	Gray	BR15C1GRYTR	BR20C1GRYTR	BR15C2GRYTR	BR20C2GRYTR
	Green	BR15C1GNTR	BR20C1GNTR	BR15C2GNTR	BR20C2GNTR
	Ivory	BR15C1ITR	BR20C1ITR	BR15C2ITR	BR20C2ITR
	Lt. Almond	BR15C1LATR	BR20C1LATR	BR15C2LATR	BR20C2LATR
	Red	BR15C1RTR	BR20C1RTR	BR15C2RTR	BR20C2RTR
	White	BR15C1WHITR	BR20C1WHITR	BR15C2WHITR	BR20C2WHITR

BR15C1LA

BR20C2GNTR

Style Line® Decorator

	Color	15 Amp	20 Amp	15 Amp	20 Amp
Smooth nylon face, decorator duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	DR15C1BLK	DR20C1BLK	DR15C2BLK	DR20C2BLK
	Blue	DR15C1BL	DR20C1BL	DR15C2BL	DR20C2BL
	Brown	DR15C1	DR20C1	DR15C2	DR20C2
	Gray	DR15C1GRY	DR20C1GRY	DR15C2GRY	DR20C2GRY
	Green	DR15C1GN	DR20C1GN	DR15C2GN	DR20C2GN
	Ivory	DR15C1I	DR20C1I	DR15C2I	DR20C2I
	Lt. Almond	DR15C1LA	DR20C1LA	DR15C2LA	DR20C2LA
	Red	DR15C1R	DR20C1R	DR15C2R	DR20C2R
	White	DR15C1WHI	DR20C1WHI	DR15C2WHI	DR20C2WHI
Smooth nylon face, Tamper-Resistant, decorator duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	DR15C1BLKTR	DR20C1BLKTR	DR15C2BLKTR	DR20C2BLKTR
	Blue	DR15C1BLTR	DR20C1BLTR	DR15C2BLTR	DR20C2BLTR
	Brown	DR15C1TR	DR20C1TR	DR15C2TR	DR20C2TR
	Gray	DR15C1GRYTR	DR20C1GRYTR	DR15C2GRYTR	DR20C2GRYTR
	Green	DR15C1GNTR	DR20C1GNTR	DR15C2GNTR	DR20C2GNTR
	Ivory	DR15C1ITR	DR20C1ITR	DR15C2ITR	DR20C2ITR
	Lt. Almond	DR15C1LATR	DR20C1LATR	DR15C2LATR	DR20C2LATR
	Red	DR15C1RTR	DR20C1RTR	DR15C2RTR	DR20C2RTR
	White	DR15C1WHITR	DR20C1WHITR	DR15C2WHITR	DR20C2WHITR

DR15C1GRY

DR20C2ITR

Permanent Controlled Receptacle Label

Description	Catalog Number
For use in retrofit applications where indication of a controlled receptacle is required. This label is UL approved for marking and labeling. 60 labels of each per pack.	CL60

Dimensions in Inches (mm)

Features and Benefits

Switched Receptacles for Automatic Receptacle Control

The Load Control Switched Duplex Receptacle is the latest addition to Hubbell Wiring Device-Kellems' comprehensive offering for automatic receptacle control requirements. Featuring Hubbell's exclusive and patented tamper-resistant mechanism as standard, the unit is capable of controlling other receptacles downstream in the branch circuit.

Hubbell offers this innovative device in wired and wireless options, which are both fully compatible with existing systems. This allows for easy additions and changes to meet current energy codes and standards in current facilities.

Common Features

- Half Controlled or Fully Controlled 15A or 20A Options
- Hubbell's Exclusive Tamper-Resistant Mechanism
- Downstream Branch Circuit Control
- Brass Strap
- Permanent NEC 406.3 (E) Markings
- UL498B SA Listed Receptacles with Integral Switching Comply with Supplement SA
- Fed Spec W596G
- Hospital Grade Series Available

HBL5262LC2I

HBL5362RFC1W

Wired Switched Receptacles

- The wired series is designed to be automatically controlled by a low voltage signal from either occupancy sensors, or any other type of control device capable of performing this task, such as a time-of-day control device

Wireless Switched Receptacles

- The Clear Connect™ enabled wireless series is a wireless receiver that is controlled by the corresponding occupancy sensor

HBL5362LC2LA

Wired Switched Receptacles for Automatic Receptacle Control

Description	Color	15A		20A	
		Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Auto ON/Auto OFF control. Capable of controlling additional receptacles downstream.	Black	HBL5262LC1BK	HBL5262LC2BK	HBL5362LC1BK	HBL5362LC2BK
	Brown	HBL5262LC1	HBL5262LC2	HBL5362LC1	HBL5362LC2
	Gray	HBL5262LC1GY	HBL5262LC2GY	HBL5362LC1GY	HBL5362LC2GY
	Green	HBL5262LC1GN	HBL5262LC2GN	HBL5362LC1GN	HBL5362LC2GN
	Ivory	HBL5262LC1I	HBL5262LC2I	HBL5362LC1I	HBL5362LC2I
	Lt. Almond	HBL5262LC1LA	HBL5262LC2LA	HBL5362LC1LA	HBL5362LC2LA
	White	HBL5262LC1W	HBL5262LC2W	HBL5362LC1W	HBL5362LC2W

Note: See Section E, page E-31 for technical information. Special order for hospital grade devices.

Wireless Switched Receptacles for Automatic Receptacle Control

Description	Color	15A		20A	
		Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Wireless receiver Auto ON/Auto OFF. Capable of controlling additional receptacles downstream.	Black	HBL5262RFC1BK	HBL5262RFC2BK	HBL5362RFC1BK	HBL5362RFC2BK
	Brown	HBL5262RFC1	HBL5262RFC2	HBL5362RFC1	HBL5362RFC2
	Gray	HBL5262RFC1GY	HBL5262RFC2GY	HBL5362RFC1GY	HBL5362RFC2GY
	Green	HBL5262RFC1GN	HBL5262RFC2GN	HBL5362RFC1GN	HBL5362RFC2GN
	Ivory	HBL5262RFC1I	HBL5262RFC2I	HBL5362RFC1I	HBL5362RFC2I
	Lt. Almond	HBL5262RFC1LA	HBL5262RFC2LA	HBL5362RFC1LA	HBL5362RFC2LA
	White	HBL5262RFC1W	HBL5262RFC2W	HBL5362RFC1W	HBL5362RFC2W

HBL5362RFC1GY

Note: See Section E, page E-31 for technical information. Special order for hospital grade devices.

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.steveneng.com

New Codes and Standards mandates that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules.

This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx

Wired

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.

Wireless

Wireless communication takes complexity out of retrofit and difficult installations by eliminating low voltage wires running between lighting and receptacle control units. This gives installers flexibility to quickly deploy, add additional devices, and configure and re-configure the system as needed. Hubbell's WL series controls utilize Clear Connect® communication and are compatible with other Clear Connect® devices, such as Hubbell's wireless occupancy sensors.

Codes and Standards

ASHRAE 90.1

ASHRAE 90.1 is the leading energy building efficiency standard for commercial buildings in North America. Section 8.4.2, ASHRAE 90.1- 2010 instituted the requirement that in certain spaces at least 50% of all receptacles are to be controlled by either time of day control device, an occupancy sensor or by an automated signal from another control or alarm system.

California Energy Commission Title 24

Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2013 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings.

NEC 2017

Article 406.3(E) of the NEC® 2017 edition selected the standby (⏻) symbol as the marking for a receptacle connected to an automatic control system.

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

15 and 20 Ampere, 125 Volts

F UL S · UL · CSA
Fed.Spec.

	G	W

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Hubbell-PRO Heavy Duty
Hospital Grade ● Receptacles

Duplex	Color	Catalog Number	
Hospital grade,	Black	**8200BK**	**8300BK**
smooth nylon face,	Brown	**8200**	**8300**
back and side wired.	Gray	**8200GY**	**8300GY**
Assembled in USA.	Ivory	**8200IV**	**8300IV**
	Light Almond	**8200LA**	**8300LA**
	Red	**8200RED**	**8300RED**
	White	**8200WHI**	**8300WHI**
Hospital grade, Tamper-Resistant,	Black	**8200BKTRA**	**8300BKTRA**
smooth nylon face,	Brown	**8200TRA**	**8300TRA**
back and side wired.	Gray	**8200GYTRA**	**8300GYTRA**
Assembled in USA.	Ivory	**8200IVTRA**	**8300IVTRA**
	Light Almond	**8200LATRA**	**8300LATRA**
	Red	**8200REDTRA**	**8300REDTRA**
	White	**8200WTRA**	**8300WTRA**
Hospital grade,	Black	**8200BKL**	**8300BKL**
with Power Indicating LED,	Brown	**8200L**	**8300L**
smooth nylon face,	Gray	**8200GYL**	**8300GYL**
back and side wired.	Ivory	**8200IVL**	**8300IVL**
Assembled in USA.	Light Almond	**8200LAL**	**8300LALM**
	Red	**8200REDL**	**8300REDL**
	White	**8200WL**	**8300WL**
Hospital grade, Tamper-Resistant,	Black	**8200BKLTRA**	**8300BKLTRA**
with Power Indicating LED,	Brown	**8200LTRA**	**8300LTRA**
smooth nylon face,	Gray	**8200GYLTRA**	**8300GYLTRA**
back and side wired.	Ivory	**8200IVLTRA**	**8300IVLTRA**
Assembled in USA.	Light Almond	**8200LALTRA**	**8300LALTRA**
	Red	**8200REDLTRA**	**8300REDLTRA**
	White	**8200WLTRA**	**8300WLTRA**

Style Line® Decorator	Color	Catalog Number	
Hospital grade,	Black	**2172BK**	**2182BK**
Style Line® decorator,	Brown	**2172**	**2182**
flush, nylon face,	Gray	**2172GY**	**2182GY**
back and side wired.	Ivory	**2172IV**	**2182IV**
Assembled in USA.	Light Almond	**2172LA**	**2182LA**
	Red	**2172RED**	**2182RED**
	White	**2172W**	**2182W**
Hospital grade, Tamper-Resistant,	Black	**2172BKTRA**	**2182BKTRA**
Style Line® decorator,	Brown	**2172TRA**	**2182TRA**
flush, nylon face,	Gray	**2172GYTRA**	**2182GYTRA**
back and side wired.	Ivory	**2172IVTRA**	**2182IVTRA**
Assembled in USA.	Light Almond	**2172LATRA**	**2182LATRA**
	Red	**2172REDTRA**	**2182REDTRA**
	White	**2172WTRA**	**2182WTRA**
Hospital grade,	Black	**2172BKL**	**2182BKL**
with Power Indicating LED,	Brown	**2172L**	**2182L**
Style Line® decorator,	Gray	**2172GYL**	**2182GYL**
flush, nylon face,	Ivory	**2172IVL**	**2182IVL**
back and side wired.	Light Almond	**2172LAL**	**2182LAL**
Assembled in USA.	Red	**2172REDL**	**2182REDL**
	White	**2172WL**	**2182WL**
Hospital grade, Tamper-Resistant,	Black	**2172BKLTRA**	**2182BKLTRA**
with Power Indicating LED,	Brown	**2172LTRA**	**2182LTRA**
Style Line® decorator,	Gray	**2172GYLTRA**	**2182GYLTRA**
flush, nylon face,	Ivory	**2172IVLTRA**	**2182IVLTRA**
back and side wired.	Light Almond	**2172LALTRA**	**2182LALTRA**
Assembled in USA.	Red	**2172REDLTRA**	**2182REDLTRA**
	White	**2172WLTRA**	**2182WLTRA**

Note: See pages A-47 and A-48 for accessories.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See section O for wallplates.

Device images (left column)

1.57" (39.9)
3.28" (83.3) · 2.73" (69.3) · 1.15" (29.1)
8200LA

1.57" (39.9)
3.28" (83.3) · 2.73" (69.3) · 1.15" (29.1)
8200TRA

1.57" (39.9)
3.28" (83.3) · 2.73" (69.3) · 1.15" (29.1)
8200REDLTRA

1.57" (39.9)
3.28" (83.3) · 2.73" (69.3) · 1.15" (29.1)
2172LATRA

1.57" (39.9)
3.28" (83.3) · 2.73" (69.3) · 1.15" (29.1)
2182IVLTRA

Dimensions in Inches (mm)

Ⓕ ⓊⓁ Ⓢ ⓊⓁ ⒸⓈⒶ
Fed.Spec.

15 and 20 Ampere, 125 and 250 Volts

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Hubbell-PRO Heavy Duty
Specification Grade Receptacles

Duplex

	Color	Catalog Number	
Smooth nylon face, duplex, back and side wired.	Almond	5252AAL	5352AAL
	Black	5252ABLK	5352ABLK
	Brown	5252AB	5352AB
	Gray	5252AG	5352AG
	Ivory	5252AI	5352AI
	Light Almond	5252ALA	5352ALA
	Office White	5252AOW	5352AOW
	Red	5252AR	5352AR
	White	5252AW	5352AW
Isolated ground△, smooth face, duplex, back and side wired.	Almond	IG5252AL	IG5352AL
	Gray	IG5252GY	IG5352GY
	Ivory	IG5252I	IG5352I
	Light Almond	IG5252LA	IG5352LA
	Orange	IG5252	IG5352
	White	IG5252W	IG5352W
Isolated ground△, Tamper-Resistant, smooth face, duplex, back and side wired.	Ivory	IG5252ITR	IG5352ITR
	Orange	IG5252TR	IG5352TR
	White	IG5252WTR	IG5352WTR
Finder groove nylon face, duplex, back and side wired.	Almond	5262AL	5362AL
	Black	5262BLK	5362BLK
	Blue	–	5362BL
	Brown	5262B	5362B
	Gray	5262G	5362G
	Ivory	5262I	5362I
	Light Almond	5262LA	5362LA
	Office White	5262OW	5362OW
	Red	5262R	5362R
	White	5262W	5362W
Weather Resistant, finder groove nylon face, duplex, back and side wired.	Black	5262BKWR	5362BKWR
	Brown	5262WR	5362WR
	Gray	5262GYWR	5362GYWR
	Ivory	5262IWR	5362IWR
	White	5262WWR	5362WWR
Isolated ground△, finder groove face, duplex, back and side wired.	Black	CR5252IGBK	CR5352IGBK
	Blue	–	CR5352IGBL
	Gray	CR5252IGGY	CR5352IGGY
	Ivory	CR5252IGI	CR5352IGI
	Orange	CR5252IG	CR5352IG
	Office White	CR5252IGOW	CR5352IGOW
	White	CR5252IGW	CR5352IGW

🔶 TR

❄ WR

Note: △See section N for additional information on isolated ground devices.
See page A-47 for accessories and section O for wallplates.
See page Tech-10 for Tamper and Weather Resistant descriptions.
Horsepower ratings listed above are AC only.

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

Hubbell-PRO Heavy Duty
Specification Grade Receptacles

Duplex

	Color	Catalog Number	
Smooth nylon face, duplex, back and side wired.	Almond	5662AL	5462AL
	Black	5662BK	5462BK
	Blue	5662BL	5462BL
	Brown	5662B	5462B
	Gray	5662GY	5462GY
	Green	5662GN	5462GN
	Ivory	5662IV	5462IV
	Light Almond	5662LA	5462LA
	Red	5662R	5462R
	White	5662WHI	5462WHI

1.41" (35.8)
3.28" (83.3)
2.73" (69.3)
.83" (21.1)
5252AI

1.33" (33.8)
3.28" (83.3)
2.73" (69.3)
.80" (20.3)
1.05" (26.7)
IG5352

1.41" (35.8)
3.28" (83.3)
2.73" (69.3)
.83" (21.1)
5262B

1.41" (35.8)
3.28" (83.3)
2.73" (69.3)
.83" (21.1)
5362IWR

1.33" (33.8)
3.28" (83.3)
2.73" (69.3)
.80" (20.3)
1.05" (26.7)
CR5252IG

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Commercial
Specification Grade Receptacles

Duplex

CR15I

CR15TR

CRF15LA

CR15IP1

Description	Color	Catalog Number	
Smooth nylon face, duplex, side wired only.	Almond	**CR15AL**	**CR20AL**
	Black	**CR15BLK**	**CR20BLK**
	Brown	**CR15**	**CR20**
	Gray	**CR15GRY**	**CR20GRY**
	Ivory	**CR15I**	**CR20I**
	Light Almond	**CR15LA**	**CR20LA**
	Office White	**CR15OW**	**CR20OW**
	White	**CR15WHI**	**CR20WHI**
Tamper-Resistant*, smooth nylon face, duplex, side wired only.	Almond	**CR15ALTR**	**CR20ALTR**
	Black	**CR15BLKTR**	**CR20BLKTR**
	Brown	**CR15TR**	**CR20TR**
	Gray	**CR15GRYTR**	**CR20GRYTR**
	Ivory	**CR15ITR**	**CR20ITR**
	Light Almond	**CR15LATR**	**CR20LATR**
	White	**CR15WHITR**	**CR20WHITR**
Finder groove, nylon face, duplex, side wired only.	Almond	**CRF15AL**	**CRF20AL**
	Black	**–**	**CRF20BLK**
	Brown	**CRF15**	**CRF20**
	Gray	**CRF15GRY**	**CRF20GRY**
	Ivory	**CRF15I**	**CRF20I**
	Light Almond	**CRF15LA**	**CRF20LA**
	Office White	**CRF15OW**	**CRF20OW**
	White	**CRF15WHI**	**CRF20WHI**
Pre-wired receptacles, smooth nylon face, duplex, side wired only, self-grounding, 8" solid wire leads.	Black	**CR15BLKP1**	**CR20BLKP1**
	Brown	**CR15P1**	**CR20P1**
	Gray	**CR15GRYP1**	**CR20GRYP1**
	Ivory	**CR15IP1**	**CR20IP1**
	Light Almond	**CR15LAP1**	**CR20LAP1**
	White	**CR15WHIP1**	**CR20WHIP1**
Pre-wired receptacles, smooth nylon face, duplex, side wired only, self-grounding, 8" stranded wire leads.	Black	**CR15BLKP2**	**CR20BLKP2**
	Brown	**CR15P2**	**CR20P2**
	Gray	**CR15GRYP2**	**CR20GRYP2**
	Ivory	**CR15IP2**	**CR20IP2**
	Light Almond	**CR15LAP2**	**CR20LAP2**
	White	**CR15WHIP2**	**CR20WHIP2**
Pre-wired receptacles, Tamper-Resistant*, smooth nylon face, duplex, side wired only, self-grounding, 8" solid wire leads.	Black	**CR15BLKTRP1**	**CR20BLKTRP1**
	Brown	**CR15TRP1**	**CR20TRP1**
	Gray	**CR15GRYTRP1**	**CR20GRYTRP1**
	Ivory	**CR15ITRP1**	**CR20ITRP1**
	Light Almond	**CR15LATRP1**	**CR20LATRP1**
	White	**CR15WHITRP1**	**CR20WHITRP1**
Pre-wired receptacles, Tamper-Resistant*, smooth nylon face, duplex, side wired only, self-grounding, 8" stranded wire leads.	Black	**CR15BLKTRP2**	**CR20BLKTRP2**
	Brown	**CR15TRP2**	**CR20TRP2**
	Gray	**CR15GRYTRP2**	**CR20GRYTRP2**
	Ivory	**CR15ITRP2**	**CR20ITRP2**
	Light Almond	**CR15LATRP2**	**CR20LATRP2**
	White	**CR15WHITRP2**	**CR20WHITRP2**

*Note: *Tamper-resistant devices are not Fed. Spec. Listed.*
See page A-47 for accessories.
See page Tech-10 for Tamper-Resistant descriptions.
See section O for wallplates.

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Commercial
Specification Grade Receptacles

Duplex

Description	Color	Catalog Number	
Smooth nylon face, duplex, back and side wired.	Almond	**BR15AL**	**BR20AL**
	Black	**BR15BLK**	**BR20BLK**
	Blue	**BR15BL**	**BR20BL**
	Brown	**BR15**	**BR20**
	Gray	**BR15GRY**	**BR20GRY**
	Ivory	**BR15I**	**BR20I**
	Light Almond	**BR15LA**	**BR20LA**
	Office White	**BR15OW**	**BR20OW**
	Red	**BR15R**	**BR20R**
	White	**BR15WHI**	**BR20WHI**
Tamper-Resistant*, smooth nylon face, duplex, back and side wired.	Almond	**BR15ALTR**	**BR20ALTR**
	Black	**BR15BLKTR**	**BR20BLKTR**
	Blue	**BR15BLTR**	**BR20BLTR**
	Brown	**BR15TR**	**BR20TR**
	Gray	**BR15GRYTR**	**BR20GRYTR**
	Ivory	**BR15ITR**	**BR20ITR**
	Light Almond	**BR15LATR**	**BR20LATR**
	Red	**BR15RTR**	**BR20RTR**
	White	**BR15WHITR**	**BR20WHITR**
Weather Resistant, smooth nylon face, duplex, back and side wired.	Black	**BR15BLKWR**	**BR20BLKWR**
	Brown	**BR15WR**	**BR20WR**
	Gray	**BR15GRYWR**	**BR20GRYWR**
	Ivory	**BR15IWR**	**BR20IWR**
	Light Almond	**BR15LAWR**	**BR20LAWR**
	White	**BR15WHIWR**	**BR20WHIWR**
Weather and Tamper-Resistant*, smooth nylon face, duplex, back and side wired.	Black	**BR15BLKWRTR**	**BR20BLKWRTR**
	Brown	**BR15WRTR**	**BR20WRTR**
	Gray	**BR15GRYWRTR**	**BR20GRYWRTR**
	Ivory	**BR15IWRTR**	**BR20IWRTR**
	Light Almond	**BR15LAWRTR**	**BR20LAWRTR**
	White	**BR15WHIWRTR**	**BR20WHIWRTR**
Isolated ground[Δ], smooth nylon face, duplex, side wired only.	Almond	**IG15CRAL**	**IG20CRAL**
	Gray	**IG15CRGRY**	**IG20CRGRY**
	Ivory	**IG15CRI**	**IG20CRI**
	Light Almond	**IG15CRLA**	**IG20CRLA**
	Orange	**IG15CR**	**IG20CR**
	White	**IG15CRWHI**	**IG20CRWHI**
Isolated ground[Δ], Style Line® decorator*, smooth nylon face, duplex, back and side wired.	Almond	**IG15DRAL**	**IG20DRAL**
	Gray	**IG15DRGRY**	**IG20DRGRY**
	Ivory	**IG15DRI**	**IG20DRI**
	Light Almond	**IG15DRLA**	**IG20DRLA**
	Orange	**IG15DR**	**IG20DR**
	White	**–**	**IG20DRWHI**

Note: [Δ]*See section N for additional information on isolated ground devices.*
*Tamper-resistant and IG decorator devices are not Fed. Spec. Listed.
See page A-47 for accessories.
See page Tech-10 for Tamper and Weather Resistant descriptions.
See section O for wallplates.

1.32" (33.6)
3.28" (83.3)
2.73" (69.3)
.83" (21.1)
BR15I

1.32" (33.6)
3.28" (83.3)
2.73" (69.3)
.83" (21.1)
BR20TR

1.32" (33.6)
3.28" (83.3)
2.73" (69.3)
.83" (21.1)
BR15IWR

1.32" (33.6)
3.28" (83.3)
2.73" (69.3)
.83" (21.1)
BR20WRTR

1.33" (33.8)
3.28" (83.3)
2.73" (69.3)
.80" (20.3)
1.05" (26.7)
IG20CR

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Commercial Specification Grade Receptacles

Style Line® Decorator

Description	Color	Catalog Number	
Smooth nylon face, Style Line® decorator duplex, back and side wired.	Almond	DR15AL	DR20AL
	Black	DR15BLK	DR20BLK
	Brown	DR15	DR20
	Gray	DR15GRY	DR20GRY
	Ivory	DR15I	DR20I
	Light Almond	DR15LA	DR20LA
	Red	DR15R	DR20R
	White	DR15WHI	DR20WHI
Tamper-Resistant*, Style Line® decorator duplex, smooth nylon face, back and side wired.	Almond	DR15ALTR	DR20ALTR
	Black	DR15BLKTR	DR20BLKTR
	Brown	DR15TR	DR20TR
	Gray	DR15GRYTR	DR20GRYTR
	Ivory	DR15ITR	DR20ITR
	Light Almond	DR15LATR	DR20LATR
	White	DR15WHITR	DR20WHITR
Weather and Tamper-Resistant*, Style Line® decorator duplex, smooth nylon face, back and side wired.	Black	DR15BLKWRTR	DR20BLKWRTR
	Brown	DR15WRTR	DR20WRTR
	Gray	DR15GRYWRTR	DR20GRYWRTR
	Ivory	DR15IWRTR	DR20IWRTR
	Light Almond	DR15LAWRTR	DR20LAWRTR
	White	DR15WHIWRTR	DR20WHIWRTR
Pre-wired receptacles, Style Line® decorator duplex, smooth nylon face, back and side wired, self-grounding, 8" solid wire leads.	Black	DR15BLKP1	DR20BLKP1
	Brown	DR15P1	DR20P1
	Gray	DR15GRYP1	DR20GRYP1
	Ivory	DR15IP1	DR20IP1
	Light Almond	DR15LAP1	DR20LAP1
	White	DR15WHIP1	DR20WHIP1
Pre-wired receptacles, Style Line® decorator duplex, smooth nylon face, back and side wired, self-grounding, 8" stranded wire leads.	Black	DR15BLKP2	DR20BLKP2
	Brown	DR15P2	DR20P2
	Gray	DR15GRYP2	DR20GRYP2
	Ivory	DR15IP2	DR20IP2
	Light Almond	DR15LAP2	DR20LAP2
	White	DR15WHIP2	DR20WHIP2
Pre-wired receptacles, Tamper-Resistant*, Style Line® decorator duplex, smooth nylon face, back and side wired, self-grounding, 8" solid wire leads.	Black	DR15BLKTRP1	DR20BLKTRP1
	Brown	DR15TRP1	DR20TRP1
	Gray	DR15GRYTRP1	DR20GRYTRP1
	Ivory	DR15ITRP1	DR20ITRP1
	Light Almond	DR15LATRP1	DR20LATRP1
	White	DR15WHITRP1	DR20WHITRP1
Pre-wired receptacles, Tamper-Resistant*, Style Line® decorator duplex, smooth nylon face, back and side wired, self-grounding, 8" stranded wire leads.	Black	DR15BLKTRP2	DR20BLKTRP2
	Brown	DR15TRP2	DR20TRP2
	Gray	DR15GRYTRP2	DR20GRYTRP2
	Ivory	DR15ITRP2	DR20ITRP2
	Light Almond	DR15LATRP2	DR20LATRP2
	White	DR15WHITRP2	DR20WHITRP2
Nightlight receptacle, two nightlight sources for a total of 0.5 Lumens, Tamper-Resistant* shutters complies with NEC article 406.12, back and side wired	Ivory	DR15NLIV	–
	Light Almond	DR15NLLA	–
	White	DR15NLWH	–

Note: *Tamper-resistant devices are not Fed. Spec. Listed.
See page A-47 for accessories.
See page Tech-10 for Tamper and Weather Resistant descriptions.
See section O for wallplates.

Images with dimensions: DR15GRY, DR20ITR, DR20GRYWRTR, DR20WHIP2, DR15NLIV

Dimensions in Inches (mm)

USB Charger Receptacles and Outlets

Weather Resistant Receptacle Features

- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Type A&C USB ports
- Power indicating green LED light

Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade	Black	USB15AC5BKWR	USB20AC5BKWR
	Brown	USB15AC5WR	USB20AC5WR
	Gray	USB15AC5GYWR	USB20AC5GYWR
	Ivory	USB15AC5IWR	USB20AC5IWR
	Light Almond	USB15AC5LAWR	USB20AC5LAWR
	White	USB15AC5WWR	USB20AC5WWR

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

Commercial & Hospital Grade 🟢 USB Charger Tamper-Resistant Duplex Receptacles

Description	Color	Commercial		Hospital Grade	
		15A 125V	20A 125V	15A 125V	20A 125V
Two Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	USB15C5BK	USB20C5BK	USB8200C5BK	USB8300C5BK
	Brown	USB15C5	USB20C5	USB8200C5	USB8300C5
	Gray	USB15C5GY	USB20C5GY	USB8200C5GY	USB8300C5GY
	Ivory	USB15C5I	USB20C5I	USB8200C5I	USB8300C5I
	Lt. Almond	USB15C5LA	USB20C5LA	USB8200C5LA	USB8300C5LA
	Red	–	–	USB8200C5R	USB8300C5R
	White	USB15C5W	USB20C5W	USB8200C5W	USB8300C5W
One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	USB15AC5BK	USB20AC5BK	USB8200AC5BK	USB8300AC5BK
	Brown	USB15AC5	USB20AC5	USB8200AC5	USB8300AC5
	Gray	USB15AC5GY	USB20AC5GY	USB8200AC5GY	USB8300AC5GY
	Ivory	USB15AC5I	USB20AC5I	USB8200AC5I	USB8300AC5I
	Lt. Almond	USB15AC5LA	USB20AC5LA	USB8200AC5LA	USB8300AC5LA
	Red	–	–	USB8200AC5R	USB8300AC5R
	White	USB15AC5W	USB20AC5W	USB8200AC5W	USB8300AC5W
Two Type A port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	USB15A5BK	USB20A5BK	USB8200A5BK	USB8300A5BK
	Brown	USB15A5	USB20A5	USB8200A5	USB8300A5
	Gray	USB15A5GY	USB20A5GY	USB8200A5GY	USB8300A5GY
	Ivory	USB15A5I	USB20A5I	USB8200A5I	USB8300A5I
	Lt. Almond	USB15A5LA	USB20A5LA	USB8200A5LA	USB8300A5LA
	Red	–	–	USB8200A5R	USB8300A5R
	White	USB15A5W	USB20A5W	USB8200A5W	USB8300A5W

Note: See page Tech-10 for Tamper-Resistant description. See section L for Hospital grade series.

USB8300C5W

USB15AC5GY

4 Port USB Charger Outlets

Description	Color	4 Type A ports	2 Type A and 2 Type-C ports	4 Type-C ports
USB Charger Outlets, 4 USB ports, 5 Amp, 5 Volt DC, Style Line® decorator.	Black	USB4BK	USB4ACBK	USB4CBK
	Brown	USB4	USB4AC	USB4C
	Gray	USB4GY	USB4ACGY	USB4CGY
	Ivory	USB4I	USB4ACI	USB4CI
	Light Almond	USB4LA	USB4ACLA	USB4CLA
	White	USB4W	USB4ACW	USB4CW

USB4W

Switch Combo Outlets

Description	Color	Catalog Number
Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator.	Black	USB102BK
	Brown	USB102
	Gray	USB102GY
	Ivory	USB102I
	Light Almond	USB102LA
	White	USB102W

USB102W

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

4-PLEX®
Hospital Grade ● Receptacles

15A 125V	20A 125V
NEMA 5-15R	NEMA 5-20R
UL CSA	UL CSA
0.5 HP	1 HP

Description	Color	Catalog Number	
4 outlet high impact resistant	Brown	**HBL415H**	**HBL420H**
Polycarbonate construction.	Gray	–	**HBL420HGY**
Mount to 4 in. square box.	Ivory	**HBL415HI**	**HBL420HI**
	Red	**HBL415HR**	**HBL420HR**
	White	**HBL415HW**	**HBL420HW**

HBL415HI

4-PLEX® Receptacles
Over Size Robertson/Slotted Head Terminal Screws

15A 125V	20A 125V
NEMA 5-15R	NEMA 5-20R
UL CSA	UL CSA
0.5 HP	1 HP

Description	Color	Catalog Number	
Specification grade.	Black	**HBL415BK**	**HBL420BK**
	Brown	**HBL415**	**HBL420**
	Gray	**HBL415GY**	**HBL420GY**
	Ivory	**HBL415I**	**HBL420I**
	White	**HBL415W**	**HBL420W**
Isolated ground[Δ].	Orange	**IG415**	**IG420**
Surge suppression.	Blue	**HBL415S**	**HBL420S**
	Ivory	**HBL415IS**	**HBL420IS**

Note: [Δ]See section N for additional information on isolated ground devices.
Horsepower ratings are AC only.
4-PLEX Receptacles are of a non-metallic design. Product is supplied with isolated ground symbol stickers.
Apply if needed. Mounts to 4-inch square box.

HBL415I

HBL4API

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for	Blue	**HBL4APBL**
1- and 2-gang, device boxes.	Brown	**HBL4AP**
	Gray	**HBL4APGY**
	Ivory	**HBL4API**
	Orange	**HBL4APO**
	Red	**HBL4APR**
	White	**HBL4APW**
4-PLEX Portable Box, 4 in. (101.6) square	Black	**HBL4PBBK**
box with cord grip. Accepts up to .66 in. (16.8)	Brown	**HBL4PB**
diameter cord.	Ivory	**HBL4PBI**

Note: 4-PLEX Box is not UL listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.

HBL4PBI

Dimensions in Inches (mm)   *NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

Straight Blade Devices

Products at a Glance

Hospital Grade Plugs and Connectors

- Hospital Grade with green dot symbol
- Powerful offsetting cord grips clamp on individual conductors
- Transparent angled wiring entrance holes permit "straight in" conductor insertion
- Valise® devices have unique patented clamp type terminals, provide a superior electrical connection

Heavy Duty Insulgrip® Plugs and Connectors

- Beveled housing prevents snagging
- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .23 to .72 inch (5.8 to 18.3).
- Individually molded face for each blade configuration keeps debris out of plug interior
- Ribbed nylon housing is impact and chemical resistant

Watertight and Dust Tight Devices

- Multiple "U-Drive" fast lead body assembly screws
- Color coded Kellems GOTCHA® rings provide increased cord retention
- Powerful nylon cord grip prevents strain on terminals
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials
- Closure plug seals connector body when disconnected from plug

Features and Benefits

Insulgrip® 15 and 20 Ampere Plugs and Connector Bodies

Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

• The Insulgrip's cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief.

• Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time.

HBL5266C

HBL5269C

Housing Design
• Ribbed nylon housing provides a secure grip that's impact and chemical resistant
• Beveled housing prevents snagging when dragged across uneven surfaces
• Individually molded face for each blade configuration keeps debris out of plug interior

Internal Design
• Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations
• Individual wiring terminals are completely enclosed in their own separate chambers

Cord Range
• Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230"-.720" (5.8-18.3)
• VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230"-.360" (5.8-9.0). Accepts slotted and Phillips head drivers

Assembly
• Multiple drive screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver

Identification
• Catalog number is visible on the device while in use for easy identification

Visual Verification
• Transparent angled wiring entrance holes permit "straight in" conductor insertion and quick visual verification for terminations

Features and Benefits

Valise® Plugs and Connector Bodies

Hubbell Valise plugs go together in seconds but stay together securely for reliable long-term operation. Eight loadbearing, locking lugs in the impact- and crush-resistant nylon body assure a positive grip. Devices feature patented "wire bundling" terminals that are easy to wire and provide positive, reliable terminations

HBL5965VY

Housing Design
- Removable cord inserts to accommodate a wide range of cord sizes, .220"-.660" (5.6-16.8)
- Powerful cord grips prevent conductor slippage and strain on wiring terminals
- Eight specially designed load bearing locking lugs insure a positive fit as the blade holder and sides are closed

Internal Design
- Unique patented clamp-type terminals provide a superior electrical connection by "bundling" the conductor strands when clamps are tightened
- Nylon webs are provided to make wiring quick and easy during assembly
- Two captive multiple drive assembly screws

Elastogrip® High Visibility Yellow Plugs and Connectors

Hubbell straight blade devices, female connector body, Elastogrip watertight, industrial/commercial grade, 2-pole 3-wire grounding, 15A 125V, NEMA 5-15R, yellow, single pack. Tough nylon body provides superior resistance in harsh abusive environments. IP55 suitability when closure plug inserted or when installed and used properly with mating watertight plug.

HBL15W47

Watertight Plug Housing Design
- Thermoplastic elastomer housing resists weathering caused by ultraviolet rays and ozone better than rubber; also oil and chemical resistant
- Nylon compression nut keeps water and dust from getting into the body around the cord

Watertight Plug Internal Design
- Three separate transparent wiring chambers allow for visual inspection
- Multiple drive "U-Drive" fast lead body assembly screws
- Neoprene bushing keeps water and dust out
- Color coded Kellems GOTCHA® rings provide increased cord retention

Watertight Connector Housing Design
- Closure plug seals connector body when disconnected from plug
- Integral weatherproofing shroud seals connection between plug and connector

Watertight Connector Internal Design
- Pretensioned "bypass" design female contacts for abuse resistance and reliability
- Nylon compression nut keeps water and dust from getting into the body around the cord

Dust Tight Plug Housing Design
- Thermoplastic elastomer housing
- Powerful nylon cord grip prevents strain on terminals

Dust Tight Plug Internal Design
- Multiple drive "U-Drive" fast lead body assembly screws
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials

HBL8215C

1.97" (50.0)
1.53" (38.9)

HBL8215CAT

1.53" (38.9)
2.11" (53.6)
1.22" (30.9)

HBL8115V

1.88" (47.75)
1.13" (28.7)
1.25" (31.8)

HBL8219C

2.78" (70.6)
1.53" (38.9)
1.40" (35.6)

HBL8219CT

2.78" (70.6)
1.53" (38.9)
1.40" (35.6)

HBL8119V

2.63" (66.8)
1.13" (28.7)
1.25" (31.8)

HBL8666V

1.88" (47.75)
1.13" (28.7)
1.25" (31.8)

IP20 SUITABILITY

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Hospital Grade ● Plugs

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8215C**	**HBL8315C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8215CT**	**HBL8315CT**
8 position angle plug, transparent housing.	.250"-.655" (6.4-16.6)	**HBL8215CAT***	**HBL8315CAT***

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8115V**	**HBL8364V**
Insulation displacement, white nylon.	.300"-.360" (7.6-9.1)	**HBL8013V***	–

IP20 SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● Connector Bodies

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8219C**	**HBL8319C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8219CT**	**HBL8319CT**

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8119V**	–

*Note: *Not Fed. Spec. Listed.*
See page A-48 for accessories.

IP20 SUITABILITY

15A 250V
NEMA 6-15P
UL CSA
1.5 HP

20A 250V
NEMA 6-20P
UL CSA
2 HP

Hospital Grade ● Plugs

Valise®

Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300"-.660" (7.6-16.8)	**HBL8666V**	**HBL8464V**

Note: HP ratings listed above are based on 208 to 240V AC only.

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

Hospital Grade ● Connector Bodies

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	–	**HBL8469V**

Dimensions in Inches (mm)

HBL5266C

HBL5266CA

HBL1447

	IP20 SUITABILITY	**15A 125V** NEMA 5-15P UL CSA	**20A 125V** NEMA 5-20P UL CSA

Plugs

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266C**	**HBL5366C**
Blue and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266CBL**	–
Black nylon extra large cord clamp.	.360"-.720" (9.1-18.3)	**HBL5266EBK**	**HBL5366EBK**
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM66C**	**HBL53CM66C**
8-position angle plug, black and white nylon.	.325"-.655" (8.3-16.6)	**HBL5266CA**	**HBL5366CA**
8-position angle plug, transparent enclosure.	.325"-.655" (8.3-16.6)	**HBL5266CAT**	–
Anchor lock, black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5280C***	–
Anchor lock, corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM80C***	–
Finger grip, black neoprene, combination screws. CSA only.	.31"-.43" (7.9-10.9)	**HBL5921**	–
Fusible, black vinyl housing, slotted screws. CSA only.	.296"-.625" (7.5-15.9)	**HBL5299**	–

HBL14W47

Elastogrip®

Description	Cord Diameter	Catalog Number	
Yellow elastomer, dust tight. IP20 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL1447**	**HBL1433**
Yellow elastomer, watertight. IP20 and IP55 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL14W47****	**HBL14W33****
Yellow elastomer, watertight. IP65, 66, 67 SUITABILITY.	.375"-.625" (9.5-15.9)	**HBL14W47A**	**HBL14W33A**

HBL5965VY

	IP20 SUITABILITY		

Valise®

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5965VY**	**HBL5364VY**
Black nylon.	.220"-.660" (5.6-16.8)	**HBL5965VBLK**	**HBL5364VBK**
Gray nylon.	.220"-.660" (5.6-16.8)	**HBL5965VGY**	–
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	**HBL515PVO**	–
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	**HBL5966VBLK**	–
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	**HBL5966VY**	–

*Note: *UL Component Listed only. Not for general use applications.*
   **Watertight plugs IP55 suitability when installed and used properly with mating Elastogrip watertight connector bodies.
   Horsepower ratings listed are AC only.
   See page A-48 for accessories.

HBL5966VBLK

Dimensions in Inches (mm)

HBL5269C

2.78" (70.6)
1.53" (38.9)
1.41" (35.6)

HBL1547

4.00" (101.6)
1.61" (40.9)

HBL15W47

3.00" (76.2)
1.61" (40.9)

HBL5969VY

2.63" (66.8)
1.25" (31.8)
1.13" (28.7)

HBL5963VY

1.25" (31.8)
2.25" (57.2)
1.17" (29.7)

IP20 SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Connector Bodies

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5269C**	**HBL5369C**
Blue and white nylon.	.230"-.720" (5.8-18.3)	**HBL5269CBL**	–
Black nylon extra large cord clamp.	.360"-.720" (9.1-18.3)	**HBL5269EBK**	**HBL5369EBK**
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM69C**	**HBL53CM69C**

Note: See page A-48 for accessories.

Elastogrip®

Description	Cord Diameter	Catalog Number	
Yellow elastomer, dust tight. IP20 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL1547**	**HBL1533**
Yellow elastomer, watertight. IP20 and IP55 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL15W47***	**HBL15W33***
Yellow elastomer, watertight. IP65, 66, 67 SUITABILITY.	.375"-.625" (9.5-15.9)	**HBL15W47A**	**HBL15W33A**

IP20 SUITABILITY

Valise®

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5969VY**	**HBL5369VY**
Black nylon.	.220"-.660" (5.6-16.8)	**HBL5969VBLK**	**HBL5369VBK**
Gray nylon.	.220"-.660" (5.6-16.8)	**HBL5969VGY**	–
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	**HBL515CVO**	–
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	**HBL5963VBK**	–
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	**HBL5963VY**	–

Note: *Watertight connectors IP55 suitability when closure plug inserted or when installed and used properly with mating Elastogrip watertight plug.
Connector bodies are not HP rated.
See page A-48 for accessories.

For quick visual identification of circuits or configurations.

Colored Cord Clamps*

Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only.	Blue	**HBLCORDCLAMPBL**
	Green	**HBLCORDCLAMPGN**
	Orange	**HBLCORDCLAMPOR**
	Purple	**HBLCORDCLAMPP**
	Red	**HBLCORDCLAMPR**
	Yellow	**HBLCORDCLAMPY**

Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.

Dimensions in Inches (mm)

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	**HBL5278C**	**HBL5378C**
Weatherproof, gray, with lift cover and multiple drive screws.	**HBL61CM64**	–
Weatherproof, black, with lift cover and boot, multiple drive screws.	**HBL61CM64BK**	–
Stainless steel flange, phenolic body, miniature style, for molded on connectors only, multiple drive screws.	**HBL5240***	–

Note: *Specially designed to accept "molded-on" connector bodies. Catalog number HBL5240 will not accept re-wireable size connector bodies listed in this catalog or molded connectors having a "rejection obstruction" as required by Underwriters Laboratories Inc. standard #817 cord sets and power supply cords" effective 7/1/81.
See pages A-47 and A-48 for accessories.

HBL5278C

HBL61CM64

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**HBL5279C**	**HBL5379C**
Stainless steel flange, phenolic body, covered terminals, multiple drive screws.	**HBL5279**	–
Stainless steel flange, brown phenolic (mounting screws packed separately).	**HBL5256**	–
Weatherproof, gray nylon, with lift cover and boot, multiple drive screws.	–	**HBL61CM65****

Note: **Not CSA Certified.
See pages A-47 and A-48 for accessories.

HBL5279C

HBL5256

HBL61CM65

Dimensions in Inches (mm)

HBL5666C

1.97" (50.0)
1.53" (38.9)

HBL5669C

2.78" (70.6)
1.53" (38.9)
1.41" (35.8)

HBL5666CA

1.22" (30.9)
2.11" (53.6)
1.53" (38.9)

HBL5666VY

1.88" (47.8)
1.5" (38.1)
1.13" (28.7)

HBL5669VY

2.63" (66.88)
1.50" (38.1)
1.13" (28.7)

HBL5678C

2.56" (65.0)
2.19" (55.6)
.16" (4.1) Dia.
1.72" (43.7)
1.72" (43.7)

Dimensions in Inches (mm)

Plugs

15A 250V
NEMA 6-15P
UL CSA
1.5 HP

20A 250V
NEMA 6-20P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Insulgrip® Plug, black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5666C**	**HBL5466C**
Insulgrip® Plug, corrosion resistant, yellow nylon.	.230"-.720" (5.8-18.3)	**HBL56CM66C**	**HBL54CM66C**
8-Position Insulgrip® Angle Plug, black and white nylon.	.325"-.655" (8.3-16.6)	**HBL5666CA**	**HBL5466CA**
Valise® Plug, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5666VY**	**HBL5464VY**

Connector Bodies

15A 250V
NEMA 6-15R
UL CSA

20A 250V
NEMA 6-20R
UL Listed

Description	Cord Diameter	Catalog Number	
Insulgrip® Connector Body, black and white nylon, multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL5669C**	**HBL5469C**
Valise® Connector Body, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5669VY**	**HBL5469VY**

Note: See page A-48 for accessories.

Insulgrip® Flanged Inlets

15A 250V
NEMA 6-15P
UL CSA

20A 250V
NEMA 6-20P
UL CSA

Description	Catalog Number	
Nylon casing, back wired.	**HBL5678C**	**HBL5478C**

Note: Flanged inlets are not HP rated.
See page A-48 for accessories.

Flanged Receptacles

15A 250V
NEMA 6-15R
UL CSA

20A 250V
NEMA 6-20R
UL Listed

Description	Catalog Number	
Nylon casing, multiple drive screws.	**HBL5679C**	**HBL5479C**
Stainless steel flange, brown phenolic housing (mounting screws packaged separately).	**HBL5656**	–

Note: Connector bodies are not HP rated.
See pages A-47 and A-48 for accessories.

For quick visual identification of circuits or configurations.

Colored Cord Clamps*

Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only.	Blue	**HBLCORDCLAMPBL**
	Green	**HBLCORDCLAMPGN**
	Orange	**HBLCORDCLAMPOR**
	Purple	**HBLCORDCLAMPP**
	Red	**HBLCORDCLAMPR**
	Yellow	**HBLCORDCLAMPY**

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

15A, 125V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20 SUITABILITY

15A 125V NEMA 1-15R UL CSA 0.5 HP

15A 125V NEMA 1-15P UL CSA 0.5 HP

Description	Cord Diameter	Catalog Number	
Yellow nylon, non-polarized.	.218"-.385" (5.5-9.8)	–	**HBL5865VY**
Yellow nylon, polarized.	.218"-.385" (5.5-9.8)	–	**HBL5866VY**
Black nylon, polarized.	Type 17/2 "SVT" cord	–	**HBL5867VBLK**

1.68" (42.7)
1.25" (31.8)
.88" (22.4)

HBL5865VY

Valise® Connector Bodies

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.218"-.385" (5.5-9.8)	**HBL5869VY**	–

2.38" (60.5)
1.25" (31.8)
.88" (22.4)

HBL5869VY

15A, 277V AC, 2 Pole, 3 Wire Grounding, Plugs

15A 277V AC NEMA 7-15R UL CSA 2 HP

15A 277V AC NEMA 7-15P 2 HP

Description	Cord Diameter	Catalog Number	
Finger grip, black elastomer.	.31"-.43" (7.9-10.9)	–	**HBL5929***

2.63" (66.8)
3.28" (83.3)
1.33" (33.8)
1.19" (30.2)

HBL5302

Receptacles and Connector Bodies

Description	Cord Diameter	Catalog Number	
Receptacle, flush duplex, brown, back and side wired.	–	**HBL5302**	–
Connector Body, phenolic and steel body.	.296"-.625" (7.5-15.9)	**HBL5324**	–

*Note: *Not UL Listed.*
Horsepower ratings are AC only.
See pages A-47 and A-48 for accessories.

1.50" (38.1)
1.63" (41.4)

HBL5929

20A, 250V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20 SUITABILITY

20A 250V NEMA 2-20R UL Listed 2 HP

20A 250V NEMA 2-20P UL Listed 2 HP

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	–	**HBL9758VY**

1.50" (38.1)
1.88" (47.8)

HBL9758VY

Receptacle, Single

Description	Catalog Number	
Black phenolic.	**HBL5552B**	–

Note: Horsepower ratings are AC only and apply to plugs and receptacles only.
See pages A-47 and A-48 for accessories.

3.28" (83.3)
1.39" (35.3)
1.14" (29.0)

HBL5552B

Dimensions in Inches (mm)

HBL6810

HBL9977C

HBL8410

HBL8411C

HBL7250

HBL7251C

Dimensions in Inches (mm)

20A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

20A 125V/250V NEMA 10-20R UL Listed 2(1) HP

20A 125V/250V NEMA 10-20P UL Listed 2(1) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL6810**	–
Plug, Insulgrip®, nylon.	.385"-.780" (9.8-19.8)	–	**HBL9977C**

Note: Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Those in parentheses are phase to neutral (120V AC).
See pages A-47 and A-48 for accessories.

20A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

20A 125V/250V NEMA 14-20R UL CSA 2(1) HP

20A 125V/250V NEMA 14-20P UL CSA 2(1) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body, back and side wired.	–	**HBL8410**	–
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	–	**HBL8411C**

See pages A-47 and A-48 for accessories.

20A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

20A 3Ø 250V AC NEMA 15-20R UL CSA 3 HP

20A 3Ø 250V AC NEMA 15-20P UL CSA 3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body, back and side wired.	–	**HBL8420**	–
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	–	**HBL8421C**

Note: Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Horsepower ratings in parentheses are phase to neutral (120V AC).
See pages A-47 and A-48 for accessories.

20A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

20A 3ØY 120/208V AC NEMA 18-20R UL Listed 2 HP

20A 3ØY 120/208V AC NEMA 18-20P UL Listed 2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body.	–	**HBL7250**	–
Plug, nylon, angle, 4-position.	.390"-.775" (9.9-19.7)	–	**HBL7251C**

Note: Horsepower ratings are phase to phase (208 to 240V AC).
Weatherproof boots for plugs not available.
See pages A-47 and A-48 for accessories.

Receptacle IEC 320 Compatible

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320R**
For Ring Terminal connection.	**H320RRT***

*Note: *Not UL Listed.*

1.55" (39.4)
1.41" (35.8)
1.52" (38.6)
1.89" (48.0)

H320R

Connectora

IP20
SUITABILITY

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320C**

1.42" (36.1)
1.95" (49.5)
.787" min. (20) min.
1.36" (34.5)

H320C

Plug IEC 320 Compatible

IP20
SUITABILITY

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320P**

1.52" (38.6)
1.95" (49.5)
.797" (20)
1.36" (34.5)

H320P

Inlets

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320B**
20/16A 250V AC IEC straight blade with retention clamp.	**H320BL**

.22" (5.6)
1.47" (37.3)
1.19" (30.2)
1.28" (32.5)
1.64" (41.7)

H320B

1.28" (32.5)
.22" (5.6)
1.47" (37.3)
1.19" (30.2)
1.64" (41.7)

H320BL

Dimensions in Inches (mm)

UGRO20231

3.00" (76.2)
4.62" (117.3)

Acceptor®
Hazardous Location Receptacles

15A 125V	20A 125V
NEMA 5-15R	NEMA 5-20R
UL CSA	UL CSA
0.5 HP	1 HP

Description		Catalog Number
Explosion and dust ignition proof.	–	**UGRO20231**
Class I, Div. 1 & 2, Groups C, D	–	**UGRA20231***
Class II, Div. 1 & 2, Groups F, G		
Class III		
NEMA® 3, 7 B C D, 9 F G		

*Note: *UGRA version includes an adapter plate for mounting to Crouse-Hinds® EDS series and Appleton® EFD series back boxes. UL Listed for Class 1, Div. 2, Groups B, C, D.*

UGP15231

2.55" (64.8)
1.51" (38.4)
1.69" (42.9)

Acceptor®
Hazardous Location Plugs

15A 125V	20A 125V
NEMA 5-15P	NEMA 5-20P
UL CSA	UL CSA

Description	Catalog Number	
Explosion and dust ignition proof.	**UGP15231**	**UGP20231**
Class I, Div. 1 & 2, Groups B, C, D		
Class II, Div. 1 & 2, Groups E, F, G		
Class III		
NEMA® 3, 7 B C D, 9 F G		

SWB1

3.00" (76.2)
2.25" (57.2)
4.63" (117.6)

SWB Series Boxes

Hub Size	1-Gang Dead End	1-Gang Feed Thru
½ in. NPT	**SWB1**	**SWB4**
¾ in. NPT	**SWB2**	**SWB5**
Class I, Div. 1 & 2, Groups C, D		
Class II, Div. 1 & 2, Groups E, F, G		
Class III		
NEMA® 7 C D, 9 E F G		

Note: SWB series boxes will only accommodate Acceptor Series receptacles, not standard weatherproof covers.

SWB5

3.00" (76.2)
2.25" (57.2)
4.63" (117.6)

Dimensions in Inches (mm)   *NEMA® is a registered trademark of the National Electrical Manufacturers Association.*

30A, 125V,
2 Pole, 3 Wire Grounding,
Receptacles and Plugs

IP20
SUITABILITY

30A 125V
NEMA 5-30R
UL CSA
2 HP

30A 125V
NEMA 5-30P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9308**	–
Receptacle, orange, isolated ground△.	–	**IG9308**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9309***

1.79" (45.64)

2.38" (60,33) 2.12" (53,84)

2.35" (59.93)

HBL9308

30A, 125V,
2 Pole, 3 Wire Grounding,
Receptacles and Plugs

30A 125V
NEMA TT-30R
UL Listed
2 HP

30A 125
NEMA TT-30P
UL Listed
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP. Travel Trailer use only.	–	**HBLTT30R**	–
Plug, nylon, angle. Travel Trailer use only.	.625"-1.187" (15.9-30.1)	–	**HBLTT30P**

2.25" (57.15)

3.28" (83.30) 2.12" (53.8) 3.68" (93.47)

1.81" (45.97)

IG9308

30A, 250V,
2 Pole, 3 Wire Grounding,
Receptacles and Plugs

IP20
SUITABILITY

30A 250V
NEMA 6-30R
UL CSA
2 HP

30A 250V
NEMA 6-30P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9330**	–
Receptacle, orange, isolated ground△.	–	**IG9330**	–
Plug, nylon, angle, 4-position	.625"-1.187" (15.9-30.1)	–	**HBL9331***

2.75" (69.9)

1.88" (47.8)

4.33" (110.0)

HBL9331

30A, 277V AC,
2 Pole, 3 Wire Grounding,
Receptacles and Plugs

IP20
SUITABILITY

30A 277V AC
NEMA 7-30R
UL CSA
3 HP

30A 277V AC
NEMA 7-30P
UL CSA
3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9315**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9319***

2.50" (63.5)

2.13" (54.1)

5.06" (128.5)

2.0 (52.

HBL9395

Ⓤ

30A, 125/250V,
3 Pole, 3 Wire Non-Grounding,
Receptacles and Plugs

IP20
SUITABILITY

30A 125/250V
NEMA 10-30R
UL Listed
2(2) HP

30A 125/250V
NEMA 10-30P
UL Listed
2(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL9350**	–
Receptacle, surface mount aluminum housing.	–	**HBL9395**	–
Plug, Insulgrip®, nylon.	.625"-1.00" (15.9-25.4)	–	**HBL9337C**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9333**

2.50" (63.5) 2.09" (53.1)

1.69" (42.9)

HBL9350

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
△*See section N for additional information on isolated ground devices..*
**See page A-49 for accessories.*
*Not Fed. Spec. Listed.

Dimensions in Inches (mm)

30A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20
SUITABILITY

30A 125/250V NEMA 14-30R 2(2) HP

30A 125/250V NEMA 14-30P 2(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9430A**	**–**
Plug, nylon.	.625"-1.310" (15.9-33.3)	**–**	**HBL9431C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	**–**	**HBL9432C**

HBL9430A

HBL9431C

30A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20
SUITABILITY

30A 3Ø 250V AC NEMA 15-30R 3 HP

30A 3Ø 250V AC NEMA 15-30P 3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8430A**	**–**
Plug, nylon.	.625"-1.310" (15.9-33.3)	**–**	**HBL8431C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	**–**	**HBL8432C**

HBL9432C

30A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20
SUITABILITY

30A 3ØY 120/208V AC NEMA 18-30R UL Listed 3 HP

30A 3ØY 120/208V AC NEMA 18-30P UL Listed 3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8330A**	**–**
Plug, nylon.	.625"-1.310" (15.9-33.3)	**–**	**HBL8331C**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See pages A-49 and A-50 for accessories.

HBL8330A

HBL8331C

Dimensions in Inches (mm)

**50A, 125V,
2 Pole, 3 Wire Grounding,
Receptacles and Plugs**

IP20
SUITABILITY

50A 125V
NEMA 5-50R
UL CSA
2 HP

50A 125V
NEMA 5-50P
UL CSA
2 HP

2.75"
(69.9)

4.33"
(110.0)

1.88"
(47.8)

HBL9361

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9360**	**–**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	**–**	**HBL9361**

**50A, 250V,
2 Pole, 3 Wire Grounding,
Receptacles and Plugs**

IP20
SUITABILITY

50A 250V
NEMA 6-50R
UL CSA
3 HP

50A 250V
NEMA 6-50P
UL CSA
3 HP

2.50" (63.5) 2.09" (53.1)

1.69"
(42.9)

HBL7962

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9367**	**–**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	**–**	**HBL9368**

**50A, 277V AC,
2 Pole, 3 Wire Grounding,
Receptacles and Plugs**

IP20
SUITABILITY

50A 277V AC
NEMA 7-50R
UL CSA
5 HP

50A 277V AC
NEMA 7-50P
UL CSA
5 HP

2.50"
(63.5)

2.13"
(54.1)

5.06"
(128.5)

2.06"
(52.3)

Representative of surface mount receptacle

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9365**	**–**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	**–**	**HBL9379**

**50A, 125/250V,
3 Pole, 3 Wire Non-Grounding,
Receptacles, Connector Body and Plugs**

IP20
SUITABILITY

50A 125/250V
NEMA 10-50R
UL Listed
3(2) HP

50A 125/250V
NEMA 10-50P
UL Listed
3(2) HP

5.75"
(146.1)

2.88"
(73.2)

HBL7515C

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL7962**	**–**
Receptacle, surface mount aluminum housing.	–	**HBL7940**	**–**
Connector body, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	**HBL7515C**	**–**
Plug, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	**–**	**HBL7513C**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	**–**	**HBL7977**

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See pages A-49 and A-50 for accessories.*

4.13"
(104.9)

2.88"
(73.2)

HBL7513C

Dimensions in Inches (mm)

HBL9450A

2.75" (69.9)
1.81" (46.0)
1.81" (46.0)
#6-32 TAP
2.44" (61.9)
3.28" (83.3)
2.37" (60.3)

50A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

50A 125/250V NEMA 14-50R UL CSA 3(2) HP

50A 125/250V NEMA 14-50P UL CSA 3(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9450A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL9451C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL9452C**

HBL9451C

4.13" (104.9)
2.88" (73.2)

50A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

50A 3Ø 250V AC NEMA 15-50R UL CSA 7.5 HP

50A 3Ø 250V AC NEMA 15-50P UL CSA 7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8450A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8451C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8452C**

HBL9452C

3.38" (85.8)
4.5" (114.3)
2.38" (60.5)

50A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

50A 3ØY 120/208V AC NEMA 18-50R UL Listed 7.5 HP

50A 3ØY 120/208V AC NEMA 18-50P UL Listed 7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8350A**	–
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8352C**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page A-50 for accessories.

HBL8350A

2.75" (69.9)
1.81" (46.0)
1.81" (46.0)
#6-32 TAP
2.44" (61.9)
3.28" (83.3)
2.37" (60.3)

Dimensions in Inches (mm)

Straight Blade Devices

60A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

60A 125/250V NEMA 14-60R UL CSA 3(2) HP

60A 125/250V NEMA 14-60P UL CSA 3(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9460A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL9461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL9462C**

HBL9460A

60A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

60A 3Ø 250V AC NEMA 15-60R UL CSA 10 HP

60A 3Ø 250V AC NEMA 15-60P UL CSA 10 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8460A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8462C**

HBL9461C

HBL9462C

60A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

60A 3ØY 120/208V AC NEMA 18-60R UL Listed 7.5 HP

60A 3ØY 120/208V AC NEMA 18-60P UL Listed 7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL7301A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL7303C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL7302C**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page A-50 for accessories.

HBL7301A

Dimensions in Inches (mm)

Miscellaneous and Combination Receptacles
2 Pole, 3 Wire Grounding

HBL5236

HBL5235

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

Miscellaneous Receptacles

Description	Catalog Number
Receptacle, display type, brown phenolic with .060 in. brass plate and blank flush plug.	**HBL5236**
Replacement receptacle for HBL5236.	**HBL5236M2**
Replacement threaded plug for HBL5236.	**HBL5236PLUG***
Receptacle, wooden floors, brown phenolic with .060 in. brass plate, blank flush plug and box.	**HBL6236**
Receptacle, clock hanger, brown with stainless steel plate.	**HBL5235**

Special Combination Duplex Receptacles

Description			Catalog Number
15A, 125V		Brown RTP, 1 feed, 1 return, back/side wired	**HBL4792**
		Brown RTP, 2 feeds, 1 return, side wired	**HBL4794**
15A, 125V		Brown RTP, 2 feeds, 2 returns, side wired	**HBL4795**
15A, 250V		Brown nylon face, 2 circuit, back and side wired	**HBL5292**
15A, 125V		Ivory nylon face, 2 circuit, back and side wired	**HBL5292I**
20A, 250V		Brown nylon face, 2 circuit, back and side wired	**HBL5492**
20A, 125V		Ivory nylon face, 2 circuit, back and side wired	**HBL5492I**
15A, 125V		Brown RTP, 2 feeds, 1 return, common ground	**HBL7371**
10A, 250V 15A, 125V			
20A, 125V		Brown nylon, side and back wired	**HBL5392**
20A, 125V		*Note: This device will only accept 20A grounding plugs.*	

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
  *Not UL Listed or CSA certified.
  See page A-47 for accessories.

HBL4792

1.50" (38.1)
3.28" (83.3)
2.75" (69.9)
.88" (22.4)

HBL4792

HBL5292

1.50" (38.1)
3.28" (83.3)
2.75" (69.9)
.88" (22.4)

HBL5292

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Accessories

For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices

Wallplates, 1-Gang

Description	Color	Duplex Receptacles Catalog Number	Style Line® Receptacles Catalog Number	Single Receptacle Plate 1.40 in. (35.6) Dia. Catalog Number
Nylon, smooth.	Almond	NP8AL	NP26AL	NP7AL
	Black	NP8BK	NP26BK	NP7BK
	Brown	NP8	NP26	NP7
	Gray	NP8GY	NP26GY	NP7GY
	Ivory	NP8I	NP26I	NP7I
	Light Almond	NP8LA	NP26LA	NP7LA
	Office White	NP8OW	NP26OW	NP7OW
	Orange	NP8OR	–	–
	Red	NP8R	NP26R	NP7R
	White	NP8W	NP26W	NP7W
Stainless steel 302/304, .035 in. (0.9) horizontal brushed finish.		SS8	SS26	SS7
Brass .04 in. (1.0), horizontal brushed finish.		SB8	SB26	SB7
Aluminum .05 in. (1.3), horizontal brushed finish.		SA8	–	SA7

NP8

NP26I   **SS7**

HBL52CM22

Weatherproof Covers

Description	Duplex Receptacles Catalog Number	Single Receptacle Plate 1.40 in. (35.6) Dia. Catalog Number
RTP, gray, for FS/FD box mounting.	HBL5221	HBL7423WO
RTP, yellow, for FS/FD box mounting.	HBL52CM21	HBL74CM23WO
RTP, gray, for device mounting.	HBL5222	–
RTP, yellow, for device mounting.	HBL52CM22	–
Cast aluminum for FS/FD box mounting.	HBL5206WO	HBL7420
Cast aluminum for device mounting.	HBL5205WO	–

Note: All weatherproof plates are UL Listed for Wet Locations.
Those with suffix WO are listed for use with cover open, all others with cover closed.
RTP is an abbreviation for reinforced thermoplastic polyester.
See section O for additional information on cover plates.

HBL5206WO

HBL7423WO

Dimensions in Inches (mm)

Accessories
For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices

IP44
SUITABILITY

Weatherproof Covers
For Nylon Flanged Inlets and Flanged Receptacles

Description	Catalog Number
RTP, gray, for FS/FD box mounting.	**WP1**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page O-21 for additional information on weatherproof covers.

WP1

IP55*
SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® triple seal, black elastomer cover for Insulgrip® plugs (HBL5266C style), when used in a cord set, and connector bodies (HBL5269C style), when used with flanged inlets.	**HBL6017**
Same as above except yellow.	**HBL60CM17**
Seal-Tite® triple seal black elastomer cover for Insulgrip® connector bodies when used in a cord set.	**HBL6018**
Same as above except yellow.	**HBL60CM18**
Closure plug, black.	**HBL6019**
Closure plug, yellow.	**HBL60CM19**

Note: *IP55 when installed and used properly with mating components.
Boots are not UL Listed or CSA Certified.

HBL6017

HBL6018

HBL60CM19
Shown with HBL6018

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout devices for 15 and 20A straight blade plugs.	**HLDMP****
PLUGOUT® Lockout device for 20 and 30A Hubbell plugs and others.	**HLD****

Note: **Not UL Listed or CSA Certified.
See section BB for additional information on lockout devices.

3.14"
(79.8)

4.22"
(107.2)

HLDMP

Inserts

Description	Catalog Number
Replacement cord grip inserts for Valise® device, (bag of 40).	**HBLVCGBK****

Note: **Not UL Listed or CSA Certified.

4.27"
(108.5)

7.27"
(184.7)

HLD

Dimensions in Inches (mm)

Accessories

For 3 Wire 30 and 50 Ampere, 125 and 250 Volts and 277 Volts AC

Wallplates

Description	Color	Single Receptacle Plate 2.16 in. (54.9) Dia. Catalog Number
Nylon, smooth, 1-gang.	Black	**NP724BK**
Nylon, smooth, 2-gang.	Black	**NP703BK**
Aluminum, .05 in. (1.3), 1-gang, smooth horizontal brushed finish.		**SA723**
Stainless steel 302/304, .035 in. (0.9), 1-gang, smooth horizontal brushed finish.		**SS723**
Stainless steel 302/304, .035 in. (0.9), 2-gang, smooth horizontal brushed finish.		**SS703**

SS723

SS703

IP44
SUITABILITY

Weatherproof Lift Covers

Description	Catalog Number
Cast aluminum for FS/FD box mounting for 30A.	**HBL9420**
Cast aluminum for FS/FD box mounting for 50A.	**HBL9425**

HBL9420

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices.	**HLD2**

Note: See section BB for additional information on lockout devices.

6.31"
(160.3)

12.5"
(317.5)

HLD2

Dimensions in Inches (mm)

Accessories

For 4 Wire 30, 50 and 60 Ampere, 125/250 Volts, 3Ø 250 and 3ØY 120/208 Volts AC

SS701

Wallplates, 2-Gang

Description	Single Receptacle Plate 2.48 in. (63.0) Dia. Catalog Number
Brass .04 in. (1.0), brushed, smooth.	**SB701**
Stainless steel 302/304, .035 in. (0.9), smooth horizontal brushed finish.	**SS701**

HBL7777A

IP44
SUITABILITY

Weatherproof Lift Covers

Description	Catalog Number
RTP, gray, lift cover plate. Will fit FS/FD boxes having plate mounting hole 3.25 in. x 3.75 in. (82.5 x 95.2), centers. Only for use with receptacles on pages A-40 to A-43 with "A" suffix.	**HBL7777A**
Same as above except yellow.	**HBL77CM77A**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

6.31"
(160.3)

12.5"
(317.5)

HLD2

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices.	**HLD2**

Note: See section BB for additional information on lockout devices.

Dimensions in Inches (mm)

Technical Information

HBL® Extra Heavy Duty, Straight Blade
Hospital Grade Duplex Receptacles

HBL8200GY

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL8200	Receptacle	15A
Manufacturer's Identification – Hubbell HBL8200	Top	PBT*
Description – Hospital Grade, Straight Blade Duplex Receptacle	Base	RTP**
Type – 2 Pole, 3 Wire, Grounding	By-Pass Power Contacts	.037 in. (.9) Brass – Nickel Finish
Rating – 15A, 125V	Clamping Plate	.031 in. (.8) Brass – Nickel Finish
Certification: UL Listed to UL 498 File E2186, Fed. Spec. WC596,	Mounting Strap	.050 in. (1.3) Brass – Nickel Finish
Hospital Grade, NEMA® WD-6 Compliant	Line Terminal Screws	#10-32 Silicone Bronze, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285	Hex Head Grounding Screw	#10-32 (Green) Silicon Bronze, Multiple Drive
	Center Assembly Rivet	Silicon Bronze
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Stainless Steel

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material

Flammability	UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Polybutylene Terephthalate.*
*   **Reinforced Thermoplastic Polyester.*

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Technical Information

HBL® Extra Heavy Duty, Straight Blade Specification Grade Duplex Receptacles

HBL5262

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL5262	Receptacle	15A
Manufacturer's Identification – Hubbell HBL5262	Top	Nylon
Description – Heavy Duty Straight Blade Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	By-Pass Power Contacts	.037 in. (.9) Brass
Rating – 15A, 125V	Wire Clamps	.031 in. (.8) Brass
Certification: UL Listed to UL498 File E2186, Guide RTRT	Mounting Strap	.050 in. (1.3) Brass
Fed. Spec. WC596, Meets NEMA® WD-6 Compliant	Line Terminal Screws	#10-32 Brass, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285	Ground Screw	#10-32 Brass, Multiple Drive (Green)
	Center Assembly Rivet	Brass
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Steel-Zinc Plated
	Ground Tension Clips	Steel-Nickel Finish

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	Top: UL 94V-2. Base: UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Technical Information

HBL® Compact Extra Heavy Duty, Specification Grade Receptacles

HBL5252

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL5252	Receptacle	15A
Manufacturer's Identification – Hubbell HBL5252	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.032 in. (.8) Brass
Rating – 15A, 125V	Wire Clamps	.062 in. (1.8) Steel
Certification – UL Listed to UL 498 File E2186,	Mounting Strap	.050 in. (1.3) Brass
Fed. Spec. WC596, Certified to CSA 22.2, No. 42 File 285	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Center Assembly Rivet	Brass
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Steel-Zinc Plated

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Technical Information

HBL® Compact Heavy Duty Style Line®, Specification Grade and Hospital Grade Straight Blade Duplex Receptacles

HBL2152   **HBL2172**

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. HBL2152	Receptacle	15A
Manufacturer's Identification – Hubbell HBL2152 Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	Nylon
Type – 2 Pole, 3 Wire Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL File No. E2186	Mounting Strap	.050 in. (1.3) Galvanized Steel
Certified to CSA File No. 285	Ground Contact	.031 in. (.8) Brass
	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Receptacle	Part	Description
Typical Specification – Catalog No. HBL2172	Receptacle	15A
Manufacturer's Identification – Hubbell HBL2182 Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL Listed to UL498 File E2186,	Mounting Strap	.050 in. (1.3) Galvanized Steel
Fed. Spec. WC596, Certified to CSA File No. 285	Ground Contact	.031 in. (.8) Brass
	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material

Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*
    Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Technical Information

**SNAP*Connect*® Straight Blade Duplex Receptacles
Specification Grade and Hospital Grade**

SNAP8200WA   **SNAP2182A**   **SNAP5362IA**

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. SNAP8200	Receptacle	15A
Manufacturer's Identification – Hubbell SNAP8200	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	Nylon
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	Brass
Rating – 15A, 125V	Mounting Strap	Galvanized Steel; Brass (HG)
Certification – UL Listed to UL 498	Automatic Self-Grounding Clip	Stainless Steel
Fed. Spec. WC596, Certified to CSA 22.2, No. 42	Flat Head Mounting Screws	Steel-Zinc Plated/Self Tapping

Connector	Contact	Connector Body	Wire
SNAP1RA	Brass	Clear Polycarbonate	6" Solid copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).
SNAP2RA	Brass	Clear Polycarbonate	6" Stranded copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V as rated.
Current Interrupting	Receptacle certified for current interrupting at full rated current with equivalently rated NEMA® plug.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated DC current.

Mechanical	
Terminal Wire Leads Identification	Terminal wire leads identified in accordance with UL 498 (Black, White, Green).
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (without impact).

Dimensions

GREEN DOT ON HOSPITAL GRADE ONLY

2.63" (66.73)   3.28" (83.34)   20A 125V

.24" (6.10)   .86" (21.92)

1.64" (41.77)   FOR USE ONLY WITH HUBBELL SNAP & GT SERIES CONNECTORS   MADE IN CHINA

1.25" (31.8)

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Technical Information

**Hubbell-PRO Heavy Duty, Straight Blade
Hospital Grade Duplex Receptacles**

8200REDLTRA   **2182IVLTRA**

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. 8200	Receptacle	15A
Manufacturer's Identification - Hubbell-PRO 8200	Top	Nylon
Description - Straight Blade Hospital Grade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.0295 in. Brass
Rating - 15A, 125V	Clamping Plate	Plated Steel
Certification - UL Listed to UL 498, Fed. Spec. WC596	Mounting Strap	.040 in. Galvanized Steel
Hospital Grade, NEMA® WD-6 Compliant	Terminal Screws	Plated Steel
Certified to CSA	Hex Head Grounding Screw	Plated Steel
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Technical Information

USB Charger Tamper-Resistant, Straight Blade Hospital Grade and Specification Grade Duplex Receptacles

USB8300C5R   **USB15AC5W**

Specifications

USB Charger Receptacle	Part	Description
Typical Specification - Catalog No. USB8300A5 Manufacturer's Identification - Hubbell USB8300A5	Charger Receptacle	Electrical 20 Amp 125V AC USB 5.0 Amp 5V DC
Available Type USB Charger: A, A&C and C	Ports	Type A, 2.0
	LED	Green Indicator
Receptacle	Top	Nylon
Description - Hospital Grade, Straight Blade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.030 in. Cooper Alloy
Rating - 20 Amp, 125V AC, USB 3 Amp, 5V DC	Clamping Plate	Plated Steel
	Mounting Strap	.040 in. Galvanized Steel
Certification – cULus Listed to UL498 and UL1310	Terminal Screws	Plated Steel
Hospital Grade, NEMA® WD-6 Compliant (USB8200 and	Hex Head Grounding Screw	Plated Steel
8300 series only)	Automatic Self-Grounding Staple	Stainless Steel
Complies with battery charging specification USB BC1.2	Mounting Screws	Zinc Plated Steel
Complies with Part 15 of the FCC rules		
Compatible with USB 1.1/2.0/3.0 devices, including Apple products		

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
USB Port	Stainless Steel Rated for 10,000 plug insertions and removal
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Circuit Feed-Through	20 Amp 125 Volt

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Technical Information

Hubbell-PRO Heavy Duty, Straight Blade Specification Grade Duplex Receptacles

5252A   **5262**

Specifications

Receptacle, Smooth Nylon Face	Part	Description
Typical Specification – Catalog No. 5252A	Receptacle	15A
Manufacturer's Identification – Hubbell 5252A Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL Listed to UL498 File E2186	Mounting Strap	.040 in. (1) Galvanized Steel
Certified to CSA File No. 285	Ground Contact	.031 in. (.8) Brass
NEMA® WD-6 Compliant	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Center Assembly Staple	.040 in. (1) Galvanized Steel
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Receptacle, Finder Groove Face	Part	Description
Typical Specification – Catalog No. 5262	Receptacle	15A
Manufacturer's Identification – Hubbell 5262 Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL Listed to UL498 File E2186,	Mounting Strap	.040 in. (1) Galvanized Steel
Fed. Spec. WC596, Certified to CSA C22.2, No. 42	Ground Contact	.031 in. (.8) Brass
NEMA® WD-6 Compliant	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Center Assembly Staple	.040 in. (1) Galvanized Steel
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Technical Information

Commercial Specification Grade Receptacles

| CRF15I | BR15LA | DR20I | CR20TR | DR20GRYWR |

Specifications

Part	Standard	Weather Resistant
Top	Nylon	Nylon (UV Rated)
Base	Nylon	Nylon
Double Wipe Power Contacts	.030 in. (.8) Brass	.030 in. (.8) Brass
Wire Clamp	.062 in. (1.6) Steel-Nickel Plated	.062 in. (1.6) Steel-Nickel Plated
Finish		
Mounting Strap	.040 in. (1) Steel (Galvanized)	.040 in. (1) Galvanized Steel
Ground Contact	.031 in. (.8) Brass	.031 in. (.8) Brass
Line Terminal Screws	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Ground Screw	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Automatic Self-Grounding Staple	Stainless Steel	Stainless Steel
Mounting Screws	Zinc Plated Steel	Stainless Steel
Certification		
UL Listed	UL498	UL498
Fed. Spec.	WC596*	WC596*
Certified to CSA	C22.2, No. 42	C22.2, No. 42

Performance

Electrical		
Dielectric Voltage	Withstands 2,000V minimum.	Withstands 2,000V minimum.
Max. Working Voltage	125V.	125V.
Current Interrupting	Certified for current interrupting at full rated current.	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.
Mechanical		
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.	Ratings are a permanent part of the device.
Environmental – Material		
Flammability	UL 94V-2.	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Decorator and Commercial Tamper-Resistant devices are not Fed. Spec. Listed.*

Technical Information

4-PLEX® Receptacles

HBL415I

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. HBL415	Receptacle	15 or 20A
Manufacturer's Identification – Hubbell 4-PLEX HBL415	Top	Polycarbonate
Description – Straight Blade, Multiple Outlet Receptacle	Base	Polycarbonate
Type – 2 Pole, 3 Wire, Grounding	Power Contacts	.032 in. (.8) Brass
Rating 15A, 125V	Ground Contacts	.031 in. (.8) Brass
Certification – Listed to UL Standard 498 File E2186	Ground Plate	.032 in. (.8) Plated Steel
Certified to CSA 22.2, No. 42 File 285	(Hospital Grade)	.050 in. (1.3) Plated Steel
	Line and Neutral Terminal Plate	.031 in. (.8) Brass
	Line Terminal Screw	#8-32 Brass
	Ground Screw	#8-32 Brass (Green)

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Capable of withstanding a fault level of 1000A, per UL498.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload current at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-12 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Technical Information

Insulgrip® Plugs and Connector Bodies

HBL5266C

HBL5269C

Specifications

Plugs	Part	Description
Typical Specification – Catalog No. HBL5266C	Plug	15A
Manufacturer's Identification – Hubbell HBL5266C	Housing	Nylon – Black
Description – Straight Body Plug	Blade Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding	Retainer	Polycarbonate – Clear
Rating – 15A, 125V	Cord Clamp	Nylon – Natural
Verified to Fed. Spec. WC596	Contact Blades	.060 in. (1.5) Brass
Certification – UL Listed to UL498 File E1706,	Ground Contact Blade	.040 in. (1.0) Copper Alloy
CSA Certified to C22.2 No. 42 File 280	Line Terminal Screws	#8-32 Brass, Multiple Drive
IP Suitability – IP20	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Wire Clamps	.062 in. (1.6) Steel – Nickel Finish

Connector Bodies	Part	Description
Typical Specification – Catalog No. HBL5269C	Connector Body	15A
Manufacturer's Identification – Hubbell HBL5269C	Housing	Nylon – Black
Description – Straight Body Connector	Contact Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding	Retainer	Polycarbonate – Clear
Rating – 15A, 125V	Cord Clamp	Nylon – Natural
Verified to Fed. Spec. WC596	Power Contacts	.040 in. (1.0) Copper Alloy
Certification – UL Listed to UL498 File E1706,	Line Terminal Screws	#8-32 Brass, Multiple Drive
CSA Certified to C22.2 No. 42 File 280	Ground Screw	#8-32 Brass, Multiple Drive (Green)
IP Suitability – IP20	Wire Clamps	.062 in. (1.6) Steel – Nickel Finish

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#18-10 AWG copper conductors only.
Product Identification	Ratings are a permanent part of the device.
Torque Range	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	.230–.720 in. (5.8–18.3) integral cord grip.

Environmental – Material	
Flammability	UL 94HB or better.
Operating Temperature	Maximum continuous 75°C; minimum – 40°C (w/o impact).

Technical Information

Valise® Plugs and Connectors

HBL5965VY   **HBL5969VY**

Specifications

Plugs	Part	Description
Typical Specification – Catalog No. HBL5965VY	Plug	15A
Manufacturer's Identification – Hubbell HBL5965VY	Housing	Nylon
Description – Straight Body Plug	Contact Blades	Brass
Type – 2 Pole, 3 Wire, Grounding	Ground Blade	Brass
Rating – 15A, 125V	Line Terminal Screws	Steel-Copper, Multiple Drive
Verified to Fed. Spec. WC596	Ground Screw	Steel (Green), Multiple Drive
Certification – UL Listed to UL 498 File E1706,	Cable Inserts	Poly Phenylene Oxide
CSA Certified to C22.2 No. 42 File 280C	Wire Clamps	Steel
IP Suitability – IP20	Body Holding Screws	Steel, Multiple Drive

Connector Bodies	Part	Connector
Typical Specification – Catalog No. HBL5969VY	Connector Body	15A
Manufacturer's Identification – Hubbell HBL5969VY	Housing	Nylon
Description – Straight Body Connector	Contact and Ground Springs	Brass
Type – 2 Pole, 3 Wire, Grounding	Line Terminal Screws	Steel-Copper, Multiple Drive
Rating – 15A, 125V	Ground Screw	Steel (Green), Multiple Drive
Verified to Fed. Spec. WC596	Cable Inserts	Poly Phenylene Oxide
Certification – UL Listed to UL 498 File E1706,	Wire Clamps	Steel
CSA Certified to C22.2 No. 42 File 280C	Body Holding Screws	Steel, Multiple Drive
IP Suitability – IP20		

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	Copper conductors only. 2 Wire 15A Only #18-14 AWG, 2 Wire 20A & 3 Wire #18-12 AWG, Hospital Grade #16-12 AWG, I.D. Valise #18-16 AWG.
Product Identification	Molded Rating on Device Face.
Torque	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	2-Wire 15A Only .218–.385 in. (5.5–9.8), 2-Wire 20A & 3 Wire .220–.660 in. (5.6–16.8), Hospital Grade .300–.660 in. (7.6–16.8), I.D. Valise .230–.360 in. (5.8–9.1).

Environmental – Material

Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Standards

NEMA® WD1
NEMA® Configurations
Listed to UL Standard UL498
Certified to CSA Standard C22.2 No. 42
Verified to Federal Spec WC596

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Straight Blade Devices

Technical Information

IEC 320 Devices

| H320R | H320C | H320P | H320B |

Specifications

Receptacle

Catalog Number	H320R
Description	IEC Configuration compatible straight blade panel mount receptacle.
Type	2 Pole + earth.
Rating	16A 250V AC for European service;
	20A 250V AC for North American service.
Certification	UL Listed 20A 250V AC – File No. E2186;
	CSA Certified 20A 250V AC – File No 17337.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only.
	International – 1.55mm2–2.5mm2.

Connector

Catalog Number	H320C
Description	IEC Detachable straight blade connector.
Type	2 Pole + earth.
Rating	16A 250V AC for European service;
	20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C19.
Certification	UL Listed 20A 250V AC – File No. E1706;
	CSA Certified 20A 250V AC – File No. 17337;
	UL Classified to IEC 320, 16A 250V AC – File No. E111246;
Cord Accommodation	North American – 16/3SJ-12/3SJ (.325–.475 in. dia.);
	International – (HAR cord) 3x1.5mm2–3x2.5mm2 (8mm–12mm dia.).
IP Suitability	IP20.

Plug

Catalog Number	H320P
Description	IEC Configuration compatible straight blade Valise® plug.
Type	2 Pole + earth.
Rating	16A 250V AC for European service;
	20A 250V AC for North American service.
Certification	UL Listed 20A 250V AC – File No. E1706;
	CSA Certified 20A 250V AC – File No. 17337.
Cord Accommodation	North American – 16/3 SJ-12/3SJ (.325–.475 in. dia.);
	International – (HAR cord) 3x1.5mm2 3x2.5mm2 (8–12mm dia.).
IP Suitability	IP20.

Inlet

Catalog Number	H320B and H320BL
Description	IEC Straight blade panel mount power inlet.
Type	2 Pole + earth.
Rating	16A 250V AC for European service;
	20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C20.
Certification	UL Listed 20A 250V AC – File No. E1706;
	CSA Certified 20A 250V AC – File No. 17337;
	UL Classified to IEC 320, 16A 250V AC – File No. E111246;
	VDE Certified at 16A 250V AC – File No. 12469 1550 1002.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only.
	International – 1.5mm2–2.5mm2.

Technical Information

Heavy Duty Insulgrip® Plugs and Receptacles

HBL9431C

HBL9430A

Specifications

Plug	Part	Description
Typical Specification - Catalog No. HBL9431C	Plug	30A
Manufacturer's identification - Hubbell HBL9431C	Housing	Supertough Nylon
Description - Straight Body Plug	Blade Holder & Retainer	Reinforced Thermoplastic Polyester
Type - 3 Pole, 4 Wire, Grounding	Blades	Brass
Rating - 30A, 125/250V	Terminal Screws	⅜ in. Allen Head, Plated Steel
Certification - UL Listed File E1706, CSA Certified*	Box Terminals	Copper Alloy
IP Suitability - IP20	Cord Clamps	Reinforced Thermoplastic Polyester
	Mounting and Clamp Screws	Stainless Steel
	Cord Grip Range	.625–1.310 in. (15.9–33.3)

Receptacle	Part	Description
Typical Specification - Catalog No. HBL9430A	Receptacle	30A
Manufacturer's Identification - Hubbell HBL9430A	Housing Construction	Reinforced Thermoplastic Polyester
Description - Single Receptacle	Mounting Plate	.062 in. (1.5) Pre-Plated Steel
Type - 3 Pole, 4 Wire, Grounding	Contacts	Brass
Rating - 30A, 125/250V	Ground Shunt	Brass
Certification - UL Listed File E2186, CSA Certified	Terminal Screws	⅜ in. Allen Head, Plated Steel
	Box Terminals	Copper

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interruption	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#12 AWG through #4 AWG copper wire only.
Production Identification	Ratings are a permanent part of the device.

Environmental	
Flammability	Receptacle: UL 94 VO.
	Plug: UL 94 HB (Housing), UL 94 VO (Blade Holder and Retainer).
Operating Temperature	Maximum continuous 60°C, minimum -40°C (w/o impact).

*Note: *Listed to UL Standard 498 (Attachment Plugs and Receptacles), Certified to CSA Standard 42M (General Use Receptacles, Attachments, Plugs and Singular Wiring Devices) where applicable.*

Twist-Lock® Devices

50A Twist-Lock® Devices

Hubbellock® Devices

Products at a Glance

Insul-Lock™ Devices

- Miniature 25 Amp power connections
- Connectors accept up to #12/3 AWG SO cable meeting NEC 520.68 requirements for extra-hard usage cords or cables
- Panel mount devices utilize .25 inch spade style tabs
- Interchangeable with other similar brands
- Suitable for use in UL1640 applications

Midget Twist-Lock® Devices

- Smaller body size for use in tighter fit applications where larger products can't
- Abuse resistant nylon housing

Midget Valise® Devices

- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals
- Patented locking lugs interlock the two sections together providing a secure assembly

Insulgrip® Twist-Lock® Devices

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized
- Integral dust shield protects wiring chamber from dust and contaminants
- Voltage color coding on receptacle face facilitates proper mating of devices

Safety-Shroud® Twist-Lock® Devices

- Tough nylon shroud protect blades from damage and abuse
- Prevents exposure to potential arc
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147
- Accepts conventional NEMA locking plugs

Watertight Safety-Shroud® Devices

- Gland seal prevents water ingress at cord entrance
- Strong PBT body for heavy duty applications
- Closure cap creates environmental seal when device is not in use
- Vsible color coded rating label on devices ensure proper mating

50 Amp Insulgrip® Devices

- Heavy duty design built for heavy duty applications
- Thermoplastic cord grips are designed with offset gripping jaws to hold connectors as well as the jacket
- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout/tagout regulation 29 CFR 1910.147

Hubbellock® Devices

- Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter
- No "lazy" connections because a spring-loaded safety shutter automatically ejects the plug if it hasn't been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up

Features and Benefits

Insul-Lock™ Connectors and Panel Mount Devices

Miniature 25 Amp Power Connections.

Ideal for use with LED lighting and other applications including multiple screen video walls. The rear of the connector is black to blend in when used in visible areas.

Available in both inline and panel mount styles, Hubbell's Insul-Lock™ Connectors have a quick release, vibration resistant latch. Hubbell's connections intermate with other similar brands.

• Meets NEC 520.68 requirements for extra-hard usage cords or cables

• Panel mount devices utilize .25 inch spade style tabs

• Interchangeable with other similar brands

• Suitable for use in UL1640 applications

Housing Design
• Impact-resistant thermoplastic construction
• Industry standard mating
• Color coded blue for power in and gray for power out

Connector Housing
• Insulgrip style body design for a secure grip
• Color coded blue for power in and gray for power out

Connector Body
• Connectors accept up to #12/3 AWG SO cable
• Multiple strain relief collets to accomodate cable range

Locking Latch
• Turn and latch feature prevents nuisance disconnects
• Quick release locking latch to ensure positive connection

Contacts
• Panel mount devices accept commonly available .25 inch spade style connectors

Panel Mount
• Divided panel mounts available for use with non-insulated terminations

Insul-Lock™ Connectors and Panel Mount Devices

3.12"
(79.2)
2.33"
(59.1)
1.06"
(27.0)
DIA.
.69"
(17.6)
DIA.

HBLCPIBL

3.12"
(79.2)
2.33"
(59.1)
1.06"
(27.0)
DIA.
.69"
(17.6)
DIA.

HBLCPOGY

.28
(7.0)
.80
(20.2)
1.22
(31.0)
.25
(6.4)
1.02
(26.0)

HBLPMIBL

.28
(7.0)
.80
(20.2)
1.22
(31.0)
.25
(6.4)
1.02
(26.0)

HBLPMOGY

Inline Connectors

Description	Style	Color	Catalog Number
25 Amp	Power In	Blue	**HBLCPIBL**
25 Amp	Power Out	Gray	**HBLCPOGY**

Panel Mounts

Description	Style	Color	Catalog Number
25 Amp	Power In	Blue	**HBLPMIBL**
25 Amp	Power In, Divided	Blue	**HBLPMIDBL**
25 Amp	Power Out	Gray	**HBLPMOGY**
25 Amp	Power Out, Divided	Gray	**HBLPMODGY**

Power In

HBLPMIBL   **HBLPMIDBL**
(Divided)

Power Out

HBLPMOGY   **HBLPMODGY**
(Divided)

Acessories

Description	Catalog Number
Panel Mount Retainer Plate	**HBLPMRP**
Panel Mount M3x.5 Screw, 8mm Long	**HBLPMSC**

Certifications

UL Recognized component for USA and Canada.

Note: Not for make or break under load.

Dimensions in Inches (mm)

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Twist-Lock® Devices

Features and Benefits

Midget 15 Amp Plugs and Connector Bodies

Hubbell's Valise® insulation displacement terminal for Midget Twist-Lock® Plugs and Connector Bodies are the right choice for economy, wiring speed and long life.

- Nylon webs join two sections together which makes assembly of the Valise® style device quick and easy

- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly

- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals

- "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking

Note: The cut-away views below are construction elements pertaining specifically to the Valise® style series.

Housing Design
- Totally insulated body adds extra measure of safety
- Abuse resistant nylon housing

Contacts
- The insulation displacement terminal reduces the time required for wire preparation and provides uniformity in the quality of termination
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals

One-Piece Design
- Nylon webs join two sections together which makes assembly of the device quick and easy
- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly, even in the most abusive environments

Assembly
- Assembly screws have multiple drive heads for screwdriver versatility. Only two assembly screws are needed to close this device, make the wire terminations and retain the cord

Identification
- Rating marked on surface provides quick, sure circuit identification

Markings
- "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking

UL CSA®

Midget Plugs and Flanged Inlets

HBL7465V

HBL7594V

HBL7594

HBL7570

IP20 SUITABILITY

Plugs

Description	Cord Dia.	15A 125V NEMA ML-1P	15A 125V NEMA ML-2P	15A 125/250V AC NEMA ML-3P
		Catalog Number		
Valise® plug, black nylon, multiple drive screw terminals.	.220"-.385" (5.6-9.8)	**HBL7465V***	–	–
Valise® plug, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	**HBL7594V**	–
Black nylon cover, phenolic body, multiple drive screw terminals.	.281"-.421" (7.1-10.7)	–	**HBL7594**	–
Angle plug, black nylon cover, phenolic body, multiple drive screw terminals.	.335"-.421" (8.5-10.7)	–	**HBL7570**	–
Valise® plug, black nylon, with insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	–	**HBL7485V***
Black nylon body, phenolic base, multiple drive screw terminals, cord grip.	.281"-.421" (7.1-10.7)	–	–	**HBL7485***
Same as above, except angle cord grip.	.335"-.421" (8.5-10.7)	–	–	**HBL7432***

Flanged Inlets

Description	Catalog Number		
Stainless steel flange, polarized, exposed terminals.	**HBL7467***	–	–
Stainless steel flange, not polarized, exposed terminals.	**HBL7466***	–	–
Exposed terminals, black nylon flange.	–	**HBL7595N**	–
Exposed terminals, stainless steel flange.	–	**HBL7595**	–
Covered terminals, stainless steel flange, accepts cord .500" (12.7) dia.	–	**HBL7551**	–
Exposed terminals, black nylon flange.	–	–	**HBL7486N***
Exposed terminals, stainless steel flange.	–	–	**HBL7486***

Note: See page B-10 for accessories.
*UL Listed only.
Male ML-2P devices have hollow center ground sleeves.
Male ML-3P devices have solid center neutral pins.

HBL7466, HBL7467

HBL7595N

HBL7595

HBL7486N

HBL7486

Dimensions in Inches (mm)

Midget Connector Bodies and Flanged Receptacles

Connector Bodies

Description	Cord Dia.	15A 125V NEMA ML-1R	15A 125V NEMA ML-2R	15A 125/250V AC NEMA ML-3R
		Catalog Number		
Valise® connector body, black nylon, polarized, multiple drive screws.	.220"-.385" (5.6-9.8)	HBL7464V*	–	–
Valise® connector body, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	HBL7593V	–
Black nylon cover, phenolic body, screw terminals.	.281"-.421" (7.1-10.7)	–	HBL7593	–
Angle connector body, black nylon cover, phenolic body, screw terminals.	.335"-.421" (8.5-10.7)	–	HBL7571	–
Valise® type, black nylon, with insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	–	HBL7484V*
Black nylon body, phenolic base, cord grip.	.281"-.421" (7.1-10.7)	–	–	HBL7484*
Same as above, except for angle cord grip.	.335"-.421" (8.5-10.7)	–	–	HBL7433*

Flanged Receptacles

Description	15A 125V NEMA ML-1R	15A 125V NEMA ML-2R	15A 125/250V AC NEMA ML-3R
	Catalog Number		
Stainless steel flange, exposed terminals.	HBL7468*	–	–
Exposed terminals, black nylon flange.	–	HBL7596N	–
Exposed terminals, stainless steel flange.	–	HBL7596	–
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in dia.	–	HBL7598	–
Exposed terminals, black nylon flange.	–	–	HBL7487N*
Exposed terminals, stainless steel flange.	–	–	HBL7487*
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in diameter.	–	–	HBL7489*

Note: See page B-10 for accessories.
   *UL Listed only.
   Female ML-2R devices have solid center ground pins.
   Female ML-3R devices have hollow center neutral sleeves.

IP20 SUITABILITY

HBL7464V

HBL7593V

HBL7593

HBL7571

HBL7484V

HBL7596

HBL7598

HBL7596N

HBL7468

Dimensions in Inches (mm)

Midget Accessories

HBL7490V

HBL7459V

HBL4890

HBL7495V

HBL7440V

HBL4889

Weatherproof Accessories for ML-1

Description	Catalog Number
Seal-tite® cover, black elastomer, for use with a HBL7465V plug when used with a HBL7464V connector body or a HBL7464V connector when used with a flanged inlet.	**HBL7490V***
Seal-tite® cover, black elastomer, for use with a HBL7464V connector body and combination of HBL7465V plug and HBL7490V cover.	**HBL7459V***
Closure cover for use with HBL7466 or HBL7467. Bead chain is nickel-plated.	**HBL4890**

Weatherproof Accessories for ML-2

Description	Catalog Number
Seal-Tite® cover, black elastomer, for use with a HBL7594V plug when used with a HBL7593V connector body or a HBL7593V connector body when used with a flanged inlet.	**HBL7495V***
Seal-Tite® cover, black elastomer, for use with a HBL7593V connector body and a combination of HBL7594V plug and HBL7495V cover.	**HBL7440V***
Closure cover for use with HBL7595 or HBL7595N.	**HBL4889**

Weatherproof Accessories for ML-3

Description	Catalog Number
Seal-Tite® cover, black elastomer, for use with a HBL7485V or HBL7485 plug when used with a HBL7484V or HBL7484 connector body when used with a flanged inlet.	**HBL7495V***
Seal-Tite® cover, black elastomer, for use with a HBL7484V or HBL7484 connector body and a combination of HBL7485V or HBL7485 plug and HBL7495V cover.	**HBL7440V***
Closure cover for use with HBL7486 or HBL7486N.	**HBL4889**

*Note: *IP55 suitability when installed and used properly with plug and connector body combinations.*

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

Twist-Lock® Devices

Features and Benefits

Insulgrip® 15 Amp Plugs and Connector Bodies

Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

• The Insulgrip's cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief

• Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time

Housing Design

• Ribbed nylon housing provides a secure grip that's impact and chemical resistant

• Beveled housing prevents snagging when dragged across uneven surfaces

• Individually molded face for each blade configuration keeps debris out of plug interior

Internal Design

• Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations

• Individual wiring terminals are completely enclosed in their own separate chambers

Cord Range

• Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230-.720 inch (5.8-18.3)

• VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230-.360 inch (5.8-9.0). Accepts slotted and Phillips head drivers

Assembly

• "Multiple drive" screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver

Identification

• Catalog number is visible on the device while in use for easy identification

Visual Verification

• Transparent angled wiring entrance holes guide conductor insertion and allow for quick visual verification of terminations

Features and Benefits

15 Amp Duplex Twist-Lock® Receptacles

Hubbell Wiring Device-Kellems line of duplex Twist-Lock® receptacles are designed to deliver premium service and longer life. This rugged product design establishes a new standard for 15 amp locking receptacles. A reinforced thermoplastic top and base encapsulates the brass alloy contacts that are locked together for unequaled assembly strength. Wiring and installation is simplified with back and side wire terminations, integral wire restraints, and combination head screws. The integral split circuit capability offers flexibility. Available in 2 pole, 3 wire configurations including isolated ground and corrosion resistant versions.

- Superior spring characteristics for increased contact force, secure connections and longer life
- High-conductivity, corrosion resistant material for reliable, low resistance to fault currents
- Easy and reliable installation for stranded and solid wire
- Features split circuit capability in the field
- The assembly locks together to make the most abuse resistant receptacle ever

Housing Design
- Reinforced thermoplastic construction
- High impact and heat resistance provides maximum safety and longer life

Terminals
- Single point break-off tabs
- High performance internal wiring clamps and open terminal design provide for the use of forked terminals

One-Piece Design
- Mounting strap tabs lock the body and base together
- Brass mounting strap with stainless steel grounding clip

Contacts
- Single piece, all brass contacts
- All terminals are back and side wired including the ground

Identification
- Rating marked on surface provides quick, sure circuit identification

Center Rivet
- Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

15 Amp, 125 Volts
2 Pole, 2 Wire, Non-Grounding

IP20 SUITABILITY

15A 125V NEMA L1-15P 0.5 HP

Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon, polarized. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL7545C**

Note: See page B-53 for accessories.

1.97" (50.0)
1.53" (38.9) DIA.

HBL7545C

Flanged Inlets

Description	Catalog Number
Nylon casing, polarized, backwired, Multiple drive screws.	**HBL7524C**

Note: See page B-52 for accessories.

15A 125V NEMA L1-15R 0.5 HP

Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL7506C**

Note: See page B-53 for accessories.

2.56" (52.3) DIA.
2.19" (55.6)
1.69" (42.9) DIA.
2X .16" (4.1) DIA.
1.72" (43.7)

HBL7524C

Receptacles

Description	Catalog Number
Duplex, flush, black phenolic.	**HBL7540**
Single, flush, black phenolic.	**HBL7535**
Single, panel mount, 1¹⁵⁄₁₆" (49.2) centers, black phenolic.	**HBL7498**

Note: See pages B-52 and B-53 for accessories.

2.78" (70.6)
1.53" (38.9) DIA.
1.41" (35.8) DIA.

HBL7506C

Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, backwired. Multiple drive screws.	**HBL7526C**
Metal flange, stainless steel casing, black phenolic, exposed terminals.	**HBL7526**

Note: See pages B-52 and B-53 for accessories.
Only receptacles and plugs are HP rated.
HP ratings are AC only.

1.33" (33.8)
1.00" (25.4)
3.28" (83.3)
2.75" (69.9)
1.53" (38.8)
#6-32 TAP

HBL7540

2.56" (52.3) DIA.
2.19" (55.6)
1.69" (42.9) DIA.
2X .16" (4.1) DIA.
1.72" (43.7)

HBL7526C

1.00" (25.4)
1.94" (49.3)
1.39" (35.3) DIA.
1.63" (41.4)
2X #8-32 TAP

HBL7498

1.00" (25.4)
2.38" (60.5)
3.28" (83.3)
1.39" (35.3) DIA.
1.63" (41.4)
2X #6-32 TAP

HBL7535

Dimensions in Inches (mm)

15 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding

IP20 SUITABILITY

			15A 125V NEMA L5-15P 0.5 HP	15A 250V NEMA L6-15P 1.5 HP	15A 277V AC NEMA L7-15P 2 HP

Plugs

Description	Cord Dia.	Catalog Number		
Insulgrip plug, black and white nylon. Multiple drive screws. Fed Spec WC596	.230"-.720" (5.8-18.3)	HBL4720C	HBL4570C	HBL4770C
All black nylon.	.230"-.720" (5.8-18.3)	HBL4720CBK	–	–
Insulgrip angle plug, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	HBL4720CA	HBL4570CA	HBL4770CA
Insulgrip plug, corrosion resistant, yellow and white nylon. Multiple drive screws. Fed Spec WC596	.230"-.720" (5.8-18.3)	HBL47CM20C	HBL45CM70C	HBL47CM70C
Elastogrip® plug, yellow elastomer, dust tight.	300"-.655" (7.6-16.6)	HBL2447	–	–
Elastogrip plug, yellow elastomer, water/dust tight.	300"-.655" (7.6-16.6)	HBL24W47	–	–
Valise® plug, yellow nylon.	.220"-.660" (5.6-16.8)	HBL4723VY	HBL4573VY	HBL4773VY
Valise® plug, black nylon.	.220"-.660" (5.6-16.8)	HBL4723VBK	HBL4573VBK	HBL4773VBK

Note: See page B-53 for accessories.

Flanged Inlets

Description	Catalog Number		
Insulgrip flanged inlet, nylon casing, back wired.	HBL4716C	HBL4586C	HBL4786C
Stainless steel casing, brown phenolic.	HBL4716*	HBL4586*	HBL4786*
Corrosion resistant, stainless steel casing, yellow melamine.	HBL47CM16*	–	–

Note: See page B-52 for accessories.
HP ratings are AC only.
Only plugs are HP rated.
See page B-71 for technical information on Insulgrip devices.
*These flanged inlets will not accept Valise® connector bodies.

1.91" (48.5) — **1.53" (38.9) DIA.**

HBL4720C

1.22" (30.9) — **2.11" (53.6)** — **1.53" (38.9)**

HBL4720CA

2.63" (66.8) — **1.56" (39.6) DIA.**

HBL24W47

1.88" (47.8) — **1.50" (38.1) DIA.**

HBL4723VY

2.56" (52.3) DIA. — **2.19" (55.6)** — **1.69" (42.9) DIA.** — **2X .16" (4.1) DIA.** — **1.72" (43.7)**

HBL4716C

1.75" (44.5) — **2X .16" (4.1) DIA.** — **2.31" (58.7)** — **1.50" (38.1) DIA.** — **1.94" (49.3)** — **1.09" (27.7)**

HBL4716

Dimensions in Inches (mm)

15 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding

IP20 SUITABILITY

Connector Bodies

Description	Cord Dia.	15A 125V NEMA L5-15R 0.5 HP	15A 250V NEMA L6-15R 1.5 HP	15A 277V AC NEMA L7-15R 2 HP
		Catalog Number		
Insulgrip connector body, black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	HBL4729C	HBL4579C	HBL4779C
All black nylon.	.230"-.720" (5.8-18.3)	HBL4729CBK	–	–
Insulgrip connector body, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	HBL4729CA	–	–
Insulgrip connector body, corrosion resistant, yellow and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	HBL47CM29C	HBL45CM79C	HBL47CM79C
Elastogrip connector body, yellow elastomer, dust tight.	.300"-.655" (7.6-16.6)	HBL2547	–	–
Elastogrip® connector body, yellow elastomer, water/dust tight.	.300"-.655" (7.6-16.6)	HBL25W47**	–	–
Valise® connector body, yellow nylon.	.220"-.660" (5.6-16.8)	HBL4729VY	HBL4579VY	HBL4779VY
Valise® connector body, black nylon.	.220"-.660" (5.6-16.8)	HBL4729VBK	HBL4579VBK	HBL4779VBK

Note: See page B-51 for accessories.

Receptacles

Description	Catalog Number		
Duplex, flush, brown RTP face, back and side wired.	HBL4700*	HBL4550*	HBL4750*
Duplex, flush, ivory RTP face, back and side wired.	HBL4700I*	–	–
Duplex, ring terminal connection.	HBL4700RT*	HBL4550RT*	–
Duplex, isolated ground, flush, orange RTP face, back and side wired.	IG4700A*	IG4550A*	–
Duplex, corrosion resistant, yellow RTP face, back and side wired.	HBL47CM00*	–	–
Single, flush, black nylon face, back and side wired.	HBL4710	HBL4560	HBL4760
Same as HBL4760 without mounting screws, ears. Terminal screws backed out, back and side wired. This item is bulk packed 100 pcs case.	–	–	HBL4760C
Single, ring terminal connection.	HBL4710RT	HBL4560RT	–
Single, isolated ground, flush, orange nylon face, back and side wired.	IG4710	IG4560	–
Single, black nylon face mounted on a 4" (101.6) round box cover, back and side wired.	HBL4711	–	HBL4761
Single, panel mount, black nylon face, side wired only, 1.75" or 1.937" (44.5 or 49.2) mounting centers.	HBL4713	HBL4563	HBL4763

Note: See pages B-52 and B-53 for accessories.

Flanged Receptacles

Description	Catalog Number		
Insulgrip flanged receptacle, nylon casing, back wired.	HBL4715C	HBL4585C	HBL4785C
Stainless steel casing, brown phenolic.	HBL4715	HBL4585	HBL4785
Corrosion resistant, stainless steel casing, yellow melamine.	HBL47CM15	–	–

Note: See pages B-52 and B-53 for accessories.
HP ratings are AC only.
RTP is an abbreviation for reinforced thermoplastic polyester.
See section N for additional information on isolated ground devices.
*Supplied with break-off tabs for split circuit wiring.
**Watertight connector body IP55 suitability when closure plug is inserted or when installed and used properly with watertight plug.

HBL4729C

HBL25W47

HBL4729VY

HBL4700

HBL4710

HBL4715

HBL4715C

Dimensions in Inches (mm)

Features and Benefits

Insulgrip® 20 and 30 Amp Plugs and Connector Bodies

Our 20 and 30 amp Insulgrip® plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the "industry standard".

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The cord grips also provide a clean, one-piece look and makes it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration, eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet design for the female contacts and an easy to read identification system.

The Hubbell Twist-Lock® line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.

Housing Design

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized

Internal Design

- Integral dust shield protects wiring chamber from dust or contaminants. Single-piece shield/housing eliminates need for separate step at installation
- Wiring chambers separate and positively insulate conductors and promote easy inspection

Cord Range

- Two-part cord grip tightens with two screws for maximum retention force
- Broad gripping area to accommodate wide range of cable diameters

Assembly

- Self-threading screws specially designed for secure assembly

Identification

- Product identification is visible while device is in use. Markings include catalog number and ratings printed in the IEC color scheme on the current-carrying portion of the device

Contacts

- Improved terminations include #10 multiple drive screws and thicker .080 inch clamping nuts
- Funneled holes to permit "straight-in" conductor insertion
- Contoured binding plates ensures strong wire retention

Features and Benefits

Insulgrip® Standard Locking Receptacles

Twist-Lock® receptacles combine functional design features, unparalleled quality to deliver ultimate performance.

The high-impact nylon face of each Hubbell Twist-Lock receptacle has a colored ring. Keyed to an internationally recognized color coding scheme, this ring enables mating devices to be matched quickly. It's just one more example of user-oriented thinking at Hubbell.

The terminals in each Hubbell Twist-Lock receptacle are mechanically and electrically the finest available. These terminals incorporate unique design features to contain and hold conductors, including an external back wiring "wraparound" clamp, a wire restraint recess and more.

The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact resistance.

Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Any way you look at them, they are the standard of the industry.

125V	250V	277V AC	480V AC	600V AC	125/250V

Housing Design
- High-impact, abuse-resistant nylon face
- Glass-Reinforced thermoplastic base (PBT) has the desirable characteristics of a thermoset material, including heat, flame resistance and dimensional stability. The impact resis-tance it provides, however, is much greater than that of a thermoset

Wiring Design
- Wire restraint recess for both back and side wiring, greatly reduces the possibility of loosening the terminal connection

Mounting Strap
- All-brass mounting and grounding system provides a lower resistance ground path and greater resistance to corrosion than steel mounting systems

Terminals
- #10 brass terminal screw provides greater strength and resistance to corrosion and stripping
- Anti-rotational clamp has a stop to limit the amount of cocking when only one side is used. Accommodates both back and side wiring

Identification
- Face color coding by voltage facilitates locating and mating of proper devices
- Boss diameter is 1.562 inch on 20A and 30A devices for simplifying installation and accessory selection

Contacts
- One-piece contact with long spring arm (low stress) and oxide cutting nibs: prevents stress and overheating associated with riveted contact and short spring arms

Twist-Lock® Devices

Features and Benefits

Watertight Safety-Shroud® Twist-Lock® System

- Virtually eliminates bent and broken plug blades, leading to longer equipment life

- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades

- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies

- Reduces exposure to arcing when connecting or disconnecting plugs under load

- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts

- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147

Note: Works with Mechanical Interlocks, see page B-43 for additional information.

Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments

- Blades are recessed for protection against bending and breaking

- Closure cap is included for environmental seal when device is not in use

Assembly

- Cord grip screw recess minimizes screwdriver slippage

- All screws are #10 multiple drive head

Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO

- Sealing gland and thermoplastic guard assure sealing when fully connected

Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments

- Mounting screw recesses minimize screwdriver slippage

- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices

Identification

- Catalog number and color-coded voltage rating are easily visible even when in use

- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected

Spring-Loaded Cover

- One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover

  Result: environmental sealing is assured

HUBBELL® Wiring Device-Kellems

Twist-Lock® Devices

Features and Benefits

Safety-Shroud® Twist-Lock® System

• Mates with most NEMA locking connector bodies

• Virtually eliminates bent and broken plug blades

• Provides protection for personnel by reducing chance of inadvertent contact with blades when connecting or disconnecting energized devices

• Reduces exposure to arcing when connecting or disconnecting under load

• Extends life of mating receptacles by eliminating damage caused by insertion of bent blades

• Complies with California Code of Regulation, which requires shrouding for devices exceeding 300 volts

• Lockout/tagout hole allows compliance to OSHA regulation 29 CFR 1910.147

• Allows engagement with Mechanical Interlock Enclosure which virtually prevents make and break under load

Note: All screws are #10 multiple drive head.
Works with Mechanical Interlocks, see page B-43 for additional information.

Housing Design

• Impact resistant shroud made of engineered thermoplastic protects blades against bending or breaking

Housing Design

• Engineered thermoplastic housing is impact and corrosion resistant, making it suitable for heavy duty industrial environments

• Accepts conventional NEMA locking plugs

Safety

• External keying on plug devices allows quick mating of devices

• Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147

Safety-Shroud® Twist-Lock® Receptacles

• The Safety-Shroud Twist-Lock single gang receptacles were designed to mount in virtually all standard and FS/FD type boxes, allowing easy conversion of existing NEMA locking receptacles to Safety-Shroud Twist-Lock receptacles

Identification

• Catalog number and color-coded voltage rating are visible even when in use

• Alignment arrows with lock and unlock symbols provide a visual indication that devices are properly connected

Boxes Available

• The semi-flush receptacles install in (RACO type 242/255) boxes, with ½ raised 2-gang device mount covers (RACO type 778/841) and a 2-gang FD type box. Standard 4 inch and 4¹¹⁄₁₆ in. square boxes 2⅛ in. deep

Twist-Lock® Devices

Compatibility and Environmental Protection Chart

Twist-Lock® Receptacles

Twist-Lock® Connector Bodies

	Watertight Safety-Shroud	Watertight Safety-Shroud Mechanical Interlock Enclosure	Safety-Shroud	Switched Enclosure	NEMA	Watertight Safety-Shroud	Insulgrip
Twist-Lock® Plugs							
Watertight Safety-Shroud	YES Type 4X, Type 12	YES Type 4X, Type 12K	YES Type 1	NO	NO	YES Type 4X, Type 12	YES Type 1
Safety-Shroud	YES Type 1	YES Type 1	YES Type 1	NO	NO	YES Type 1	YES Type 1
Insulgrip	YES Type 1	NO	YES Type 1	YES Type 3R	YES Type 1	YES Type 1	YES Type 1
Twist-Lock® Inlets							
NEMA	NA	NA	NA	NA	NA	NO	YES Type 1
Watertight Safety-Shroud	NA	NA	NA	NA	NA	YES Type 4X, Type 12	YES Type 1

Type 1   Indoor
Type 3R   Raintight
Type 4X   Hose-directed water and corrosion resistant
Type 12   Dust tight, drip-proof without knockouts
Type 12K   Dust tight, drip-proof with knockouts
YES   Interchangeable
NO   Does not interchange
NA   Not Applicable

Note: See Technical section for full description of enclosure types.

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

20 Amp, 250 Volts
2 Pole, 2 Wire, Non-Grounding

20A 250V
NEMA L2-20P
2 HP

Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon, polarized, multiple drive screws.	.220"-.720" (5.6-18.3)	**HBL7102C**

Note: See page B-53 for accessories.

1.97" (50.0)
1.53" (38.9) DIA.

HBL7102C

Flanged Inlets

Description	Catalog Number
Nylon casing, back wired, polarized, multiple drive screws.	**HBL8815C**

Note: See page B-52 for accessories.

2.56" (65.0) DIA.
2.19" (55.6)
1.69" (42.9) DIA.
2X .16" (4.1) DIA.
1.72" (43.7)

HBL8815C

20A 250V
NEMA L2-20R
2 HP

Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon, multiple drive screws.	.220"-.720" (5.6-18.3)	**HBL7101C**

Note: See page B-53 for accessories.

2.78" (70.6)
1.53" (38.9) DIA.
1.41" (35.8) DIA.

HBL7101C

Receptacles

Description	Catalog Number
Single, black phenolic.	**HBL7210B**
Single, mounted on 4" (101.6) round box cover, black phenolic.	**HBL7217B**

Note: See pages B-52 and B-53 for accessories.

1.11" (28.2)
3.28" (83.3)
1.39" (35.3) DIA.
2.38" (60.5)
2.09" (53.1)
2X #6-32 TAP

HBL7210B

Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired, multiple drive screws.	**HBL8809C**
Metal flange, stainless steel casing, black phenolic, exposed terminals.	**HBL3226**

Note: See pages B-52 and B-53 for accessories.
Only receptacles and plugs are HP rated.
HP ratings are AC only.

2.56" (65.0) DIA.
2.19" (55.6)
1.69" (42.9) DIA.
2X .16" (4.1) DIA.
1.72" (43.7)

HBL8809C

1.75" (44.5)
2X .16" (4.1) DIA.
2.31" (58.7)
1.88" (47.8)
1.42" (36.1) DIA.
1.83" (46.4)

HBL3226

Dimensions in Inches (mm)

20 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding

	20A 125V NEMA L5-20P 1 HP	20A 250V NEMA L6-20P 2 HP	20A 277V AC NEMA L7-20P 2 HP

HBL2321SW

HBL2321S

HBL2311

HBL2311VY

HBL2325SW

Plugs

Watertight Safety-Shroud®
IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	**HBL2311SW**	**HBL2321SW**	**HBL2331SW**

Safety-Shroud®
IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"-.930" (9-24)	**HBL2311S**	**HBL2321S**	**HBL2331S**

Insulgrip®
IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	**HBL2311**	**HBL2321**	**HBL2331**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**HBL23CM11**	**HBL23CM21**	–
All black nylon.	.360"-.930" (9-24)	**HBL2311BK**	**HBL2321BK**	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	**HBL2311EBK**	**HBL2321EBK**	–

Note: See page B-54 for accessories.

Valise®
IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.325"-.720" (8.26-18.3)	**HBL2311VY**	**HBL2321VY**	**HBL2331VY**
Corrosion resistant, yellow nylon.	.325"-.720" (8.26-18.3)	**HBL23CM11V**	–	–
Black nylon.	.325"-.720" (8.26-18.3)	**HBL2311VBK**	**HBL2321VBK**	**HBL2331VBK**

Note: See page B-55 for accessories.

Flanged Inlets

Watertight Safety-Shroud®
IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2315SW**	**HBL2325SW**	**HBL2335SW**
Gray Valox® housing and flange, reverse service (Not shown).	–	**HBL2325SWR**	–

Note: See page B-56 for accessories.

Insulgrip®
IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2315**	**HBL2325**	**HBL2335**

Note: See page B-54 for accessories.
See pages B-71 and B-72 for technical information on Twist-Lock and
Watertight Safety-Shroud devices.
See page B-76 for technical information on Valise® plugs and connectors.

HBL2315

HBLMITL - For use with
Watertight Safety-Shroud
receptacles, see page B-43.

Dimensions in Inches (mm)   *Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

20 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding

		20A 125V NEMA L5-20R 1 HP	20A 250V NEMA L6-20R 2 HP	20A 277V AC NEMA L7-20R 2 HP

Connector Bodies

Watertight Safety-Shroud®
IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	HBL2313SW	HBL2323SW	HBL2333SW

Insulgrip®
IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	HBL2313	HBL2323	HBL2333
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL23CM13	HBL23CM23	–
All black nylon.	.360"-.930" (9-24)	HBL2313BK	HBL2323BK	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	HBL2313EBK	HBL2323EBK	–

Note: See page B-54 for accessories.

Valise®
IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.325"-.720" (8.26-18.3)	HBL2313VY	HBL2323VY	–
Black nylon.	.325"-.720" (8.26-18.3)	HBL2313VBK	HBL2323VBK	HBL2333VBK

Note: See page B-55 for accessories.

Receptacles

Watertight Safety-Shroud®
IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	HBL2310SW	HBL2320SW	HBL2330SW

Note: See page B-56 for accessories.

Safety-Shroud® Twist-Lock®
IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	HBL2310AR	HBL2320AR	HBL2330AR
Gray Valox® surface mounting, one gang, back wired.	HBL2310SR	HBL2320SR	HBL2330SR
Gray Valox® semi-flush, two gang, back wired.	HBL2310SR2	HBL2320SR2	HBL2330SR2

Single Flush Receptacles
IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2310	HBL2320	HBL2330
Black nylon face, spring terminals.	HBL2310ST	HBL2320ST	–
Blue nylon face, back and side wired.	HBL2310M7	HBL2320M4	–
Isolated ground, orange nylon face, back and side wired.	IG2310	IG2320	–
Corrosion resistant, yellow nylon face, back and side wired.	HBL23CM10	–	–
Ring terminal connection.	HBL2310RT	HBL2320RT	–

Note: See page B-54 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2316	HBL2326	HBL2336

Note: See page B-54 for accessories.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HBL2323SW
4.40" (111.8)
2.57" (65.3) DIA.

HBL2313
3.86" (98.0)
1.97" (50.0) DIA.
2.26" (57.4) DIA.

HBL2313VY
3.50" (88.9)
1.81" (46.0) DIA.

HBL2320SW
1.50" (38.1)
3.75" (95.3) S.Q.
2X 3.12" (79.2)

HBL2310ST
1.70" (43.2)
2X #6-32 TAP
2.77" (70.4)
1.56" (39.6) DIA.
3.28" (83.3)
2.38" (60.5)
1.17" (29.8)
1.45" (36.8)

HBL2320SR
1.58" (40.1)
4.56" (115.8)
2.84" (72.1)

Dimensions in Inches (mm)

20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC
3 Pole, 4 Wire, Grounding

	20A 125/250V AC NEMA L14-20P 2 (1) HP	20A 3Ø 250V AC NEMA L15-20P 3 HP	20A 3Ø 480V AC NEMA L16-20P 5 HP

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2411SW**	**HBL2421SW**	**HBL2431SW**

Safety-Shroud®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2411S**	**HBL2421S**	**HBL2431S**

Note: See page B-54 for accessories.

Insulgrip®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2411**	**HBL2421**	**HBL2431**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL24CM11**	**HBL24CM21**	**HBL24CM31**
All black nylon.	.350"-1.150" (9-29)	**HBL2411BK**	–	–

Note: See page B-54 for accessories.

Flanged Inlets

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2415SW**	**HBL2425SW**	**HBL2435SW**

Note: See page B-56 for accessories.

Insulgrip®   IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2415**	**HBL2425**	**HBL2435**

Note: See page B-54 for accessories.
See pages B-71 and B-72 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-43.

4.40" (111.8)
2.94" (74.6) DIA.
HBL2421SW

4.21" (106.9)
2.23" (56.6) DIA.
2.33" (59.2) DIA.
HBL2421S

2.75" (69.9)
2.21" (56.1) DIA.
2.33" (59.2) DIA.
HBL2411

2.44" (62.0)
3.75" (95.3) S.Q.
3.13" (79.5) S.Q.
1.81" (46.0)
HBL2425SW

3X .19" (4.8) DIA.
2.27" (57.7)
3.06" (77.7) DIA.
2.23" (56.6) DIA.
R. 1.34" (34.0)
120° TYP.
HBL2415

Dimensions in Inches (mm)   *Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

F UL S ®   CSA ®
Fed.Spec.

20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC
3 Pole, 4 Wire, Grounding

	20A 125/250V AC NEMA L14-20R 2 (1) HP	20A 3Ø 250V AC NEMA L15-20R 3 HP	20A 3Ø 480V AC NEMA L16-20R 5 HP

Connector Bodies

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	HBL2413SW	HBL2423SW	HBL2433SW

Insulgrip®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2413	HBL2423	HBL2433
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL24CM13	HBL24CM23	HBL24CM33
All black nylon.	.350"-1.150" (9-29)	HBL2413BK	–	–

Note: See page B-54 for accessories.

HBL2423SW

HBL2413

Receptacles

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	HBL2410SW	HBL2420SW	HBL2430SW

Note: See page B-56 for accessories.

Safety-Shroud® Twist-Lock®   IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	HBL2410AR	HBL2420AR	HBL2430AR
Gray Valox® surface mounting, one gang, back wired.	HBL2410SR	HBL2420SR	HBL2430SR
Gray Valox® semi-flush, two gang, back wired.	HBL2410SR2	HBL2420SR2	HBL2430SR2

Single Flush Receptacles   IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2410	HBL2420	HBL2430
Isolated ground, orange nylon face, back and side wired.	IG2410	IG2420	–
Ring terminal connection.	HBL2410RT	HBL2420RT	–

Note: See page B-54 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2416	HBL2426	HBL2436

Note: See page B-54 for accessories.

HBL2420SW

HBL2420AR

HBL2416

HBL2410

HBL2420SR2

HBL2420SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

20 Amp, 347, 480, 600 and 125/250 Volts AC
2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding

2.75"
(69.9)

2.26"
(57.4)
DIA.

1.97"
(50.0)
DIA.

HBL2341

IP20
SUITABILITY

Plugs

Description	Cord Dia.	20A 347V AC NEMA L24-20P	20A 480V AC NEMA L8-20P 3 HP	20A 600V AC NEMA L9-20P	20A 125/250V AC NEMA L10-20P 2 (1) HP
		Catalog Number			
Black and white nylon.	.360"-.930" (9-24)	**HBL3721**	**HBL2341**	**HBL2351**	–
Black and white nylon (Not shown).	.300"-1.050" (7.6-26.7)	–	–	–	**HBL2361**

Note: See page B-54 for accessories.

3X .19" (4.8) DIA.

2.09"
(53.1)

2.88"
(73.2)
DIA.

2.04"
(51.8)
DIA.

R. 1.25"
(31.8)

120° TYP.

HBL2345

Flanged Inlets

Description	Catalog Number			
Nylon casing, back wired.	**HBL3725**	**HBL2345**	**HBL2355**	**HBL2365**

Note: See page B-54 for accessories.

IP20
SUITABILITY

3.86"
(98.0)

2.26"
(57.4)
DIA.

1.97"
(50.0)
DIA.

HBL2343

Connector Bodies

Description	Cord Dia.	20A 347V AC NEMA L24-20R	20A 480V AC NEMA L8-20R 3 HP	20A 600V AC NEMA L9-20R	20A 125/250V AC NEMA L10-20R 2 (1) HP
		Catalog Number			
Black and white nylon.	.360"-.930" (9-24)	**HBL3723**	**HBL2343**	**HBL2353**	–
Black and white nylon (Not shown).	.300"-1.050" (7.6-26.7)	–	–	–	**HBL2363**

Note: See page B-54 for accessories.

2X #6-32
TAP

1.70"
(43.2)

3.28"
(83.3)

2.67"
(67.8)

1.56"
(39.6)
DIA.

2.38"
(60.5)

.98" (24.9)

HBL2340

Single Flush Receptacles

Description	Catalog Number			
Black nylon face, back and side wired.	**HBL3720**	**HBL2340**	**HBL2350**	**HBL2360**
Watertight Safety-Shroud®, gray Valox® housing and flange, back and side wired, (Not shown).	–	**HBL2340SW**	–	–
Isolated ground, orange nylon face, back and side wired.	–	**IG2340**	–	–

Note: See page B-54 for accessories.

3X .19" (4.8) DIA.

2.09"
(53.1)

2.88"
(73.2)
DIA.

2.04"
(51.8)
DIA.

R. 1.25"
(31.8)

120° TYP.

HBL2346

Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.	**HBL3726**	**HBL2346**	**HBL2356**	**HBL2366**

Note: See page B-54 for accessories.
Only receptacles and plugs up to 480V AC are HP rated.
HP ratings are AC only.

Dimensions in Inches (mm)   *Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

Twist-Lock® Devices

20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 4 Wire, Non-Grounding

IP20 SUITABILITY

		20A 3ØY 120/208V AC NEMA L18-20P 2 HP	20A 277/480V AC NEMA L19-20P 5 HP	20A 347/600V AC NEMA L20-20P

Plugs

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2441	HBL2451	HBL2461

Note: See page B-54 for accessories.

HBL2441

2.75" (69.9) · 2.33" (59.2) DIA. · 2.21" (56.1) DIA.

Flanged Inlets

Description	Catalog Number		
Nylon casing, back wired.	HBL2445	HBL2455	HBL2465

Note: See page B-54 for accessories.

HBL2445

3X .19" (4.8) DIA. · 2.27" (57.7) · 3.06" (77.7) DIA. · 2.23" (56.6) DIA. · R. 1.34" (34.0) · 120° TYP.

IP20 SUITABILITY

		20A 3ØY 120/208V AC NEMA L18-20R 2 HP	20A 277/480V AC NEMA L19-20R 5 HP	20A 347/600V AC NEMA L20-20R

Connector Bodies

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2443	HBL2453	HBL2463

Note: See page B-54 for accessories.

HBL2443

3.86" (98.0) · 2.33" (59.2) DIA. · 2.21" (56.1) DIA.

Single Flush Receptacles

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2440	HBL2450	HBL2460

Note: See page B-54 for accessories.

Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2446	HBL2456	HBL2466

Note: See page B-54 for accessories.
See page B-71 for technical information.
See page B-41 for switched enclosure.
See page B-44 for Add-A-Shroud® kit. For use with connector bodies.
Only receptacles and plugs up to 480V AC are HP rated.
HP ratings are AC only.

HBL2440

1.70" (43.2) · 2X #6-32 TAP · 2.67" (67.8) · 1.56" (39.6) DIA. · 3.28" (83.3) · 2.38" (60.5) · .98" (24.9)

HBL2446

3X .19" (4.8) DIA. · 2.27" (57.7) · 3.06" (77.7) DIA. · 2.23" (56.6) DIA. · R. 1.34" (34.0) · 120° TYP.

Dimensions in Inches (mm)

20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire, Grounding

HBL2511SW

4.40" (111.8)
2.94" (74.7) DIA.

HBL2511S

4.21" (106.9)
2.33" (59.2) DIA.
2.23" (56.6) DIA.

HBL2511

2.75" (69.9)
2.33" (59.2) DIA.
2.21" (56.1) DIA.

HBL2515SW

2.28" (57.9)
3.75" (95.3) S.Q.
3.13" (79.5) S.Q.
1.81" (46.0)

HBL2515

3X .19" (4.8) DIA.
2.27" (57.7)
3.06" (77.7) DIA.
2.23" (56.6) DIA.
R. 1.34" (34.0)
120° TYP.

Dimensions in Inches (mm)

Plugs

		20A 3ØY 120/208V AC NEMA L21-20P 2 HP	20A 3ØY 277/480V AC NEMA L22-20P 5 HP	20A 3ØY 347/600V AC NEMA L23-20P
Watertight Safety-Shroud®		IP66 SUITABILITY	UL Type 4x, 12	
Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2511SW**	–	–
Safety-Shroud®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2511S**	–	–

Note: See page B-42 for accessories.

Insulgrip®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2511**	**HBL2521**	**HBL2531**
All black nylon.	.350"-1.150" (9-29)	**HBL2511BK**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL25CM11**	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2511FC**	–	–

Note: See page B-54 for accessories.

Flanged Inlets

Watertight Safety-Shroud®	IP66 SUITABILITY	UL Type 4x, 12	
Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2515SW**	–	–

Note: See page B-54 for accessories.

Insulgrip®	IP20 SUITABILITY		
Description	Catalog Number		
Nylon casing, back wired.	**HBL2515**	**HBL2525**	**HBL2535**

Note: See page B-54 for accessories.
See pages B-71 and B-72 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

Twist-Lock® 3-Phase Circuit Tester

Description	Rating	Catalog Number		
3-Phase Circuit Tester	3Ø 120/208V AC Min. Voltage: 90V AC	**HBL3PT2511**	–	–

Note: Testers in other NEMA configurations can be developed upon request.
See page B-55 for additional circuit testers.

HBL3PT2511

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-43.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire, Grounding

	20A 3ØY 120/208V AC NEMA L21-20R 2 HP	20A 3ØY 277/480V AC NEMA L22-20R 5 HP	20A 3ØY 347/600V AC NEMA L23-20R

Connector Bodies

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2513SW**	–	–

HBL2513SW

Insulgrip®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2513**	**HBL2523**	**HBL2533**
All black nylon.	.350"-1.150" (9-29)	**HBL2513BK**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL25CM13**	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2513FC**	–	–

Note: See page B-54 for accessories.

HBL2513

Receptacles

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	**HBL2510SW**	–	–

Note: See page B-56 for accessories.

Safety-Shroud® Twist-Lock®   IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	**HBL2510AR**	–	–
Gray Valox® surface mounting, one gang, back wired.	**HBL2510SR**	–	–
Gray Valox® semi-flush, two gang, back wired.	**HBL2510SR2**	–	–

HBL2510SW

Single Flush Receptacles   IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2510**	**HBL2520***	**HBL2530***
Isolated ground, orange nylon face, back and side wired.	**IG2510**	–	–

Note: See page B-54 for accessories.
    *Not Fed Spec.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	**HBL2516**	**HBL2526**	**HBL2536**

Note: See page B-54 for accessories.

HBL2510AR

HBL2516

HBL2510

HBL2510SR2

HBL2510SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding

	30A 125V NEMA L5-30P 2 HP	30A 250V NEMA L6-30P 2 HP	30A 277V AC NEMA L7-30P 3 HP

HBL2611SW

HBL2621S

HBL2621

HBL2611VY

HBL2615SW

HBL2625

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.325"-.930" (9-24)	HBL2611SW	HBL2621SW	–

Safety-Shroud®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"-.930" (9-24)	HBL2611S	HBL2621S	–

Note: See page B-42 for accessories.

Insulgrip®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	HBL2611	HBL2621	HBL2631
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	HBL2611F	HBL2621F	–
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL26CM11	HBL26CM21	–
All black nylon.	.360"-.930" (9-24)	HBL2611BK	HBL2621BK	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	–	HBL2621EBK	–

Note: See page B-54 for accessories.

Valise®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"-.930" (15.0-23.6)	HBL2611VY	HBL2621VY	–
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	HBL26CM11V	–	–
Black nylon.	.590"-.930" (15.0-23.6)	HBL2611VBK	HBL2621VBK	–

Note: See page B-55 for accessories.

Flanged Inlets

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	HBL2615SW	HBL2625SW	–
Reverse service, gray Valox® housing and flange (use with HBL2613SR), (Not shown).	HBL2615SWR	–	–

Note: See page B-56 for accessories.

Insulgrip®   IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	HBL2615	HBL2625	HBL2635
Heat stabilized, gray nylon, 220° F (104° C).	HBL2615F	HBL2625F	–
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.	HBL2615M3	–	–

Note: See page B-54 for accessories.

Dimensions in Inches (mm)   Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding

HBL2613SW

Connector Bodies

		30A 125V NEMA L5-30R 2 HP	30A 250V NEMA L6-30R 2 HP	30A 277V AC NEMA L7-30R 3 HP
Watertight Safety-Shroud®		IP66 SUITABILITY	UL Type 4x, 12	
Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	HBL2613SW	HBL2623SW	–
Reverse service, black Valox® housing, white Valox® clamps (use with HBL2615SWR), (Not shown).	.360"-.930" (9-24)	HBL2613SR	–	–
Insulgrip®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	HBL2613	HBL2623	HBL2633
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	HBL2613F	HBL2623F	–
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL26CM13	HBL26CM23	–
All black nylon.	.360"-.930" (9-24)	HBL2613BK	HBL2623BK	–

Note: See page B-54 for accessories.

HBL2623

Valise®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"-.930" (15.0-23.6)	HBL2613VY	HBL2623VY	–
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	HBL26CM13V	–	–
Black nylon.	.590"-.930" (15.0-23.6)	HBL2613VBK	HBL2623VBK	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	–	HBL2623EBK	–

Note: See page B-55 for accessories.

HBL2613VY

Receptacles

Watertight Safety-Shroud®	IP66 SUITABILITY	UL Type 4x, 12	
Description	Catalog Number		
Gray Valox® housing and flange, back wired.	HBL2610SW	HBL2620SW	–

Note: See page B-56 for accessories.

Safety-Shroud® Twist-Lock®	IP20 SUITABILITY		
Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	HBL2610AR	HBL2620AR	–
Gray Valox® surface mounting, one gang, back wired.	HBL2610SR	HBL2620SR	–
Gray Valox® semi-flush, two gang, back wired.	HBL2610SR2	HBL2620SR2	–

HBL2610SW

Single Flush Receptacles	IP20 SUITABILITY		
Description	Catalog Number		
Black nylon face, back and side wired.	HBL2610	HBL2620	HBL2630
Black nylon face, spring terminals.	HBL2610ST	HBL2620ST	–
Blue nylon face, back and side wired.	HBL2610M6	HBL2620M6	–
Isolated ground, orange nylon face, back and side wired.	IG2610	IG2620	–
Corrosion resistant, yellow nylon face, back and side wired.	HBL26CM10	HBL26CM20	–
Ring terminal connection.	HBL2610RT	HBL2620RT	–

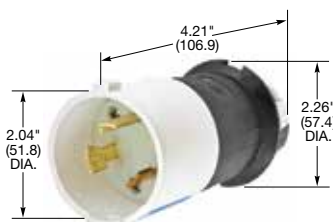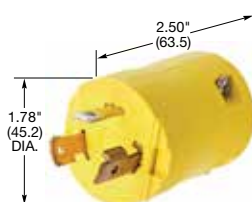*Note: See page B-54 for accessories.*

HBL2610ST

Insulgrip® Flanged Receptacles			
Description	Catalog Number		
Nylon casing, back wired.	HBL2616	HBL2626	HBL2636
Heat stabilized, gray nylon, 220° F (104° C).	HBL2616F	HBL2626F	–

Note: See page B-54 for accessories.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HBL2620SR

Dimensions in Inches (mm)

30 Amp, 125/250 and 3Ø 250 Volts AC
3 Pole, 3 Wire, Non-Grounding and 3 Pole, 4 Wire, Grounding

		30A 125/250V AC NEMA L10-30P	30A 125/250V AC NEMA L14-30P 2 (2) HP	30A 3Ø 250V AC NEMA L15-30P 3 HP

Plugs

Watertight Safety-Shroud® IP66 SUITABILITY UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	–	**HBL2711SW**	**HBL2721SW**

Safety-Shroud® IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	–	**HBL2711S**	**HBL2721S**

Note: See page B-42 for accessories.

Insulgrip® IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	–	**HBL2711**	**HBL2721**
Black and white nylon, (Not shown).	.300"-.950" (7.6-24.1)	**HBL2661**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	–	**HBL27CM11**	**HBL27CM21**
All black nylon.	.350"-1.150" (9-29)	–	**HBL2711BK**	–

Note: See page B-54 for accessories.

Flanged Inlets

Watertight Safety-Shroud® IP66 SUITABILITY UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	–	**HBL2715SW**	**HBL2725SW**
Reverse service, gray Valox® housing and flange (use with HBL2713SR), (Not shown).	–	**HBL2715SWR**	–

Note: See page B-56 for accessories.

Insulgrip® IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	–	**HBL2715**	**HBL2725**
Nylon casing, back wired, (Not shown).	**HBL2665**	–	–
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.	–	**HBL2715M3**	–

Note: See page B-54 for accessories.
See pages B-71 and B-72 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

4.40" (111.8)
2.94" (74.7) DIA.

HBL2711SW

4.21" (106.9)
2.23" (56.6) DIA.
2.33" (59.2) DIA.

HBL2711S

2.75" (69.9)
2.21" (56.1) DIA.
2.33" (59.2) DIA.

HBL2711

2.44" (62.0)
3.75" (95.3) S.Q. 3.13" (79.5) S.Q.
1.81" (46.0)

HBL2715SW

3X .19" (4.8) DIA.
2.27" (57.7)
3.06" (77.7) DIA.
2.23" (56.6) DIA.
R. 1.34" (34.0)
120° TYP.

HBL2715

.87" (22.1)
1.47" (37.3)
4.56" (115.8)
2.82" (71.6)

HBL2715M3

HBLMITL - For use with Watertight Safety-Shroud receptacles and reverse service inlet, see page B-43.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30 Amp, 125/250 and 3Ø 250 Volts AC
3 Pole, 3 Wire, Non-Grounding and
3 Pole, 4 Wire, Grounding

Connector Bodies

		30A 125/250V AC NEMA L10-30R	30A 125/250V AC NEMA L14-30R 2 (2) HP	30A 3Ø 250V AC NEMA L15-30R 3 HP

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	–	HBL2713SW	HBL2723SW
Reverse service, black Valox® housing, white Valox® clamps (use with HBL2715SWR), (Not shown).	.350"-1.150" (9-29)	–	HBL2713SR	–

Insulgrip®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	–	HBL2713	HBL2723
Black and white nylon, (Not shown).	.300"-.950" (7.6-24.1)	HBL2663	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	–	HBL27CM13	HBL27CM23
All black nylon.	.350"-1.150" (9-29)	–	HBL2713BK	–

Note: See page B-54 for accessories.

Receptacles

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	–	HBL2710SW	HBL2720SW

Note: See page B-56 for accessories.

Safety-Shroud® Twist-Lock®   IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	–	HBL2710AR	HBL2720AR
Gray Valox® surface mounting, one gang, back wired.	–	HBL2710SR	HBL2720SR
Gray Valox® semi-flush, two gang, back wired.	–	HBL2710SR2	HBL2720SR2

Single Flush Receptacles   IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	–	HBL2710	HBL2720
Black nylon face, back and side wired, (Not shown).	HBL2660	–	–
Isolated ground, orange nylon face, back and side wired.	–	IG2710	IG2720
Ring terminal connection.	–	HBL2710RT	HBL2720RT

Note: See page B-54 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	–	HBL2716	HBL2726

Note: See page B-54 for accessories.

HBL2713SW

HBL2713

HBL2710SW

HBL2710AR

HBL2716

HBL2710

HBL2710SR2

HBL2710SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.   Dimensions in Inches (mm)

30 Amp, 3Ø 480 and 3Ø 600 Volts AC
3 Pole, 4 Wire, Grounding

HBL2731SW

HBL2731S

HBL2731

HBL2735SW

	30A 3Ø 480V AC NEMA L16-30P 10 HP	30A 3Ø 600V AC NEMA L17-30P

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number	
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2731SW**	**HBL2741SW**

Safety-Shroud®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2731S**	**HBL2741S**

Note: See page B-42 for accessories.

Insulgrip®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL2731**	**HBL2741**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL27CM31**	**HBL27CM41**

Note: See page B-54 for accessories.

Flanged Inlets

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number	
Gray Valox® housing and flange.	**HBL2735SW**	**HBL2745SW**

Note: See page B-56 for accessories.

Insulgrip®   IP20 SUITABILITY

Description	Catalog Number	
Nylon casing, back wired.	**HBL2735**	**HBL2745**

Note: See page B-54 for accessories.
See pages B-71 and B-72 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-43.

HBL2735

Dimensions in Inches (mm)   *Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

Twist-Lock® Devices

30 Amp, 3Ø 480 and 3Ø 600 Volts AC
3 Pole, 4 Wire, Grounding

30A 3Ø 480V AC NEMA L16-30R 10 HP	30A 3Ø 600V AC NEMA L17-30R

Connector Bodies

Watertight Safety-Shroud®
IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number	
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2733SW**	**HBL2743SW**

Insulgrip®
IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL2733**	**HBL2743**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL27CM33**	**HBL27CM43**

Note: See page B-54 for accessories.

HBL2733SW

HBL2733

Receptacles

Watertight Safety-Shroud®
IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number	
Gray Valox® housing and flange, back wired.	**HBL2730SW**	**HBL2740SW**

Note: See page B-56 for accessories.

Safety-Shroud® Twist-Lock®
IP20 SUITABILITY

Description	Catalog Number	
Gray Valox® angle housing, one gang, back wired.	**HBL2730AR**	**HBL2740AR**
Gray Valox® surface mounting, one gang, back wired.	**HBL2730SR**	**HBL2740SR**
Gray Valox® semi-flush, two gang, back wired.	**HBL2730SR2**	**HBL2740SR2**

Single Flush Receptacles
IP20 SUITABILITY

Description	Catalog Number	
Black nylon face, back and side wired.	**HBL2730**	**HBL2740**

Note: See page B-54 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**HBL2736**	**HBL2746**

Note: See page B-54 for accessories.
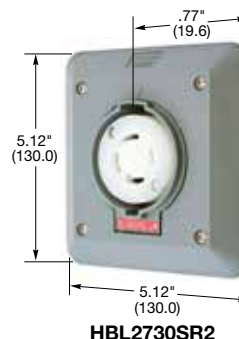

HBL2730SW

HBL2730AR

HBL2736

HBL2730

HBL2730SR2

HBL2730SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

UL CSA F UL S
Fed.Spec.

30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire, Grounding

30A 3ØY 120/208V AC NEMA L21-30P 3 HP	30A 3ØY 240/415V AC NEMA L26-30P	30A 3ØY 277/480V AC NEMA L22-30P 10 HP	30A 3ØY 347/600V AC NEMA L23-30P

4.40"
(111.8)

2.94"
(74.7)
DIA.

HBL2811SW

Plugs

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2811SW**	**HBL2801**	**HBL2821SW**	**HBL2831SW**

Safety-Shroud®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2811S**	–	–	–

Note: See page B-54 for accessories.

Insulgrip®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon.	.350"-1.150" (9-29)	**HBL2811**	–	**HBL2821**	**HBL2831**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL28CM11**	–	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2811FC**	–	–	–
All black nylon.	.350"-1.150" (9-29)	**HBL2811BK**	–	–	–

Note: See page B-54 for accessories.

4.21"
(106.9)

2.23"
(56.6)
DIA.

2.33"
(59.2)
DIA.

HBL2811S

2.75"
(69.9)

2.21"
(56.1)
DIA.

2.33"
(59.2)
DIA.

HBL2811

Flanged Inlets

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number			
Gray Valox® housing and flange.	**HBL2815SW**	**HBL2805**	–	–

Note: See page B-56 for accessories.

Insulgrip®   IP20 SUITABILITY

Description	Catalog Number			
Nylon casing, back wired.	**HBL2815**	–	**HBL2825**	**HBL2835**

Note: See page B-54 for accessories.
See pages B-71 and B-72 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

2.44"
(62.0)

3.75"
(95.3)
S.Q.

3.13"
(79.5)
S.Q.

1.81"
(46.0)

HBL2815SW

Twist-Lock® 3-Phase Circuit Tester   UL

Description	Rating	Catalog Number			
3-Phase Circuit Tester	3Ø 120/208V AC Min. Voltage: 90V AC	**HBL3PT2811**	–	–	–

Note: Testers in other NEMA configurations can be developed upon request.
See page B-55 for additional circuit testers.

3X .19" (4.8) DIA.

2.27"
(57.7)

3.06"
(77.7)
DIA.

2.23"
(56.6)
DIA.

R. 1.34"
(34.0)

120° TYP.

HBL2815

HBL3PT2811

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-43.

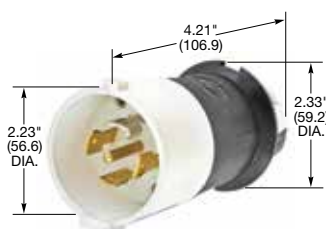*Dimensions in Inches (mm)*   *Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

UL CSA F UL S
Fed.Spec.

30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire, Grounding

	30A 3ØY 120/208V AC NEMA L21-30R 3 HP	30A 3ØY 240/415V AC NEMA L26-30R	30A 3ØY 277/480V AC NEMA L22-30R 10 HP	30A 3ØY 347/600V AC NEMA L23-30R

Connector Bodies

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	HBL2813SW	HBL2803	HBL2823SW	–

Insulgrip®   IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon.	.350"-1.150" (9-29)	HBL2813	–	HBL2823	HBL2833
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL28CM13	–	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	HBL2813FC	–	–	–
All black nylon.	.350"-1.150" (9-29)	HBL2813BK	–	–	–

Note: See page B-54 for accessories.

HBL2813SW

4.40" (111.8)
2.75" (69.9) DIA.

HBL2813

3.86" (98.0)
2.33" (59.2) DIA.
2.21" (56.1) DIA.

Receptacles

Watertight Safety-Shroud®   IP66 SUITABILITY   UL Type 4x, 12

Description	Catalog Number			
Gray Valox® housing and flange, back wired.	HBL2810SW	–	HBL2820SW	HBL2830SW

Note: See page B-56 for accessories.

Safety-Shroud® Twist-Lock®   IP20 SUITABILITY

Description	Catalog Number			
Gray Valox® angle housing, one gang, back wired.	HBL2810AR	–	–	–
Gray Valox® surface mounting, one gang, back wired.	HBL2810SR	–	–	–
Gray Valox® semi-flush, two gang, back wired.	HBL2810SR2	–	–	–

Single Flush Receptacles   IP20 SUITABILITY

Description	Catalog Number			
Black nylon face, back and side wired.	HBL2810	HBL2800	HBL2820	HBL2830
Isolated ground, orange nylon face, back and side wired.	IG2810	–	–	–
Ring terminal connection.	HBL2810RT	–	–	–

Note: See page B-54 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.	HBL2816	–	HBL2826	HBL2836

Note: See page B-54 for accessories.

HBL2810SW

3.75" (95.3) S.Q.
1.75" (44.5)
2X 3.12" (79.2)

HBL2810AR

4.58" (116.3)
3.14" (79.8)
2.85" (72.4)

HBL2810SR

1.71" (43.4)
4.56" (115.8)
2.84" (72.1)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 4 Wire, Non-Grounding

HBL2751

HBL2755

HBL2753

HBL2750

HBL2756

Dimensions in Inches (mm)

IP20
SUITABILITY

	30A 3ØY 120/208V AC NEMA L18-30P 3 HP	30A 3ØY 277/480V AC NEMA L19-30P 10 HP	30A 3ØY 347/600V AC NEMA L20-30P

Plugs

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2751**	**HBL2761**	**HBL2771**

Note: See page B-55 for accessories.

Flanged Inlets

Description		Catalog Number		
Nylon casing, back wired.		**HBL2755**	**HBL2765**	**HBL2775**

Note: See page B-54 for accessories.

IP20
SUITABILITY

	30A 3ØY 120/208V AC NEMA L18-30R 3 HP	30A 3ØY 277/480V AC NEMA L19-30R 10 HP	30A 3ØY 347/600V AC NEMA L20-30R

Connector Bodies

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2753**	**HBL2763**	**HBL2773**

Note: See page B-54 for accessories.

Single Flush Receptacles

Description		Catalog Number		
Black nylon face, back and side wired.		**HBL2750**	**HBL2760**	**HBL2770**

Note: See page B-54 for accessories.

Flanged Receptacles

Description		Catalog Number		
Nylon casing, back wired.		**HBL2756**	**HBL2766**	**HBL2776**

Note: See page B-54 for accessories.
See page B-71 for technical information on Twist-Lock devices.

30 Amp, 480 and 600 Volts AC
2 Pole, 3 Wire, Grounding

IP20
SUITABILITY

	30A 240V AC NEMA L25-30P	30A 480V AC NEMA L8-30P 5 HP	30A 600V AC NEMA L9-30P

Plugs

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.325"-.930" (8.25-24)	HBL2601	HBL2641	HBL2651

Note: See page B-54 for accessories.

2.75" (69.9)
2.26" (57.4) DIA.
1.97" (50.0) DIA.

HBL2651

Flanged Inlets

Description	Catalog Number		
Nylon casing, back wired.	HBL2605	HBL2645	HBL2655

Note: See page B-54 for accessories.

3X .19" (4.8) DIA.
2.09" (53.1)
2.88" (73.2) DIA.
2.04" (51.8) DIA.
R. 1.25" (31.8)
120° TYP.

HBL2655

IP20
SUITABILITY

	30A 240V AC NEMA L25-30R	30A 480V AC NEMA L8-30R 5 HP	30A 600V AC NEMA L9-30R

Connector Bodies

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.325"-.930" (8.25-24)	HBL2603	HBL2643	HBL2653

Note: See page B-54 for accessories.

3.86" (98.0)
2.26" (57.4) DIA.
1.97" (50.0) DIA.

HBL2653

Single Flush Receptacles

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2600	HBL2640	HBL2650

Note: See page B-54 for accessories.

Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	–	HBL2646	HBL2656

Note: See page B-54 for accessories.
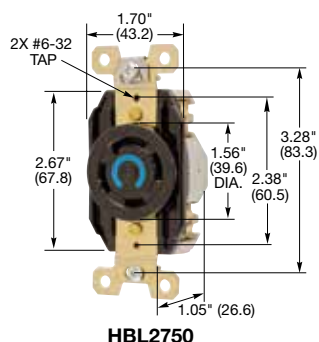   *See page B-71 for technical information on Twist-Lock devices.*
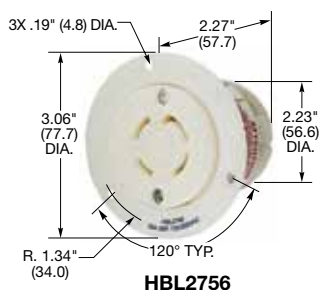
2X #6-32 TAP
1.70" (43.2)
2.67" (67.8)
1.56" (39.6) DIA.
3.28" (83.3)
2.38" (60.5)
1.05" (26.6)

HBL2650

3X .19" (4.8) DIA.
2.09" (53.1)
2.88" (73.2) DIA.
2.04" (51.8) DIA.
R. 1.25" (31.8)
120° TYP.

HBL2656

Dimensions in Inches (mm)

Twist-Lock® Devices

Features and Benefits

Switched Safety Enclosures

The Switched Twist-Lock® and Hubbellock® Enclosures integrate a receptacle and a switch to produce distinct advantages for the user. This enclosure replaces box, switch, cover and all in a compact design that meets Type 3R Rainproof or 12K Dust-tight requirements.

The receptacle is angled downward for a low profile, and it maintains a low profile while accommodating either a 20 or 30 Amp Twist-Lock receptacle or 30 Amp, 4 wire Hubbellock receptacle. The enclosure can be used in top, bottom or back feed applications. The handle is designed to be locked in the OFF position for lockout protection.

Hubbell has developed the Switched Safety Enclosure because users want to be able to disconnect higher voltage devices confidently. Hubbell responded with a line of Switched Safety Enclosures for Twist-Lock and Hubbellock receptacles.

The provision of the integral switch and the receptacle in a compact, non-metallic enclosure encourages the safe operating practice of disconnecting at the switch rather than the plug and receptacle.

For plants and factories in a wide variety of industries, as well as light industrial facilities, Hubbell's Switched Enclosures offer an upgrade that's convenient, compact and easy to install.

Housing Design
- Angled 20 or 30 amp Hubbell Twist-Lock receptacle provides low profile and helps control cable arc of bend
- Large receptacle gasketless door and hinge assembly
- Enclosure back is designed for top, bottom or back feed options

Internal Design
- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch

Safety
- Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements

Wiring
- Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components

Installation
- Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

HUBBELL® Wiring Device-Kellems

Twist-Lock® Devices

Switched Twist-Lock® and Hubbellock® Enclosures

UL Listed, CSA Certified
Type 3R and 12K Enclosure Rating

IP54
SUITABILITY

Switched Enclosure Ready for Twist-Lock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept any Hubbell 20 or 30A Twist-Lock receptacle.

Description	Ratings	Catalog Number
Switched Twist-Lock enclosure accommodates any NEMA 2 pole, 3 wire to 4 pole, 5 wire grounding receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the NEMA 20 or 30A Twist-Lock receptacle selected.	**SETL3**
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

4.88"
(124.0)

11.38"
(289.1)

4.5"
(114.3)

SETL3

Switched Enclosure Complete with Twist-Lock® Receptacle

Completely pre-wired with a Twist-Lock receptacle, these application oriented combinations are available to satisfy your needs.

Description	Amps	Voltage	NEMA Config.	Horsepower	Switched Enclosure	Use Twist-Lock Plug
Switched Twist-Lock enclosure with a pre-wired HBL2720 receptacle.	30	3Ø 240V AC	L15-30R	3	**SE2720A**	**HBL2721**
Switched Twist-Lock enclosure with a pre-wired HBL2730 receptacle.	30	3Ø 480V AC	L16-30R	10	**SE2730A**	**HBL2731**

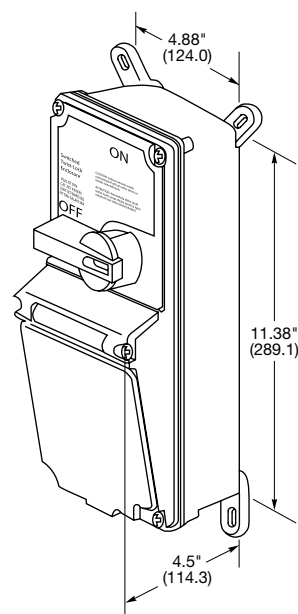### Switched Enclosure Ready for Hubbellock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept your 30A, 4 wire Hubbellock receptacle choice.

Description	Ratings	Catalog Number
Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the 4 wire Hubbellock receptacle selected.	**SEHBL3**
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

SE2720A

HBLAC1

HBLAC2

Replacement Mounting Feet

Description	Catalog Number
For 30A switches.	**HBLRFT1**△

Note: △ Package of 10 feet and 10 screws.
See page B-74 for technical information on Switched Safety Enclosures.

HBLRFT1

Dimensions in Inches (mm)

Twist-Lock® Devices

Features and Benefits

Mechanical Interlock Switched Safety Enclosures

Hubbell offers the only mechanical interlock for Twist-Lock®. This new, unfused mechanical interlock for Watertight Safety-Shroud® Twist-Lock® integrates a watertight receptacle with a linked disconnect switch to provide a mechanically interlocked receptacle. This virtually eliminates the possibility of making or breaking the circuit while under load or making a casual or "lazy" connection.

The switch cannot be turned ON until the plug is properly inserted and locked, and the plug cannot be removed until the switch is turned OFF. All these protective features are included in a compact Type 4X hose-directed water and corrosion resistant enclosure that allows for top, bottom or back feed options.

The non-metallic enclosure is nonconductive, yet has an internal frame to assure ground continuity with metallic conduit.

In addition, this interlock works with all Safety-Shroud Twist-Lock Plugs. The new unfused mechanical interlock for Watertight Safety-Shroud Twist-Lock can be locked out as a method of compliance with OSHA lockout/tagout regulations.

Housing Design
- Angled 20 or 30 amp Hubbell Watertight Safety-Shroud Twist-Lock receptacle provides watertight, low profile and mechanical interlock capabilities (ordered separately)
- Enclosure back is designed for top, bottom or back feed options

Internal Design
- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch

Safety
- Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements
- Heavy duty interlock linkage prevents make and break under load

Wiring
- Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components, while speeding installation by making it easier to pull conductors

Installation
- Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

HUBBELL® Wiring Device-Kellems

Twist-Lock® Devices

Mechanical Interlock Switched Safety Enclosures

UL Listed, CSA Certified TYPE 4, 4X and TYPE 12K Enclosure Rating

IP66
SUITABILITY

3.19" (81.0)
4.88" (124.0)
11.44" (290.6)
4.19" (106.4)

Mechanical Interlock Ready for Twist-Lock® Receptacle Addition

This unit is a complete enclosure ready to accept any 20 or 30A Watertight Safety-Shroud Twist-Lock Receptacle.

Description	Ratings	Catalog Number
Mechanical Interlock accommodates 20A or 30A Watertight Safety-Shroud Twist-Lock receptacles.	Amperage and voltage ratings will be determined by the choice of the Watertight Safety-Shroud Twist-Lock selected. Supplied with ¾" NPT Hub.	**HBLMITL**

HBLMITL

Accepts the following Watertight Safety-Shroud® Twist-Lock® Receptacles:
20 Amp

Rating	Voltage AC	NEMA Config.	Max. HP Rating*	Receptacle Catalog Number	Use Watertight Safety-Shroud Twist-Lock Plug
2 Pole, 3 Wire	120	L5-20	1	**HBL2310SW**	**HBL2311SW**
	208-240	L6-20	2.5	**HBL2320SW**	**HBL2321SW**
	277	L7-20	3	**HBL2330SW**	**HBL2331SW**
3 Pole, 4 Wire	120/240	L14-20	2.5	**HBL2410SW**	**HBL2411SW**
	240 3Ø	L15-20	5 (3@208V)	**HBL2420SW**	**HBL2421SW**
	480 3Ø	L16-20	10	**HBL2430SW**	**HBL2431SW**
4 Pole, 5 Wire	120/208 3ØY	L21-20	3	**HBL2510SW**	**HBL2511SW**

30 Amp

2 Pole, 3 Wire	120	L5-30	1	**HBL2610SW**	**HBL2611SW**
	208-240	L6-30	3	**HBL2620SW**	**HBL2621SW**
3 Pole, 4 Wire	120/240	L14-30	3	**HBL2710SW**	**HBL2711SW**
	240 3Ø	L15-30	7.5	**HBL2720SW**	**HBL2721SW**
	480 3Ø	L16-30	15	**HBL2730SW**	**HBL2731SW**
	600 3Ø	L17-30	15	**HBL2740SW**	**HBL2741SW**
4 Pole, 5 Wire	120/208 3ØY	L21-30	7.5	**HBL2810SW**	**HBL2811SW**
	277/480	L22-30	7.5	**HBL2820SW**	**HBL2821SW**
	347/600	L23-30	7.5	**HBL2830SW**	**HBL2831SW**

30 Amp Reverse Service

2 Pole, 3 Wire	120	L5-30	1	**HBL2615SWR**	**HBL2613SR**
3 Pole, 4 Wire	120/240	L14-30	3	**HBL2715SWR**	**HBL2713SR**
3 Pole, 4 Wire	240 3Ø	L15-30	7.5	**HBL2725SWR**	**HBL2723SR**

HBL2620SW

HBL2713SR

Auxiliary Contacts

Description	Ratings	Catalog Number
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

HBLAC1

HBLAC2

Replacement Parts

Description	Catalog Number
Ground block.	**HBL30RGB**
Neutral block.	**HBL30RNB**
Replacement switch.	**HBLDS3RS**

HBL30RGB

HBL30RNB

Replacement Mounting Feet

Description	Catalog Number
For 30A switches.	**HBLRFT1**Δ

*Note: *HP ratings for the final unit are determined by the HP rating of the switch, limited by the full load current capability of the receptacle at 80% of rated current, number of phases and line voltage. HP ratings listed above are AC only.*
ΔPackage of 10 feet and 10 screws.
See page B-75 for technical information on Mechanical Interlock Enclosures.

HBLRFT1

Dimensions in Inches (mm)

ADD-A-SHROUD® and Adapters

Safety-Shroud® Twist-Lock® – 20 and 30 Amp

The Add-A-Shroud® devices allow conversion of existing 20A and 30A 3 to 5 wire Hubbell Insulgrip® Twist-Lock devices to a Safety-Shroud Twist-Lock plug. These devices provide a convenient and cost-effective way to convert existing Hubbell Insulgrip Twist-Lock plugs to Safety-Shroud Twist-Lock plugs. The Safety-Shroud Twist-Lock plug permits engagement with the Hubbell Mechanical Interlock Enclosure which virtually prevents make and break under load.

Add-A-Shroud® Catalog Number HBLSS3

For conversion of all 3 wire Hubbell Insulgrip Twist-Lock Devices.

Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 2 Pole 3 Wire Grounding	125V	L5-20	**HBL2311**	**HBLSS3**
	250V	L6-20	**HBL2321**	**HBLSS3**
	277V AC	L7-20	**HBL2331**	**HBLSS3**
	480V AC	L8-20	**HBL2341**	**HBLSS3**
	600V AC	L9-20	**HBL2351**	**HBLSS3**
30A, 2 Pole 3 Wire Grounding	125V	L5-30	**HBL2611**	**HBLSS3**
	250V	L6-30	**HBL2621**	**HBLSS3**
	277V AC	L7-30	**HBL2631**	**HBLSS3**
	480V AC	L8-30	**HBL2641**	**HBLSS3**
	600V AC	L9-30	**HBL2651**	**HBLSS3**

HBLSS3

Add-A-Shroud® Catalog Number HBLSS45

For conversion of all 4 and 5 wire Hubbell Insulgrip Twist-Lock Devices.

Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 3 Pole 4 Wire Grounding	125/250V AC	L14-20	**HBL2411**	**HBLSS45**
	3Ø 250V AC	L15-20	**HBL2421**	**HBLSS45**
	3Ø 480V AC	L16-20	**HBL2431**	**HBLSS45**
30A, 3 Pole 4 Wire Grounding	125/250V AC	L14-30	**HBL2711**	**HBLSS45**
	3Ø 250V AC	L15-30	**HBL2721**	**HBLSS45**
	3Ø 480V AC	L16-30	**HBL2731**	**HBLSS45**
	3Ø 600V AC	L17-30	**HBL2741**	**HBLSS45**
20A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-20	**HBL2511**	**HBLSS45**
	3ØY 277/480V AC	L22-20	**HBL2521**	**HBLSS45**
	3ØY 347/600V AC	L23-20	**HBL2531**	**HBLSS45**
30A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-30	**HBL2811**	**HBLSS45**
	3ØY 277/480V AC	L22-30	**HBL2821**	**HBLSS45**
	3ØY 347/600V AC	L23-30	**HBL2831**	**HBLSS45**

HBLSS45

Watertight Safety Shroud - Deluxe Cord Grip and Metallic Liquidtight Conduit Fitting Adapters

Adapter for Use with ¾" NPT Fittings

Description	Cord Dia.	Catalog Number
3 Wire, Anodized Aluminum	.250" - .750"	**WTSS234**
3 Wire, Stainless Steel	.250" - .750"	**WTSS234SS**
4 and 5 Wire, Anodized Aluminum	.250" - .750"	**WTSS334**
4 and 5 Wire, Stainless Steel	.250" - .750"	**WTSS334SS**

Adapter for Use with 1" NPT Fittings

Description	Cord Dia.	Catalog Number
4 and 5 Wire, Anodized Aluminum	.375" - 1.00"	**WTSS310**
4 and 5 Wire, Stainless Steel	.375" - 1.00"	**WTSS310SS**

WTSS234

WTSS234SS
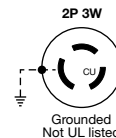
WTSS310

WTSS310SS

Twist-Lock® Devices

Non-NEMA 10 Amp, 250 Volts, 15 Amp 125 Volts
3 Pole, 3 Wire, Non-Grounding and
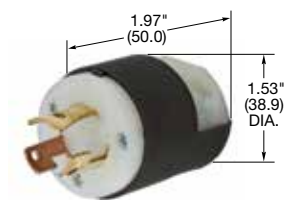## 2 Pole, 3 Wire, Grounding

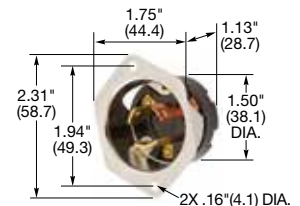For Replacement Use Only

IP20
SUITABILITY

3P 3W
CU
Not Grounded
Not UL listed

2P 3W
CU
Grounded
Not UL listed

1.97"
(50.0)

1.53"
(38.9)
DIA.

HBL7567C

Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7567C**	–
Yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7567CY**	–

Note: See page B-53 for accessories.

Flanged Inlets

1.75"
(44.4)

1.13"
(28.7)

2.31"
(58.7)

1.94"
(49.3)

1.50"
(38.1)
DIA.

2X .16"(4.1) DIA.

HBL7556

Description	Catalog Number	
Stainless steel casing.	**HBL7556**	**HBL7556G**

For Replacement Use Only

IP20
SUITABILITY

3P 3W
CU
Not Grounded
Not UL listed

2P 3W
CU
Grounded
Not UL listed
GR

2.78"
(70.6)

1.53"
(38.9)
DIA.

1.41"
(35.8)
DIA.

HBL7565C

Connector Bodies

Description	Cord Dia.	Catalog Number	
Insulgrip connector, black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7565C**	–
Insulgrip connector, yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7565CY**	–
Black phenolic.	.296"-.625" (7.5-15.9)	**HBL7555**	**HBL7555G**

Note: See page B-53 for accessories.

Receptacles

1.70"
(43.2)

3.28"
(83.3)

2.74"
(69.5)

HBL7580

Description	Catalog Number	
Duplex, black RTP*, back and side wired.	**HBL7580**	**HBL7580G**
Single, black phenolic, back and side wired.	**HBL7582**	**HBL7582G**

Note: See page B-52 for accessories.

Flanged Receptacles

1.75"
(44.4)

1.34"
(34.0)

2.31"
(58.7)

1.94"
(49.3)

1.50"
(38.1)
DIA.

2X .16"(4.1) DIA.

HBL7557

Description	Catalog Number	
Stainless steel casing.	**HBL7557**	**HBL7557G**

*Note: *RTP is an abbreviation for reinforced thermoplastic.*
The devices shown on this page are not listed by Underwriters Laboratories Inc.
and are for replacement use only in existing installations.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.
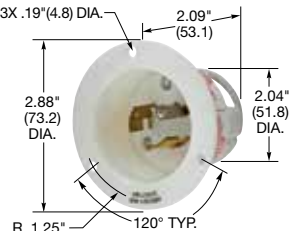
Dimensions in Inches (mm)

Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
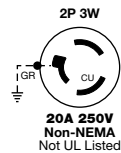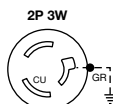**2 Pole, 3 Wire, Grounding and**
3 Pole, 3 Wire, Non-Grounding

2.75"
(69.9)

1.97"
(50.0)
DIA.

2.26"
(57.4)
DIA.

HBL9965C

For Replacement Use Only

IP20
SUITABILITY

2P 3W

20A 250V
Non-NEMA
Not UL Listed

3P 3W

20A 125/250V
Non-NEMA
Not UL Listed

Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL9965GCB**	**HBL9965C**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	–	**HBL99CM65C**

Note: See page B-54 for accessories.

3X .19"(4.8) DIA.

2.09"
(53.1)

2.88"
(73.2)
DIA.

2.04"
(51.8)
DIA.

R. 1.25"
(31.8)

120° TYP.

HBL3325C

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL3325C**

Note: See page B-54 for accessories.

2.75"
(69.9)

2.21"
(56.1)
DIA.

2.33"
(59.2)
DIA.

HBL7411C

For Replacement Use Only

IP20
SUITABILITY

3P 4W

20A 3Ø 250V AC
Non-NEMA
Not UL Listed

4P 4W

20A 3Ø Y
120/208V AC
Non-NEMA
Not UL Listed

Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL7411GCB**	**HBL7411C**

Note: See page B-54 for accessories.

3X .19"(4.8) DIA.

2.27"
(57.7)

3.06"
(77.7)
DIA.

2.23"
(56.6)
DIA.

R. 1.34"
(34.0)

120° TYP.

HBL7408C

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL7408C**

Note: See page B-54 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc.
and are for replacement use only in existing installations.

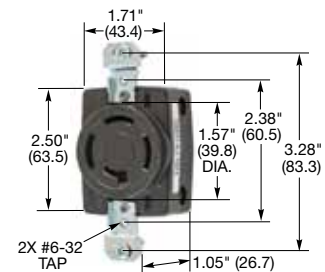*Dimensions in Inches (mm)*

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Twist-Lock® Devices

For Replacement Use Only

IP20
SUITABILITY

2P 3W
CU   GR
20A 250V
Non-NEMA
Not UL Listed

3P 3W
Y   W
20A 125/250V
Non-NEMA
Not UL Listed

Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL7314GCB**	**HBL7314C**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	–	**HBL73CM14C**

Note: See page B-54 for accessories.

HBL7314C
3.86" (98.0)
2.26" (57.4) DIA.
1.97" (50.0) DIA.

Single Flush Receptacles

Description	Catalog Number	
Black nylon face, back wired.	**HBL7310BG**	**HBL7310B**

Note: See page B-54 for accessories.

HBL7310B
1.39" (35.2)
2.20" (57.2)
1.38" (34.9) DIA.
2.38" (60.5)
3.28" (83.3)
2X #6-32 TAP
1.11" (28.2)

Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL3326C**

Note: See page B-54 for accessories.

HBL3326C
3X .19"(4.8) DIA.
2.09" (53.1)
2.88" (73.2) DIA.
2.04" (51.8) DIA.
R. 1.25" (31.8)
120° TYP.

For Replacement Use Only

IP20
SUITABILITY

3P 4W
Z   X   GR   Y
20A 3Ø 250V AC
Non-NEMA
Not UL Listed

4P 4W
Z   W   X   Y
20A 3Ø Y 120/208V AC
Non-NEMA
Not UL Listed

Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL7413GCB**	**HBL7413C**

Note: See page B-54 for accessories.

HBL7413GCB
3.86" (98.0)
2.21" (56.1) DIA.
2.33" (59.2) DIA.

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	**HBL7410BG**	**HBL7410B**
Mounted on a 4" (101.6) round metal cover.	–	**HBL7417B**

Note: See page B-54 for accessories.

HBL7410BG
1.71" (43.4)
2.50" (63.5)
1.57" (39.8) DIA.
2.38" (60.5)
3.28" (83.3)
2X #6-32 TAP
1.05" (26.7)

Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL7409C**

Note: See page B-54 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

HBL7409C
3X .19"(4.8) DIA.
2.27" (57.7)
3.06" (77.7) DIA.
2.23" (56.6) DIA.
R. 1.34" (34.0)
120° TYP.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Non-NEMA 20 Amp, 250 Volts, 10 Amp, 600 Volts AC
4 Pole, 5 Wire, Grounding

HBL3521C

For Replacement Use Only

IP20
SUITABILITY

20A 250V
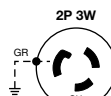**10A 600V AC**
Non-NEMA
UL/CSA

Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	**HBL3521C**

Note: See page B-54 for accessories.

HBL3524C

Flanged Inlets

Description	Catalog Number
Insulgrip nylon casing, back wired.	**HBL3524C**

Note: See page B-54 for accessories.

HBL3523C

IP20
SUITABILITY

20A 250V
10A 600V AC
Non-NEMA
UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	**HBL3523C**

Note: See page B-54 for accessories.

HBL3520

Single Flush Receptacles

Description	Catalog Number
Black thermoset, back wired.	**HBL3520**

Note: See page B-54 for accessories.

Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired.	**HBL3525C**

Note: See page B-54 for accessories.

HBL3525C

Dimensions in Inches (mm)

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.
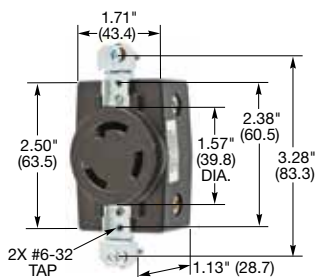
Twist-Lock® Devices

Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
2 Pole, 3 Wire, Grounding and
3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only

IP20
SUITABILITY

2P 3W
GR
CU
30A 250V
Non-NEMA
Not UL listed

3P 3W
W Y
X
30A 125/250V
Non-NEMA
Not UL Listed

2.75"
(69.9)

1.97"
(50.0)
DIA.

2.26"
(57.4)
DIA.

HBL3331GC

Insulgrip® Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL3331GC**	**HBL3331C**

Note: See page B-54 for accessories.

Insulgrip® Flanged Inlets

Description		Catalog Number
Nylon casing, back wired.	**–**	**HBL3334C**

Note: See page B-54 for accessories.

3X .19"(4.8) DIA.

2.09"
(53.1)

2.88"
(73.2)
DIA.

2.04"
(51.8)
DIA.

R. 1.25"
(31.8)

120° TYP.

HBL3334C

For Replacement Use Only

IP20
SUITABILITY

3P 4W
GR
Z
Y
X
30A 3Ø 250V AC
Non-NEMA
Not UL Listed

4P 4W
W
Z
Y
X
Non-NEMA
30A 3Ø Y
120/208V AC
Not UL Listed

2.75"
(69.9)

2.21"
(56.1)
DIA.

2.33"
(59.2)
DIA.

HBL3431C

Insulgrip® Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL3431GCB**	**HBL3431C**

Note: See page B-54 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc.
and are for replacement use only in existing installations.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.
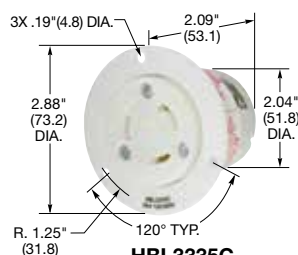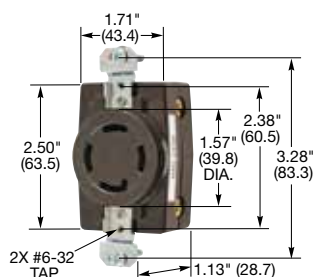
Dimensions in Inches (mm)

Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
2 Pole, 3 Wire, Grounding and
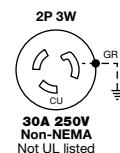## 3 Pole, 3 Wire, Non-Grounding

HBL3333GC

HBL3330G

HBL3335C

HBL3433C

HBL3430

For Replacement Use Only

IP20
SUITABILITY

2P 3W
30A 250V
Non-NEMA
Not UL listed

3P 3W
30A 125/250V
Non-NEMA
Not UL Listed

Insulgrip® Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL3333GC**	**HBL3333C**

Note: See page B-54 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	**HBL3330G**	**HBL3330**

Note: See page B-54 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL3335C**

Note: See page B-54 for accessories.

For Replacement Use Only

IP20
SUITABILITY

3P 4W
30A 3Ø 250V AC
Non-NEMA
Not UL Listed

4P 4W
30A 3Ø Y
120/208V AC
Non-NEMA
Not UL Listed

Insulgrip® Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL3433GCB**	**HBL3433C**

Note: See page B-54 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	**HBL3430G**	**HBL3430**

Note: See page B-54 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**HBL3435CM2**	–

Note: See page B-54 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc.
and are for replacement use only in existing installations.

Dimensions in Inches (mm)

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA 30 Amp, 250 Volts DC Max. and 600 Volts AC Max. 50 - 400Hz
Non-NEMA 20 Amp, 3ØY 120/208 Volts AC 400Hz

Variload® Twist-Lock® Devices

In many large plants and laboratories the number of circuits of different ratings and frequency is greater than the number of blade configurations available in conventional wiring devices.

Prior to NEMA configuration standardization the solution was "Variload® Twist-Lock®" devices with four non-interchangeable center pin and slot configurations that can be assigned within the same premises to circuits of same voltage, frequency and supply (AC or DC), in accordance with NEC® 406.4(F) and 406.8 and with CE Code, Part I, Rule 26-700(3).

1.86" (47.2)   .91" (23.1)

2.13" (54.1) DIA.

HBL45315

30A, 250V DC Max. and 600V AC Max. 50 - 400Hz

Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
(oval)	HBL45115	–	HBL45135	HBL45105
(triangle)	HBL45215	–	HBL45235	HBL45205
(pentagon)	HBL45315	–	HBL45335	HBL45305

2.89" (73.4)   .91" (23.1)

1.84" (46.7) DIA.   2.13" (54.1) DIA.

HBL45335

20A 3ØY, 120/208V AC Only, 400Hz

Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
(key)	HBL45915†	HBL45985CL†	HBL45935†	HBL45905†

Note: †UL Listed only.

1.72" (43.7)

2.69" (68.3)   2.38" (60.5)   1.72" (43.7) DIA.   3.28" (83.3)

2X #6-32 TAP   1.02" (25.9)

HBL45305

Receptacle Wallplates

Description	Single Receptacle with Face Dia. 1.74" (44.2) Catalog Number
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.	SS725

SS725

IP55*
SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® black elastomer for Variload® plugs.	HBL6027**
Seal-Tite® black elastomer for Variload® connector bodies.	HBL6028**

Note: *When installed and used properly with plug and connector body combinations.
** Weatherproof boots not UL Listed, nor CSA Certified.

HBL6027

HBL6028

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Accessories for 15 Amp
2 and 3 Wire Devices

SS8   **SS7**

HBL5206WO

HBL5221

HBL7423WO

WP1

Wallplates, 1-Gang

Description	Color	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Nylon, smooth.	Brown	**NP8**	**NP7**
	Ivory	**NP8I**	**NP7I**
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.		**SS8**	**SS7**
Stainless steel 430, .035 in. (0.9), horizontal brushed finish.		**SS8L**	**SS7L**
Brass .04 in. (1.0), horizontal brushed finish.		**SB8**	**SB7**
Aluminum .05 in. (1.3), horizontal brushed finish.		**SA8**	**SA7**

Weatherproof Covers

IP44
SUITABILITY

Description	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Cast aluminum, for standard horizontal box mount.	**HBL5205WO**	–
Same as above except FS/FD box mount.	**HBL5206WO**	–
Cast aluminum vertical FS/FD box mount.	–	**HBL7420**
Gray thermoplastic, vertical standard box mount, corrosion resistant.	**HBL5222**	–
Same as above except yellow.	**HBL52CM22**	–
Gray thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL5221**	**HBL7423WO**
Yellow thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL52CM21**	**HBL74CM23WO**
White thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL52CM21W**	–

Weatherproof Covers for
15A Nylon Flanged Receptacles and Inlets

IP44
SUITABILITY

Description	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Gray thermoplastic, corrosion resistant.	–	**WP1**

Note: All weatherproof covers listed above are UL Listed for wet and damp locations with cover closed.
Those with suffix WO are UL Listed with cover open.
See page O-23 for additional information on weatherproof covers.

Dimensions in Inches (mm)

Accessories for 15 Amp
2 and 3 Wire Devices

- Tinted lid is aesthetically pleasing in any location. High-impact, polycarbonate while-in-use cover will not rust or corrode; cover is NEMA 3R rated

- Compact 2-gang design

HBLPKL520

- Locking receptacle prevents unintentional disconnection of mating pump plug

Pool Kit Contains:

- Heavy duty, industrial grade locking receptacle NEMA L5-20, 20A 125V

- Single-pole switch (20A, 120-277V AC)

- Two gang, 2 inch deep die-cast aluminum weatherproof box with (4) ¾ inch threaded outlets

- Two gang, weatherproof while-in-use cover

- Includes mounting hardware, gasket, wire connector and (3) closure plugs

- Complete assembly instructions

HBL6023

Pool Pump Kit

Description	Catalog Number
Pool pump receptacle kit.	**HBLPKL520**

HBL6024

Weatherproof, Seal-Tite®, Triple Seal Boots for 15A Insulgrip® Devices

IP55*
SUITABILITY

Description	Catalog Number
Black elastomer boot for plugs when used in a cord set and connector bodies when used with a flange inlet.	**HBL6023**
Same as above except yellow elastomer.	**HBL60CM23**
Black elastomer boot for connector bodies when used in cord sets.	**HBL6024**
Same as above except yellow elastomer.	**HBL60CM24**

*Note: *When installed and used properly with plug and connector body combinations.*

HBL7529A

Closure Cover

Description	Catalog Number
For use with 3 wire 15A Twist-Lock flush or flanged receptacles.	**HBL7529A**

PLUGOUT® Lockout Devices

Description	Catalog Number
Lockout device for 15A and 20A straight blade plugs.	**HLDMP**
Lockout device for attachable 20 and 30A plugs, straight body or angle types, with or without weatherproof covers.	**HLD**

Note: See section BB for additional information on PLUGOUT Lockout devices.

3.14"
(79.8)

4.22"
(107.2)

HLDMP

Dimensions in Inches (mm)

**Accessories for 20 and 30 Amp
3, 4 and 5 Wire Devices**

NP720BK   **SS720**

HBL7425WOA

HBL2899

Wallplates, 1-Gang

Description	Color	Single Receptacles with Face Dia. 1.60" (40.6)
Nylon, smooth.	Black	**NP720BK**
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.		**SS720**
Brass .04 in. (1.0), horizontal brushed finish.		**SB720**

Weatherproof Covers

IP44
SUITABILITY

Description	Single Receptacles with Face Dia. 1.60" (40.6)
Cast aluminum, for FS/FD box mounting.	**HBL7420**
Gray thermoplastic, for FS/FD box mounting, corrosion resistant.	**HBL7425WOA**
Same as above except yellow.	**HBL74CM25WOA**

Weatherproof Covers for Flanged Inlets and Flanged Receptacles

IP44
SUITABILITY

Description	Single Receptacles with Face Dia. 1.60" (40.6)
Gray thermoplastic, corrosion resistant.	**WP2**

*Note: Weatherproof covers are UL Listed for wet and damp location with cover closed.
Those with suffix WOA are UL Listed with cover open.
See page O-23 for additional information on weatherproof covers.*

Closure Cover for 3 Wire Flanged Inlets

Description	Catalog Number
Rubber closure plug.	**HBL2899**

Note: Closure cover not UL Listed, CSA Certified.

HBL3PT2511

HBLT26CM11

Twist-Lock® Circuit Testers

Description	Rating	20 Amp		30 Amp	
		Configuration	Catalog Number	Configuration	Catalog Number
3-Phase Circuit Tester	3Ø 120/208V AC Min. Volt.: 90V AC	NEMA L21-20P	**HBL3PT2511**	NEMA L21-30P	**HBL3PT2811**
Circuit Tester	125V	NEMA L5-20P	**HBLT2311**	NEMA L5-30P	**HBLT2611** **HBLT26CM11** (Marine)
	250V	NEMA L6-20P	**HBLT2321**	NEMA L6-30P	**HBLT2621**
	277V	NEMA L7-20P	**HBLT2331**		
	125/250V	NEMA L14-20P	**HBLT2411**	NEMA L14-30P	**HBLT2711**
	347V	NEMA L24-20P	**HBLT3721**		

Dimensions in Inches (mm)

Note: Testers in other NEMA configurations can be developed upon request.

Twist-Lock® Devices

Accessories for 20 and 30 Amp
3, 4 and 5 Wire Devices

Insulgrip® Plug and Connector Body Latching Kit

The Hubbell latching kit provides both improved safety and security through a double locking feature that makes unintentional disconnection virtually impossible – even under high vibration situations. The plug and connector body lock once when first connected, then again when you push the special position locking slide into place.

Insulgrip® Latching Kit

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
For all 20A and 30A Twist-Lock Insulgrip plugs and connectors.	**SK2**	**SK3**

SK2

Valise®

IP55* SUITABILITY

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Yellow Seal-Tite® elastomer triple seal cover for use with Valise plugs when used in cord set and Valise connector bodies when used with flanged inlet.	**HBL60CM31V**	**–**
Yellow Seal-Tite® elastomer triple seal cover for use with Valise connector bodies.	**HBL60CM32V**	**–**

Note: *When installed and used properly with plug and connector body combinations.

HBL60CM31V

Insulgrip®

IP55* SUITABILITY

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Black elastomer boot for plugs when used in a cord set and connector bodies when used in flanged inlets.	**HBL6031**	**HBL6035**
Same as above except yellow.	**HBL60CM31**	**HBL60CM35**
Black elastomer boot for connector bodies when used in a cord set.	**HBL6032**	**HBL6036**
Same as above except yellow.	**HBL60CM32**	**HBL60CM36**

HBL6032

Angle Adapter

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Nylon, angle adapter for Insulgrip plugs and connector bodies, cord grip range .325"-.930" (8.3-24).	**HBL3WAA**	**HBL45WAA**

PLUGOUT® Lockout Devices

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Lockout device for attachable 20 and 30A locking plugs, straight body or angle types, with or without weatherproof covers.	**HLD**	**HLD**
Lockout device for 20 and 30A 3 wire angle plugs and watertight Safety-Shroud® Twist-Lock® plugs.	**HLD2**	**HLD2**

Note: See section BB for additional information on PLUGOUT Lockout devices.
*When installed and used properly with plug and connector body combinations.

HBL3WAA

2.34" (59.4)
3.64" (92.5)
1.61" (40.9)

For quick visual identification of circuits or configurations.

Colored Cord Clamps*

Description	Color	For 3 Wire Devices	For 4 & 5 Wire Devices
For use with 20A and 30A Insulgrip® Twist-Lock® Plugs and Connectors. Cord diameter: 3 wire .350"-.930" (9-24), 4 & 5 wire .350" – 1.150" (9-29)	Black	**HBLTL2CCBK**	**HBLTL3CCBK**
	Blue	**HBLTL2CCBL**	**HBLTL3CCBL**
	Brown	**HBLTL2CCBR**	**HBLTL3CCBR**
	Dark Blue	**HBLTL2CCDB**	**HBLTL3CCDB**
	Green	**HBLTL2CCGR**	**HBLTL3CCGR**
	Orange	**HBLTL2CCOR**	**HBLTL3CCOR**
	Red	**HBLTL2CCRD**	**HBLTL3CCRD**
	Teal	**HBLTL2CCTL**	**HBLTL3CCTL**
	White	**HBLTL2CCWH**	**HBLTL3CCWH**
	Yellow	**HBLTL2CCYL**	**HBLTL3CCYL**

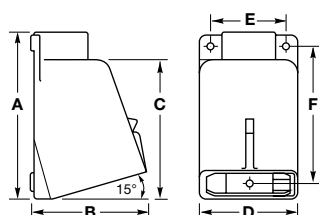*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

4.27" (108.5)
7.27" (184.7)

HLD
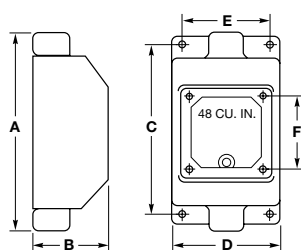

Dimensions in Inches (mm)

Safety-Shroud® Twist-Lock® Accessories

Non-Metallic Angle Box

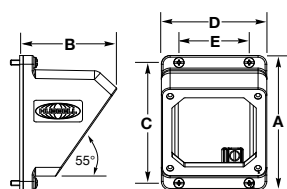**Metallic Angle Box**

Metallic Feed Thru Box

AB203055

AA203055

HBL2030AP

AA2030PS

Dimensions in Inches (mm)

15° Angle Non-Metallic Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**

Note: Hub is not included; order Raco part number 1704. This box meets IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

15° Angle Metallic Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
	1"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**

Metallic Feed Thru Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).

55° Angle Metallic Adapter and Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	6.80" (172.4)	5.63" (142.9)	6.60" (167.0)	4.50" (114.3)	3.74" (95.0)	-	45.27"	**AB203055**

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	4.89" (172.4)	3.33" (167.0)	4.29" (142.9)	3.75" (114.3)	2.50" (95.0)	-	25.00"	**AA203055**

Straight Watertight Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	**HBL2030AP**

Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 4¹¹⁄₁₆" square).	**AA2030PS**

Twist-Lock® Devices

Features and Benefits

50 Amp Plugs and Connector Bodies

Hubbell's 50 amp Twist-Lock® devices feature a heavy duty design built for heavy duty applications. These Hubbell 50 amp Twist-Lock plugs and connector bodies are built to go where you need power, even in some of the harshest environments.

On the outside, 50 amp plugs and connectors are made of super tough nylon for better impact resistance. On the plug, the stainless steel shroud not only provides protection and durability, but safety as well. That's because the rigid construction restricts distortion, thus minimizing the possibility of mating incorrect devices.

On the inside are the kinds of features that separate Hubbell from all the rest. The cord grip has been designed with offset gripping jaws to securely hold the conductors – not just the cord jacket. Hubbell's box terminals speed wiring and provide a superior termination. The plug's thermoplastic polyester interior provides excellent heat resistance without compromising strength.

In all, it's the combination of function and performance that Hubbell demands of all its products. That is why we will never add a feature that compromises performance.

Housing Design
- Housing assembly latch slotted to fit standard flat-blade screwdriver providing secure assembly and fast disassembly for wiring
- Super tough nylon housing offers better impact qualities

Internal Design
- Thermoplastic polyester interior provides heat resistance and impact strength
- 6/6 nylon nose – thermoplastic polyester terminal cover provides heat resistance in terminal area and impact strength of nose piece

Safety
- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout tagout regulation 29 CFR 1910.147

Terminals
- Box terminal with hex socket threaded slug is superior because it permits high clamping pressure on conductors without damaging strands

Installation
- Three-piece thermoplastic cord clamp assembly with stainless steel fast lead screws provides a more consistent, durable grip. Sealed cable entry keeps out moisture and dust

Contacts
- One-piece grounding contact on 4-wire devices provides a more reliable grounding system for a safer device

50 Amp, 125, 250 Volts and 480 Volts AC

6.38"
(162.0)

2.59"
(65.8)
DIA.

CS8265C

Plots

Plugs

IP20
SUITABILITY

50A 125V
UL/CSA

50A 250V
UL/CSA

50A 480V AC
UL/CSA

Description	Cord Dia.	Catalog Number		
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6361C**	**CS8265C**	**CS8465C**

Note: See page B-62 for accessories.

4X .19"(4.8) DIA.

2.62"
(66.5)

3.50"
(88.9)
DIA.

2.17"
(55.1)
DIA.

R. 1.50"
(38.0)

90° TYP.

CS8275

Flanged Inlets

Description	Catalog Number		
Zinc plated steel casing, thermoset interior.	**CS6377†**	**CS8275**	**CS8475†**

6.34"
(161.0)

2.59"
(65.8)
DIA.

CS8264C

IP20
SUITABILITY

50A 125V
UL/CSA

50A 250V
UL/CSA

50A 480V AC
UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Number		
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6360C**	**CS8264C**	**CS8464C**

Note: See page B-62 for accessories.

2X Ø.19
(4.8)

2.13"
(54.1)

2.69"
(68.3)

3.28"
(83.3)

1.03" (26.2)

2.36"
(59.9)

CS8269

Receptacles

Description	Catalog Number		
Black phenolic.	**CS6370**	**CS8269**	**CS8469†**

Note: See page B-62 for accessories.
†Not CSA Certified.

Dimensions in Inches (mm)

50 Amp, 125/250, 3Ø 250 Volts and 3Ø 480 Volts AC

IP20
SUITABILITY

	50A 125/250V AC UL/CSA	50A 3Ø 250V AC UL/CSA	50A 3Ø 480V AC UL/CSA

Plugs

Description	Cord Dia.	Catalog Number		
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6365C**	**CS8365C**	**CS8165C**

Note: See page B-62 for accessories.

6.38" (162.0)
2.59" (65.8) DIA.

CS6365C

Flanged Inlets

Description	Catalog Number		
Zinc plated steel casing, thermoset interior.	**CS6375**	**CS8375**	**CS8175**
Zinc plated steel casing, thermoset interior with lift cover.	**CS6375M2**	–	–
Gray Valox® housing and flange.	**HBL6375S***	–	–

*Note: *Type 3R, (Not shown).*

4X .19"(4.8) DIA.
2.62" (66.5)
3.50" (88.9) DIA.
2.17" (55.1) DIA.
R. 1.50" (38.0)
90° TYP.

CS6375

IP20
SUITABILITY

	50A 125/250V AC UL/CSA	50A 3Ø 250V AC UL/CSA	50A 3Ø 480V AC UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Number		
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6364C**	**CS8364C**	**CS8164C**
Insulgrip® Connector with conduit adapter. Capable of accepting metallic or non-metallic conduit fittings.	½" NPT Size	–	**CS8364CA05**	–
	¾" NPT Size	–	**CS8364CA34**	–
	1" NPT Size	–	**CS8364CA10**	–

Note: See page B-62 for accessories.

2.63" (66.8)
4X .19" (4.8) DIA.
3.50" (88.9) DIA.
2.19" (55.6) DIA.
R. 1.50" (38.0)
90° TYP.

CS6375M2

Receptacles

Description	Catalog Number		
Black phenolic.	**CS6369**	**CS8369**	**CS8169**

Note: See page B-62 for accessories.

6.34" (161.0)
2.59" (65.8) DIA.

CS6364C

5.59" (141.9)
2.59" (65.8) DIA.

CS8364CA05

CS8364CA05
(Rear View)

2X Ø.19 (4.8)
2.13" (54.1)
2.69" (68.3)
3.28" (83.3)
1.03" (26.2)
2.36" (59.9)

CS6369

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

50 Amp, 250 Volts DC and 600 Volts AC

6.38"
(162.0)

2.59"
(65.8)
DIA.

HBL3763C

IP20
SUITABILITY

50A 250V DC
50A 600V AC

Plugs

Description	Cord Dia.	
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3763C**

Note: See page B-62 for accessories.

4X .19"(4.8) DIA.

2.62"
(66.5)

3.50"
(88.9)
DIA.

2.17"
(55.1)
DIA.

R. 1.50"
(38.0)

90° TYP.

HBL3777

Flanged Inlets

Description	
Zinc plated steel casing, thermoset interior.	**HBL3777**
Zinc plated steel casing, thermoset interior with lift cover.	**HBL3767**

2.63"
(66.8)

4X .19"
(4.8) DIA.

3.50"
(88.9)
DIA.

2.19"
(55.6)
DIA.

R. 1.50"
(38.0)

90° TYP.

HBL3767

IP20
SUITABILITY

50A 250V DC
50A 600V AC

Connector Bodies

Description	Cord Dia.	
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3762C**

Note: See page B-62 for accessories.

Receptacles

Description	
Black phenolic.	**HBL3771**

Note: See page B-62 for accessories.

6.34"
(161.0)

2.59"
(65.8)
DIA.

HBL3762C

2X Ø.19
(4.8)

2.13"
(54.1)

2.69"
(68.3)

3.28"
(83.3)

1.03" (26.2)

2.36"
(59.9)

HBL3771

Dimensions in Inches (mm)

50 Amp, 250 Volts DC and 600 Volts AC

Plugs

Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3765C**	**HBL7765C**

Note: See page B-62 for accessories.

50A 600V AC 50A 250V DC

50A 600V AC 50A 250V DC

6.38" (162.0)

2.59" (65.8) DIA.

HBL3765C

Flanged Inlets

Description	Catalog Number	
Zinc plated steel casing, thermoset interior.	**HBL3775**	**HBL7958**
Zinc plated steel casing, thermoset interior with lift cover.	**HBL3768**	**HBL7968**

4X .19"(4.8) DIA.

2.62" (66.5)

3.50" (88.9) DIA.

2.17" (55.1) DIA.

R. 1.50" (38.0)

90° TYP.

HBL3775

Connector Bodies

Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3764C**	**HBL7764C**

Note: See page B-62 for accessories.

50A 600V AC 50A 250V DC

50A 600V AC 50A 250V DC

2.63" (66.8)

4X .19" (4.8) DIA.

3.50" (88.9) DIA.

2.19" (55.6) DIA.

R. 1.50" (38.0)

90° TYP.

HBL3768

Receptacles

Description	Catalog Number	
Black phenolic.	**HBL3769**	**HBL7379**

Note: See page B-62 for accessories.

6.34" (161.0)

2.59" (65.8) DIA.

HBL3764C

2.13" (54.1)

2X Ø.19 (4.8)

2.69" (68.3)

3.28" (83.3)

1.03" (26.2)

2.36" (59.9)

HBL3769

Important Note: Catalog numbers HBL7765C, HBL7958, HBL7968, HBL7764C, HBL7379 are for replacement use only. See other singly rated 50A Twist-Lock® devices in this section. HBL3700 series Twist-Lock devices do not interchange with any other devices in this section.

Dimensions in Inches (mm)

50 Amp Twist-Lock® Accessories

IP44
SUITABILITY

HBL7770

SS750

HBL50SC

CS50CA34

HBL7716C

HBL7717C

Weatherproof Receptacle Lift Cover Plates for FS/FD Box Mounting

Description	Catalog Number
Corrosion resistant, gray thermoplastic.	**HBL7774WO**
Same as above except yellow.	**HBL77CM74WO**
Cast aluminum.	**HBL7770**

Note: See page O-23 for additional information on weatherproof covers.

Receptacle Plates for FS/FD Box Mounting

Description	Catalog Number
Cast aluminum with lift cover.	**HBL7382•***
Same as above less lift cover.	**HBL7383•**
Stainless steel, single gang, wallplate.	**SS750▲**

Receptacle ½" Raised Cover

Description	Catalog Number
Galvanized Steel fits 4" square or 2-gang box.	**HBL50SC▲**

Conduit Adapters for 50A Twist-Lock® Plugs and Connectors

Description	NPT Thread Size	Catalog Number
Thermoplastic housing, conduit adapters	½"	**CS50CA05**
for use with CS style 50A Twist-Lock® devices.	¾"	**CS50CA34**
Available in ½", ¾" and 1" NPT thread sizes.	1"	**CS50CA10**

IP55**
SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® triple seal black elastomeric cover for plugs when used in a cord set and connector bodies when used with flanged inlets.	**HBL7716C†**
Seal-Tite triple seal black elastomeric cover for connector bodies when used with cord sets.	**HBL7717C†**

Inlet Closure Plug

Description	Catalog Number
Black closure plug.	**HBL4892†**

Replacement Parts

Description	Catalog Number
Cord clamp Kit.	**HBLCSCK**

Note: •Will only fit non-"CS" type 50A Twist-Lock receptacles.
*Not UL Listed "WDL Closed".
**When installed and used properly with plug and connector body combinations.
▲IP20 SUITABILITY.
†Not UL Listed.

HBL4892

HBLCSCK

Twist-Lock® Devices

Features and Benefits

Hubbellock® Plugs and Connector Bodies

The Hubbellock devices feature an exclusive design unlike any other in the industry. The unique design is built to provide the safest heavy duty device even in some of the harshest environments. These Hubbellock plugs and connector bodies are built with a super tough nylon housing for high impact resistance and a one of kind interior design for superior safety that Hubbell is known for.

The male contacts are molded into the nose for damage resistance and completely eliminate the chance of deformity. Additionally, the plug as well as the connector retains power mechanical cord grips that not only secure the cable but also clamp down on the conductors in order to provide unrivaled strain relief.

Inside the connector is Hubbell's unique safety design. With unparalleled box terminations the connector interior holds a spring-loaded safety shutter to provide the ultimate arc protection. Furthermore the exceptional heat and impact resistance is maintained by the thermoplastic interior contributing to a longer lasting device.

In all, the one of a kind function of the Hubbellock devices provide a safe and dependable performance in the most demanding applications.

Note: The cut-away views below are construction elements pertaining specifically to the 30A Hubbellock series. While the Hubbellock contact interface design applies to all, there are construction elements that are different, depending on the amperage.

Housing Design

- Insulated non-metallic housing enhances safety and abuse resistance
- Impact resistance in the interior of the female device comes from a strong thermoplastic material

Internal Design

- No "lazy" connections because a spring-loaded safety shutter automatically ejects the plug if it hasn't been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up
- Arcs are snuffed out, when devices are mated or unmated under load, by spring-loaded safety shutter

Safety

- Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter

Terminals

- Superior wire terminations are assured with box terminals and screws with pressure pads. This design captures stray wire strands and permits more clamping pressure on the wire without damaging it. Loosening of terminations and resulting heat build-up are greatly reduced

installation

- Three-piece thermoplastic clamp assembly with fast-lead stainless screws provides a more consistent durable grip. Grommets provide a sealed cable entry that protects against the entry of moisture and dust

Contacts

- Positive locking is ensured by the nose of the plug being keyed into a detent in female device. This lock is independent of the contacts or a separate mechanical lock
- Longer contact life is assured by supplementary springs. Other devices rely just on contacts themselves to provide proper contact pressure

20 Amp, 125 Volts

HBL23035B

20A 125V

Plug

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23035B**

HBL23032B

20A 125V

Connector Body

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23032B**

HBL23030

20A 125V

Receptacle

Description	Catalog Number
Black phenolic, back wired.	**HBL23030**

Note: Devices listed above are not interchangeable with any other Hubbellock device listed in this catalog.

Accessories

Weatherproof Covers

Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 SUITABILITY.	**HBL7423WO**
Same as above except yellow.	**HBL74CM23WO**
Cast aluminum, lift cover for indoor use only.	**HBL23007**
Stainless steel 302/304, single receptacle wallplate.	**SS7**
Stainless steel 430, single receptacle wallplate.	**SS7L**

HBL7423WO

HBL23007

Dimensions in Inches (mm)

20 Amp, 125 Volts AC or DC, 10 Amp, 250 Volts DC, 480 Volts AC

IP30
SUITABILITY

Plug

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23005GB**

20A 125V

3.22" (81.8)
2.31" (58.7)
1.72" (43.7) DIA.

HBL23005GB

Connector Body

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23002GB**

20A 125V

3.56" (90.4)
1.72" (43.7) DIA.
1.63" (41.4) DIA.

HBL23002GB

Receptacle

Description	Catalog Number
Black phenolic, back wired.	**HBL23000G**

20A 125V

2X #6-32 TAP
1.62" (41.2)
2.50" (63.5)
1.38" (35.1) DIA.
3.28" (83.3)
2.38" (60.5)
1.47" (37.3)

HBL23000G

Accessories

Weatherproof Covers

Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 SUITABILITY.	**HBL7423WO**
Same as above except yellow.	**HBL74CM23WO**
Cast aluminum, lift cover for indoor use only.	**HBL23007**
Stainless steel 302/304, single receptacle wallplate.	**SS7**
Stainless steel 430, single receptacle wallplate.	**SS7L**

HBL7423WO

HBL23007

Dimensions in Inches (mm)

30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC

HBL21415B

4.69" (119.1)

2.33" (59.2) DIA.

HBL20445B

4.69" (119.1)

2.33" (59.2) DIA.

HBL25415B

6.56" (166.6)

2.33" (59.2) DIA.

IP30
SUITABILITY

3P 4W
Z
GR — Y
X
30A 600V AC
20A 250V DC

3P 4W
Z
GR — Y
X
30A 480V AC

4P 5W
Z
GR — W — Y
X
30A 600V AC
20A 250V DC

Plugs

Description	Cord Dia.	Catalog Number		
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	**HBL21415B**	–	–
Same as above except corrosion resistant.	.700"-1.200" (17.78-30.5)	**HBL21CM415B**	–	–
Red nylon housing, thermoset interior.	.700"-1.200" (17.78-30.5)	–	**HBL20445B†**	–
Black nylon housing, thermoset interior, steel shroud.	.700"-1.200" (17.78-30.5)	–	–	**HBL25415B**

Note: See page B-70 for accessories.
†Not CSA Certified.

Flanged Inlets

Description	Catalog Number		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting.	**HBL22CM428**	–	–
Black phenolic interior, aluminum housing, for FS/FD box mounting (not shown).	**HBL20418**	–	–
Aluminum angle housing, with ¾" NPT hub for surface mounting.	**HBL21447**	–	–

5.09" (129.2)

5.93" (150.6)

3.25" (82.6)

3.06" (77.7) DIA.

HBL21447

ON
OFF

SEHBL3 - Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle. Receptacle not included. See page B-41 for additional information.

Dimensions in Inches (mm)

30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC

IP30 SUITABILITY

	3P 4W	3P 4W	4P 5W
	30A 600V AC 20A 250V DC	30A 480V AC	30A 600V AC 20A 250V DC

Connector Bodies

Description	Cord Dia.	Catalog Number		
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	**HBL21414B**	–	–
Same as above except corrosion resistant.	.700"-1.200" (17.78-30.5)	**HBL21CM414B**	–	–
Red nylon housing, thermoset interior.	.700"-1.200" (17.78-30.5)	–	**HBL20444B**	–
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	–	–	**HBL25414B**

Note: See page B-70 for accessories.

6.00" (152.4)

2.44" (62.0) DIA.

HBL21414B

Receptacles

Description	Catalog Number		
Black phenolic.	**HBL20403**		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting. IP44 SUITABILITY.	**HBL22CM427**	–	–
Aluminum angle housing, with ¾" NPT hub for surface mounting. IP44 SUITABILITY.	**HBL21420**		
Black phenolic, red center insert.	–	**HBL20443**	–
Black phenolic interior, aluminum housing, blue finish, for FS/FD box mounting.	–	–	**HBL25403**
Black phenolic interior, aluminum weatherproof housing, blue finish for FS/FD box mounting. IP44 SUITABILITY.	–	–	**HBL25250**

Note: See page B-70 for accessories.

6.00" (152.4)

2.44" (62.0) DIA.

HBL20444B

6.78" (172.2)

2.69" (68.3) DIA.

HBL25414B

Receptacle Accessories

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover "open", red.	**HBL7428WOR***
Cast aluminum, wet locations only when cover "closed" and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet locations only when cover "closed" and damp locations, red finish.	**HBL20446**
302/304 stainless, single gang, smooth. NOT weatherproof.	**SS737**

*Note: *Features two #6-32 threaded inserts to back mount device to cover.*

5.09" (129.2)

5.93" (150.6)

3.25" (82.6)

3.06" (77.7) DIA.

HBL21420

2.23" (56.6)

4.56" (115.8)

4X Ø.187 (4.7)

2.84" (72.1)

HBL25250

2.84" (72.1)

4X Ø.187 (4.7)

2.78" (70.6) DIA.

4.56" (115.8)

1.66" (42.2)

HBL25403

1.94" (49.3)

2.69" (68.3)

3.28" (83.3)

1.94" (49.3) DIA.

1.22" (31.0)

HBL20443

Dimensions in Inches (mm)

60 Amp, 600 Volts AC

4.81"
(122.2)

3.03"
(77.0)
DIA.

HBL26419

4.81"
(122.2)

3.03"
(77.0)
DIA.

HBL26519

3P 4W

X
Y   GR
Z

60A 600V

4P 5W

X   W
Y   GR
Z

60A 600V AC

IP30
SUITABILITY

Plugs

Description	Cord Dia.	Catalog Number	
Black phenolic interior with yellow thermoplastic sleeve over steel housing.	.920"-1.450" (23.36-36.83)	**HBL26419**	–
Black phenolic interior with blue thermoplastic sleeve and steel housing.	1.00"-1.50" (25.40-38.10)	–	**HBL26519**

IP30
SUITABILITY

Flanged Inlets

Description	Catalog Number	
Black phenolic interior with steel housing and flange.	**HBL26422**	–
Black phenolic interior with steel housing and flange with blue finish.	–	**HBL26522**

3.95"
(100.4)

4X .19" (4.8) DIA.

2.75"
(69.9)

4.12"
(104.6)
DIA.

2.70"
(68.6)
DIA.

90° TYP.

R. 1.75"
(44.5)

HBL26422

3.95"
(100.4)

4X .19" (4.8) DIA.

2.75"
(69.9)

4.12"
(104.6)
DIA.

2.70"
(68.6)
DIA.

90° TYP.

R. 1.75"
(44.5)

HBL26522

Dimensions in Inches (mm)

60 Amp, 600 Volts AC

Connector Bodies

IP30
SUITABILITY

3P 4W 60A 600V

4P 5W 60A 600V AC

Description	Cord Dia.	Catalog Number	
Black phenolic interior with yellow thermoplastic sleeve over steel cover.	.920"-1.450" (23.36-36.83)	**HBL26418**	–
Black phenolic interior with blue thermoplastic sleeve over steel cover.	1.00"-1.50" (25.40-38.10)	–	**HBL26516**

5.44" (138.2)

3.19" (81.0) DIA.

HBL26418

Receptacles

IP44
SUITABILITY

Description	Catalog Number	
Black phenolic interior with short aluminum housing and lift cover.	**HBL26410**	–
Black phenolic interior with long aluminum housing and lift cover.	**HBL26420**	–
Black phenolic interior with long aluminum housing with lift cover and blue finish.	–	**HBL26520**

5.44" (138.2)

3.19" (81.0) DIA.

HBL26516

Flanged Receptacles

IP30
SUITABILITY

Description	Catalog Number	
Black phenolic interior with steel housing and flange.	**HBL26421**	–
Black phenolic interior with steel housing and flange with blue finish.	–	**HBL26521**

1.84" (46.7)
4.62" (117.3)
4X .25" (6.4) DIA.
2.87" (72.9) S.Q.
3.50" (88.9) S.Q.

HBL26410

Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	**HBL26401**
Straight adapter plate.	**HBL26402**
45° adapter plate.	**HBL26404**

Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box.
Cannot be used with round flanged receptacles and inlets.
See page B-70 for additional information.

4.96" (126.0)
4.32" (109.7)
4X .25" (6.4) DIA.
2.87" (72.9) S.Q.
3.50" (88.9) S.Q.

HBL26420

4.53" (115.1)
4X .19" (4.8) DIA.
3.33" (84.6)
4.12" (104.6) DIA.
2.88" (73.2) DIA.
90° TYP.
R. 1.75" (44.5)

HBL26421

4.53" (115.1)
4X .19" (4.8) DIA.
3.33" (84.6)
4.12" (104.6) DIA.
2.88" (73.2) DIA.
90° TYP.
R. 1.75" (44.5)

HBL26521

4.96" (126.0)
4.32" (109.7)
4X .25" (6.4) DIA.
2.87" (72.9) S.Q.
3.50" (88.9) S.Q.

HBL26520

Dimensions in Inches (mm)

Hubbellock® Accessories

HBL20405

SEHBL3

SAB34

HBL20424B

HBL20425B

H660A

Dimensions in Inches (mm)

30 Amp Hubbellock® Accessories

Receptacle Plates for FS/FD Box Mounting

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover "open", red.	**HBL7428WOR***
Cast aluminum, wet location only when cover "closed" and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet location only when cover "closed" and damp locations, red finish.	**HBL20446**
302/304 stainless, single gang, smooth. NOT weatherproof.	**SS737**

*Note: *Features two #6-32 threaded inserts to back mount device to cover.*

Switched Enclosure

IP54
SUITABILITY

Description	Catalog Number
Switched enclosure for use with 30A 3 pole 4 wire Hubbellock receptacle. Receptacle not included.	**SEHBL3**

Note: For more information on switched enclosures see page B-41.

Liquidtight Metallic Conduit Adapters

Description	Catalog Number
Adapter for use with ½" NPT conduit fittings.	**SAB12**
Adapter for use with ¾" NPT conduit fittings.	**SAB34**

Boots

Description	Catalog Number
"Mini" boot for 4 wire Hubbellock connector body.	**HBL20424B†**
"Mini" boot for 4 wire Hubbellock plug.	**HBL20425B†**

Note: †Not UL Listed or CSA Certified.

60 Amp Hubbellock® Accessories

Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	**HBL26401**
Straight adapter plate.	**HBL26402**
45° adapter plate.	**HBL26404**

Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.

Kellems® Cable Grip

Description	Cord Diameter	Catalog Number
Cable grip.	.830"-1.000" (21.1-25.4)	**H660A**
Cable grip (not shown).	1.000"-1.140" (25.4-28.9)	**H661A**
Cable grip (not shown).	1.125"-1.328" (28.6-33.7)	**H662A**

HBL26401

HBL26402

HBL26404

Technical Information
15-30 Amp Twist-Lock and Safety-Shroud® Devices

Specifications

Listings
Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Fed. Spec. W-C-596 (Insulgrip® and Safety-Shroud®).
Certified to CSA Standard C22.2 No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Plugs and Connector Bodies (Insulgrip®)	15-30A
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black nylon (yellow in "CM" devices)
Cord Clamp	Natural (white) nylon
Dust Shield	EPDM
Blades/Contacts	Brass
Terminal Clamp	Cold rolled steel – nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Cord Clamp Screws	Steel, zinc plated
Body Holding Screws	Steel, zinc plated

Flanged Inlet/ Receptacles	15-30A
Flanged Casing	Natural (white) nylon
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades/Contacts	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Cold rolled steel, nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Screws Screw Sizes	Nickel plated brass round head screws 15A: 6-32, ⅜" long 20A and 30A: 8-32, ⁷⁄₁₆" long

Receptacle, Single	15A	20A and 30A
Cover (Top)	Nylon (Black)	Nylon (Black)
Base	RTP (Black)	RTP (Natural)
Contact Springs	.031" Brass	.040" Brass
Clamp	.031" Brass	.040" Brass
Ground Contact	.031" Brass	.040" Brass
Ground Shunt	–	.015" Brass
Bridge (Mounting Strap)	.050" Steel, zinc plated	–
End Plates (Mounting)	–	.050" Brass
Back Plate	–	.040" Brass
Terminal Screws	Brass (8-32)	Brass (10-32) (white finish on neutral screw when used)
Grounding Screw	Brass (Green)	Bronze (Green)
Flat Head Mounting Screws	Steel, zinc plated	Steel, zinc plated
Auto Ground Clip	Stainless steel	Stainless steel (Used only on IG receptacle)

Safety-Shroud® Receptacles Angle, Surface Semi-Flush	20-30A
Housing and Mounting Flange	Gray Valox®
Mounting Plate (Angle Housing Only)	Galvanized steel
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Body Holding Screws	Steel, zinc plated
Contact Springs	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Terminal Screws	10-32 Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Plate Screws	Steel, zinc plated
Wallplate Mounting Screws	Steel, zinc plated

Safety-Shroud® Twist-Lock® Plug	20-30A
Insulgrip Plug with Safety-Shroud installed	
Safety-shroud	White Valox®
Cord Clamp	White nylon

Performance (Twist-Lock® and Safety Shroud Devices)

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise Fed. Spec.	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).

Mechanical (Twist-Lock® and Safety Shroud Devices)

Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation (Insulgrip)	15A: .230"-.720" (5.8-18.3); 20A and 30A 3W: .360"-.930" (9-24); 20A and 30A 4W-5W: .350"-1.150" (9-29).
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	20A and 30A, #16-#8 AWG. 15A, #18-#10 AWG. Solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device housing.

Environmental (Twist-Lock® and Safety Shroud Devices)

Flammability (Enclosure)	HB or better per UL94/CSA 22.2 No. 0.17.
Plugs, Connectors, Flanged Receptacles and Flanged Inlets Receptacles (Box Mount)	V2 or better.
Operating Temperatures	Maximum Continuous 75°C. Minimum -40°C (w/o impact).

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Technical Information
20 and 30 Amp Watertight Safety-Shroud® Twist-Lock® Devices

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).
Fed. Spec. WC-596.
UL Listed, CSA Certified to Type 4, 4X and Type 12.

Part	Materials
Watertight Safety-Shroud® Plug (Insulgrip®)	**20 and 30A**
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Blades	Brass
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Clamp Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Neoprene EPDM Blend
Watertight Safety-Shroud® Connector (Insulgrip®)	**20 and 30A**
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Contact Spring	Brass
Spring Binding Plate	Brass
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screws when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Grip Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Polypropylene with Neoprene gasket
Watertight Safety-Shroud Receptacle, Single*	**20 and 30A**
Housing and Flange	Gray Valox
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Drive Screws	Steel, zinc plated
Contact Spring	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Flange Gasket	Closed-cell neoprene foam
Lid Gasket	Closed-cell neoprene foam
Cover Hinge Pin	Stainless steel 302/304
Cover Spring	Stainless steel 302/304
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Mounting Screws	Stainless steel 302/304 combination head
Watertight Safety-Shroud® Flanged Inlet	**20 and 30A**
Housing and Flange	Gray Valox
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Closure Cap	Neoprene EPDM blend
Mounting Screws	Stainless steel 302/304 combination head

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).

Mechanical

Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation	20 and 30A, 3W: .32"-.93" (8.1-24.0mm) #16-3 Type SJ-#8-3 Type S, SO; 20 and 30A, 4W: .35"-1.15" (9.0-29.2mm) #16-4 Type SJ-#8-4 Type S, SO; 20 and 30A, 5W: .35"-1.15" (9.0-29.2mm) #16-5 Type S, SO - #8-5 Type S, SO.
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	#16- #8 AWG solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device blade holder, and are also labeled on device color coded by voltage, visible in use. Catalog No. I.D. is on device visible in use.

Environmental

Moisture Resistance	Type 4, 4X, 12, IP66 suitability.
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (w/o impact).

Note: *Suitable for use as a flanged receptacle.   *Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

Twist-Lock® Devices

Technical Information
50 Amp Twist-Lock® Devices

Specifications

Listings
Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No. 42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Part	Materials
Plug (Twist-Lock)	**50A**
Blade Holder	Thermoplastic polyester (black)
Power Blades	Brass
Terminal Set Screw	Stainless steel
Terminal Retainer	Thermoplastic polyester
Front and Rear (housing)	Supertough nylon
Cord Clamp	Thermoplastic polyester (white)
Seal	Neoprene
Seal Cup	Nylon
Box Terminal	Copper
Latches	Supertough nylon
Ground Contact Spring	One piece copper/nickel
Cord Clamp Screws	302/304 Stainless steel
Shroud	302/304 Stainless steel

Part	Materials
Connector (Twist-Lock)	**50A**
Contact Nose	Nylon (black)
Terminal Retainer	Thermoplastic polyester (black)
Terminal Set Screw	302/304 Stainless steel
Contact Spring	Brass
Assembly Ring	302/304 Stainless steel
Front and Rear (housing)	Supertough nylon (black)
Latches	Supertough nylon (white)
Cord Clamp	Thermoplastic polyester (white)
Box Terminal	Copper
Contact Holder	Thermoplastic polyester (black)
Ground Contact	One piece copper/nickel

Part	Materials
Seal Cup	Nylon
Cord Grip screws	302/304 Stainless steel
Seal	Neoprene
Flanged Inlet	**50A**
Flanged Casing	.062" Steel, zinc plate
Blade Holder	Phenolic
Pressure Screws	Steel, zinc plate
Blades	.100" Brass
Ground Spring	.025" Bronze
Terminals	.050" Steel, brass finish
Grounding Terminal	.062" Copper, green finish
Round Head Screws	Steel, zinc plate

Part	Materials
Receptacle	**50A**
Body	Phenolic
Face	Phenolic
Contact Springs	.100" Brass alloy
Contact Binding Plates	.100" Brass
Ground Contact	.031" Brass
Insulator	.093" Laminated phenolic
Bridge (Mounting Strap)	.062" Steel, zinc plate
Pressure Screws	Steel, zinc plate
Terminals	.050" Steel
Casing	.062" Steel, zinc plate
Center Pin (CS Devices)	Steel, zinc plate

Product Identification

Ratings	Molded into face for all devices and stamped into stainless steel shroud on plug devices.
Catalog Number	Molded into face for plug and connector bodies and stamped into stainless steel shroud on plug devices.

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current (UL 498).

Mechanical

Terminal Accommodation	#8 AWG min. - #4 AWG max. Solid or stranded copper wire only.
Cord Grip Accommodation	Round cords types: S, SO, ST .830"-1.250" (21.08-31.75).

Environmental

Flammability	UL 94 V0 for Receptacles and Inlets. HB or better for Plugs and Connectors.
Operating Temperatures	Maximum continuous 75°C; minimum –40°C (w/o impact).

Note: Please consult the factory for product dimensions and specifications for other products listed in this catalog.

Technical Information
Switched Twist-Lock® and Hubbellock® Enclosures

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell SETL3/SEHBL3-SE2730A.
Description	Lockable Switched Enclosure. This unit is a complete enclosure ready to accept any 20 or 30A Twist-Lock or 30A Hubbellock receptacle.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	20 or 30A, 125V through 3ØY 347/600V AC.
Configuration	NEMA Locking L5-20R through L23-30R.
Enclosure Type	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Materials
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc ¾" watertight
Enclosure Gasket	Neoprene
Shaft	Valox®
Shaft Seal	Molded neoprene
Frame	Galvanized steel
Lift Cover	Valox®
Enclosure Screws	Stainless steel 300 series
Hinge Spring and Pin	Stainless steel 300 series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V minimum.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label and receptacle face.
Weight	3.5 pounds.
Mounting	External fully adjustable feet.

Environmental	
Moisture Resistance	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Flammability	UL94 – 5 VA and V0 classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All materials are UV stabilized.

Note: This device provides on/off switched control of a plug connected load and includes lockout provision: ON-OFF control knob (in the OFF position) accepts up to a ⁵⁄₁₆" (8.0) diameter shackle of suitable padlock lockout device to isolate energy from the receptacle and cord connected equipment as a method of compliance to OSHA Lockout/Tagout Regulation 29CRF Part 1910.147.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Technical Information
Mechanical Interlock Switched Safety Enclosures

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell HBLMITL.
Description	Circuit-Lock Mechanical Interlock.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	Up to 30A, 3Ø 600V AC.
Enclosure Type	Outdoor – 4X (Watertight, Washdown); Indoor – 12K (Dust-tight, Falling Dirt and noncorrosive liquids with knockout. IP66 suitability.
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Material
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc ¾" watertight
Enclosure Gasket	Neoprene
Shaft	Valox®
Shaft Seal	Neoprene
Frame	Galvanized steel
Enclosure Screws	Stainless steel 300 series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V Min.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA.
Product Identification	Identification and ratings are part of the external label and receptacle face.
Weight	3.5 pounds.
Mounting	External full adjustable feet.

Environmental	
Moisture Resistance	Outdoor – 4X (Hose-Directed Water, Corrosion Resistance), IP66 suitability.
Flammability	Meets UL 94V0 material classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All exposed materials are UV stabilized.

Valox® is a trademark of SABIC® Innovative Plastics, acquired from General Electric Company.

Technical Information
Valise® Plugs and Connectors

Specifications

Plugs

Typical Specification - Catalog No. HBL4723VY.	
Description - Straight Body Plug	
Type – 2 Pole, 3 Wire, Grounding	
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V	
Certification – UL Listed File E1706, CSA Certified	
IP SUITABILITY – **IP20**	

Part	Material
Plug	15, 20 and 30A
Housing	Nylon
Blades	Brass
Ground Blade	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Connector Bodies

Typical Specification- Catalog No. HBL4729VY	
Description – Straight Body Connector	
Type – 2 Pole, 3 Wire, Grounding	
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V	
Certification – UL Listed File E1706, CSA Certified	
IP SUITABILITY – **IP20**	

Part	Material
Connector	15, 20 and 30A
Housing	Nylon
Contact and Ground Springs	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V, 250V or 277V AC as rated.
Current Interrupting	Certified for full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current.

Mechanical

Terminal Identification	Screw Color per UL 498 (Brass, White and Green).
Terminal Accommodation	15A-18 to 12AWG. Solid or stranded copper wire only.
	20A-18 to 10AWG. Solid or stranded copper wire only.
	30A-14 to 8AWG. Solid or stranded copper wire only.
Product Identification	Molded rating on device face.
Torque	12 in-lb terminal screws, 7 in-lb assembly screws.

Cord Range

15A	.220" to .660" (5.6mm to 16.8mm).
20A	.325" to .720" (8.26mm to 18.3mm).
30A	.590" to .930" (15.0mm to 23.6mm).

Environmental

Flammability	UL 94HB.
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact).

Standards

Listed to UL Standard UL498
Certified to CSA Standard C22.2 No. 42

Watertight Devices

FD Boxes and Angled Adapters

GFCI Protected FD Box

Watertight Devices

Features and Benefits

Watertight Safety-Shroud® Twist-Lock® System

- Virtually eliminates bent and broken plug blades, leading to longer equipment life

- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades

- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies

- Reduces exposure to arcing when connecting or disconnecting plugs under load

- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts

- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147

Note: Works with Mechanical Interlocks, see page B-41 for additional information.

Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use

Assembly

- Cord grip screw recess minimizes screwdriver slippage
- All screws are #10 multiple drive head

Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO
- Sealing gland and thermoplastic guard prevents water ingress from entering the device at the cord end

Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments
- Mounting screw recesses minimize screwdriver slippage
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices

Identification

- Catalog number and color-coded voltage rating are easily visible even when in use
- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected

Spring-Loaded Cover

- One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover

  Result: Environmental sealing is assured

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Watertight Safety-Shroud® Twist-Lock® Devices

	NEMA Rating Color Coded by Voltage	Plug/ Connector	Poles/Wires	Plug	Connector	Flanged Inlet	Receptacle
20 Amp	NEMA L5-20 20A 125V		2P/3W	HBL2311SW	HBL2313SW	HBL2315SW	HBL2310SW
	NEMA L6-20 20A 250V		2P/3W	HBL2321SW	HBL2323SW	HBL2325SW	HBL2320SW
	NEMA L7-20 20A 277V AC		2P/3W	HBL2331SW	HBL2333SW	HBL2335SW	HBL2330SW
	NEMA L14-20 20A 125/250V AC		3P/4W	HBL2411SW	HBL2413SW	HBL2415SW	HBL2410SW
	NEMA L15-20 20A 3Ø 250V AC		3P/4W	HBL2421SW	HBL2423SW	HBL2425SW	HBL2420SW
	NEMA L16-20 20A 3Ø 480V AC		3P/4W	HBL2431SW	HBL2433SW	HBL2435SW	HBL2430SW
	NEMA L21-20 20A 3ØY 120/208V AC		4P/5W	HBL2511SW	HBL2513SW	HBL2515SW	HBL2510SW
30 Amp	NEMA L5-30 30A 125V		2P/3W	HBL2611SW	HBL2613SW	HBL2615SW	HBL2610SW
	NEMA L6-30 30A 250V		2P/3W	HBL2621SW	HBL2623SW	HBL2625SW	HBL2620SW
	NEMA L14-30 30A 125/250V AC		3P/4W	HBL2711SW	HBL2713SW	HBL2715SW	HBL2710SW
	NEMA L15-30 30A 3Ø 250V AC		3P/4W	HBL2721SW	HBL2723SW	HBL2725SW	HBL2720SW
	NEMA L16-30 30A 3Ø 480V AC		3P/4W	HBL2731SW	HBL2733SW	HBL2735SW	HBL2730SW
	NEMA L17-30 30A 3Ø 600V AC		3P/4W	HBL2741SW	HBL2743SW	HBL2745SW	HBL2740SW
	NEMA L21-30 30A 3ØY 120/208V AC		4P/5W	HBL2811SW	HBL2813SW	HBL2815SW	HBL2810SW

Mechanical Interlock Switched Safety Enclosure

Description	Catalog Number
Unfused mechanical interlock integrates a watertight safety shroud receptacle with a linked disconnect switch. See page B-41 for additional information.	**HBLMITL**

HBLMITL

Specifications

Listings

Listed to UL Standard 498
Certified to CSA Standard No.42
Fed. Spec. WC-596

Environmental

Moisture Resistance	UL Type 4, 4X, 12, IP66 suitability
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (without impact)

Accessories

Non-Metallic Angle Box

Metallic Angle Box

Metallic Feed Thru Box

AB203055

AA203055

HBL2030AP

AA2030PS

Dimensions in Inches (mm)

15° Angle Non-Metallic Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**

Note: Hub is not included; order Raco part number 1704. This box meets IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

15° Angle Metallic Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
	1"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**

Metallic Feed Thru Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).

55° Angle Metallic Adapter and Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	6.80" (172.4)	5.63" (142.9)	6.60" (167.0)	4.50" (114.3)	3.74" (95.0)	-	45.27"	**AB203055**

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	4.89" (172.4)	3.33" (167.0)	4.29" (142.9)	3.75" (114.3)	2.50" (95.0)	-	25.00"	**AA203055**

Straight Watertight Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	**HBL2030AP**

Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 4¹¹⁄₁₆" square).	**AA2030PS**

Watertight Devices

Features and Benefits

Watertight Devices

- The triple bypass seal provides a Watertight UL Type 4X and IP69K seal where devices are mated

- The cone seal at the cable entrance provides protection from water ingress

- Strongest strain relief for any Watertight device on the market, utilizing the patented Gotcha ring and collapsible bushing combination

- Nickel plated brass contacts and stainless steel screws provide corrosion resistance for metallic components

- Impact resistant, smooth, thermoplastic elastomer body helps collection point and aids in easy debris removal

- Floating cap rings allows for easy removal of dirt and debris

Industry's First **IP69k** Devices

Superior water ingress protection uniquely designed for the most extreme wash down procedures, withstanding hot and high pressure water, in addition to excessively dusty environments.

Housing Design

- LED version illuminates to let you know that the device is wired properly

- Smooth body design minimizes collection points simplifying the wash down process

- Strain relief nut always seals on the body regardless of cable size, eliminating areas of debris collection

Assembly

- Keyed interior for easy installation

- All stainless steel hardware and corrosion resistant connection points

Cord Range

- Hubbell's patented Gotcha® ring and collapsible bushing yields the industry's best strain relief

- Cone seal adjusts to any cable range

- Unique cone seal prevents dirt and debris from collecting at the cable entrance

Terminals

- High conductivity brass termination

Protection

- Triple bypass seal keeps water away from electrical connections and works with previously installed devices

- Free-floating cap allows unwanted material to wash away during sanitation

Plug Blades

- Corrosion resistant connection points

NSF · UL · CSA

Features and Benefits

UL Type 4, 4X

IP65,66,67,69k*
SUITABILITY

IP69k

Watertight Receptacles with Lift Covers

Hubbell Watertight receptacles with lift covers provide an impact resistant UL Type 4X seal combined with corrosion resistant metallic components. These universal covers can house any NEMA listed straight blade receptacles as well as any NEMA listed Twist-Lock® receptacles. The Watertight receptacles can either be mounted to FD/FS boxes (see page C-9) or panel mounted to a flat surface. Combined, this makes a diversified product with the high quality needed in industrial, wet and wash down applications.

HBL60W47

HBL60W47D

Housing Design
- Impact resistant PBT material lid and cover plate
- Thermoplastic elastomer seal
- Lockable cover meets OSHA Lockout/Tagout regulations

Assembly
- Stainless steel mounting hardware
- Stainless steel hinge spring and pin

HBL14W47AWC

HBL15W47A

HBL60W47

HBL60W47D

15 Amp and 20 Amp Straight Blade Devices

	Rating	Plug/ Connector		Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover	Duplex Recept. with Lift Cover
15 Amp	NEMA 5-15 15A 125V			2P/3W	Yellow Black Clear	HBL14W47A HBL14W47BK HBL14W47AWC	HBL15W47A HBL15W47BK HBL15W47AWC	HBL60W47 HBL60W47BK —	HBL60W47D — —
	NEMA 6-15 15A 250V			2P/3W	Yellow	HBL14W49	HBL15W49	HBL60W49	HBL60W49D
20 Amp	NEMA 5-20 20A 125V			2P/3W	Yellow Clear	HBL14W33A HBL14W33AWC	HBL15W33A HBL15W33AWC	HBL60W33 —	HBL60W33D —
	NEMA 6-20 20A 250V			2P/3W	Yellow	HBL14W48	HBL15W48	HBL60W48	HBL60W48D

15 Amp Twist-Lock® Devices

	Rating	Plug/ Connector		Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover	Duplex Recept. with Lift Cover
15 Amp	NEMA L5-15 15A 125V			2P/3W	Yellow Black Clear	HBL24W47A HBL24W47BK HBL24W47AWC	HBL25W47A HBL25W47BK HBL25W47AWC	HBL65W47 — —	HBL65W47D — —
	NEMA L6-15 15A 250V			2P/3W	Yellow	HBL24W49	HBL25W49	HBL65W49	HBL65W49D
	NEMA L7-15 15A 277V AC			2P/3W	Yellow Black	HBL24W34 HBL24W34BK	HBL25W34 HBL25W34BK	HBL65W34 —	HBL65W34D —

*Note: *Single and duplex receptacles while in use, not with cover closed.*

HBL60W47D

HUBBELL® Wiring Device-Kellems

20 Amp and 30 Amp Twist-Lock® Devices

Rating	Plug/Connector		Poles/Wires	Color	Plug	Connector	Receptacle with Lift Cover
NEMA L5-20 20A 125V			2P/3W	Yellow Black Clear	HBL26W47 HBL26W47BK HBL26W47WC	HBL27W47 HBL27W47BK HBL27W47WC	HBL67W47 — —
NEMA L6-20 20A 250V			2P/3W	Yellow Black	HBL26W48 HBL26W48BK	HBL27W48 HBL27W48BK	HBL67W48 HBL67W48BK
NEMA L7-20 20A 277V AC			2P/3W	Yellow	HBL26W49	HBL27W49	HBL67W49
NEMA L14-20 20A 125/250V AC			3P/4W	Yellow	HBL26W74	HBL27W74	HBL67W74
NEMA L15-20 20A 3Ø 250V AC			3P/4W	Yellow Black	HBL26W75 HBL26W75BK	HBL27W75 HBL27W75BK	HBL67W75 HBL67W75BK
NEMA L16-20 20A 3Ø 480V AC			3P/4W	Yellow Black	HBL26W76 HBL26W76BK	HBL27W76 HBL27W76BK	HBL67W76 HBL67W76BK
NEMA L21-20 20A 3ØY 120/208V AC			4P/5W	Yellow Black	HBL26W81 HBL26W81BK	HBL27W81 HBL27W81BK	HBL67W81 —
NEMA L22-20 20A 3ØY 277/480V AC			4P/5W	Yellow	HBL26W82	HBL27W82	HBL67W82
NEMA L23-20 20A 3ØY 347/600V			4P/5W	Yellow	HBL26W83	HBL27W83	HBL67W83
20A 125/250V Non-NEMA			3P/3W	Yellow	HBL26W08	HBL27W08	HBL67W08
20A 3ØY 120/208V AC Non-NEMA			4P/4W	Yellow	HBL26W09	HBL27W09	HBL67W09
NEMA L5-30 30A 125V			2P/3W	Yellow Black	HBL28W47 HBL28W47BK	HBL29W47 HBL29W47BK	HBL69W47 —
NEMA L6-30 30A 250V			2P/3W	Yellow Black	HBL28W48 —	HBL29W48 —	HBL69W48 HBL69W48BK
NEMA L7-30 30A 277V AC			2P/3W	Yellow	HBL28W49	HBL29W49	HBL69W49
NEMA L14-30 30A 125/250V AC			3P/4W	Yellow	HBL28W74	HBL29W74	HBL69W74
NEMA L15-30 30A 3Ø 250V AC			3P/4W	Yellow Black	HBL28W75 HBL28W75BK	HBL29W75 HBL29W75BK	HBL69W75 HBL69W75BK
NEMA L16-30 30A 3Ø 480V AC			3P/4W	Yellow Black	HBL28W76 HBL28W76BK	HBL29W76 HBL29W76BK	HBL69W76 HBL69W76BK
NEMA L17-30 30A 3Ø 600V AC			3P/4W	Yellow	HBL28W77	HBL29W77	HBL69W77
NEMA L18-30 30A 3ØY 120/208V AC			4P/4W	Yellow	HBL28W78	HBL29W78	—
NEMA L21-30 30A 3ØY 120/208V AC			4P/5W	Yellow Black	HBL28W81 HBL28W81BK	HBL29W81 HBL29W81BK	HBL69W81 —
NEMA L22-30 30A 3ØY 277/480V AC			4P/5W	Yellow	HBL28W82	HBL29W82	HBL69W82
NEMA L23-30 30A 3ØY 347/600V AC			4P/5W	Yellow	HBL28W83	HBL29W83	HBL69W83
30A 125/250V Non-NEMA			3P/3W	Yellow	HBL28W08	HBL29W08	HBL69W08
30A 3ØY 120/208V AC Non-NEMA			4P/4W	Yellow	HBL28W09	HBL29W09	—

Note: *Single and duplex receptacles while in use, not with cover closed.

HBL24W47A

HBL25W47A

HBL26W47WC

HBL27W47WC

HBL26W47

HBL27W47BK

HBL27W47

HBL67W48

NSF · UL · CSA

Accessories

UL Type 4X

IP65, 66, 67
SUITABILITY

HBL6500

HBL28W75IN   **HBL29W75IN**

HBLWTCS2

HBLWTB1

HBL50W50

UL Type 4X Watertight Lift Covers

	Description	Color	Lift Cover
Lift Cover Assembly	For use with 15A or 20A straight blade receptacles and 15A Twist-Lock® receptacles; receptacle not included.	Yellow Black	**HBL6500** **HBL6500BK**
	For use with 20A Twist-Lock® receptacles; receptacle not included. *Note: When mating with **HBL26W09**, 20A Non-NEMA plug, use HBL6800 cover.*	Yellow Black	**HBL6700** **HBL6700BK**
	For use with 30A Twist-Lock® receptacles; receptacle not included.	Yellow Black	**HBL6800** **HBL6800BK**

Interiors

		125V		3Ø 250V AC		3Ø 480V AC	
	Device	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle
15A	Straight Blade Locking	**HBL14W47IN** **HBL24W47IN**	**HBL15W47IN** —	— —	— —	— —	— —
20A	Locking	—	**HBL27W47IN**	**HBL26W75IN**	—	**HBL26W76IN**	**HBL27W76IN**
30A	Locking	—	—	**HBL28W75IN**	**HBL29W75IN**	**HBL28W76IN**	**HBL29W76IN**

Bushings, Cone Seals and Closure Caps

				Closure Caps	
	Device	Bushings	Cone Seals	Yellow	Black
15A	Straight Blade Locking	**HBLWTB1** **HBLWTB1**	**HBLWTCS1** **HBLWTCS1**	**HBL50W50** **HBL50W50**	**HBL50W50BK** **HBL50W50BK**
20A	Straight Blade Locking	**HBLWTB1** **HBLWTB2**	**HBLWTCS1** **HBLWTCS2**	**HBL50W50** **HBL50W52**	**HBL50W50BK** **HBL50W52BK**
30A	Locking	**HBLWTB3**	**HBLWTCS3**	**HBL50W54**	**HBL50W54BK**

UL Type 4X

IP65,66,69k*
SUITABILITY

IP69k

Features and Benefits

FD Boxes and Angled Adapters

Hubbell FD boxes and angled adapters are made of high impact resistant material. They are the only NEC® compliant box system that has enough wiring room for a 50A Twist-Lock® device. The stainless steel mounting and grounding bracket provides corrosion resistance, necessary in direct wash down applications. The FD Boxes are UL Type 4X rated when used with Watertight Lift Covers, i.e. HBL6500 or HBL6700 as well as with a blank plate such as HBL60CM88. The box and angled adapter can either be purchased separately or as a kit. The FD box and Adapter can be used with any single or duplex receptacle up to a 50A Twist-Lock®.

HBL60CM83A

HBL60CM55

Housing Design
- 30 cu. in. FD box made of high impact thermoplastic material
- ¾" NPT and 1" NPT threaded hub options
- Stainless steel mounting/grounding bracket
- External mounting feet, accepts #10 screw

Adapter
- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Accepts duplex and single receptacles up to a 50A Twist-Lock®

FD Boxes and Angled Adapters

	Description	Catalog Number
Boxes	(2) ¾" NPT Hubs, FD Box, Yellow	**HBL60CM83A**
	(2) ¾" NPT Hubs, FD Box, White	**HBL60CM83WA**
	(2) ¾" NPT Hubs, FD Box, Gray	**HBL6083**
	(2) 1" NPT Hubs, FD Box, Yellow	**HBL60CM84A**
	(2) 1" NPT Hubs, FD Box, White	**HBL60CM84WA**
	(2) 1" NPT Hubs, FD Box, Gray	**HBL6084**
Adapters	55° Angle Adapter, Yellow	**HBL60CM55**
	55° Angle Adapter, White	**HBL60CM55W**
	55° Angle Adapter, Gray	**HBL6055**
Kits	(2) ¾" NPT Hubs, Box/Adapter Kit, Yellow	**HBL60CM83AK**
	(2) ¾" NPT Hubs, Box/Adapter Kit, White	**HBL60CM83WAK**
	(2) ¾" NPT Hubs, Box/Adapter Kit, Gray	**HBL6083AK**
	(2) 1" NPT Hubs, Box/Adapter Kit, Yellow	**HBL60CM84AK**
	(2) 1" NPT Hubs, Box/Adapter Kit, White	**HBL60CM84WAK**
	(2) 1" NPT Hubs, Box/Adapter Kit, Gray	**HBL6084AK**
Covers	Blank Cover Plate, Yellow	**HBL60CM88**
	Blank Cover Plate, White	**HBL60CM88W**
	Blank Cover Plate, Gray	**HBLP14FS**

*Note: *Plug, receptacle and FD box required for IP69K rating.*
Angled adapters are not UL listed or UL Type 4X.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

HBL60CM83A

HBL60CM55

HBL60CM88W

HBL60CM88

HBLP14FS

UL Type 4X

Features and Benefits

GFCI Protected FD Box

The GFCI protected FD box provides a UL Type 4X GFCI enclosure made for wet and damp locations for 30A 120V and 240V Watertight receptacles. The GFCI response time does not exceed .025 seconds ensuring a safe circuit shut down if the current were to deviate from its path. Auto resetting GFCI box, when connected to an FD box by utilizing a PolyTuff® liquid tight conduit provides advanced safety features for Watertight devices.

HBLWTGF120

GFCI Housing Design
- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. Max.
- Grounded neutral protection trips if ground and neutral touch at load side

FD Box
- Utilizes PolyTuff® liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- For use with single and duplex watertight receptacles (single phase only)

Note: Watertight receptacles purchased separately.

GFCI Protected FD Box

	Description	Catalog Number
FD Box	Watertight FD Box, GFCI Module, 30A 120V, Yellow	**HBLWTGF120**
	Watertight FD Box, GFCI Module, 30A 240V, Yellow	**HBLWTGF240**

HBLWTGF120
HBLWTGF240

5.92" (150)

6.44" (164)

2.77" (70)   2.27" (58)

2.27" (58)

4xN .23" (5.94) Mounting Holes

Mounting Bracket

6x #6-32 Threaded Holes

4x .187" (4.75) Mounting Holes

5.24" (133)

5.33" (135)

FD Box Catalog# HBL60CM83A (Includes Mounting Bracket)

GFCI Module (Catalog# GFHW13105, (120V) (Catalog# GFHW23105, (240V)

3.53" (90)

¾ NPT Thread

Polytuff I Conduit

2.75" (70)

(2) Liquid Tight Fitting, ¾ NPT (Catalog # P075NGYA)

18.00" (457)

Dimensions in Inches (mm)

Features and Benefits

Portable Outlet Boxes and Covers for Boxes and Panels

The thermoplastic elastomer material of the Portable Outlet Box provides a strong housing with enough capacity for multiple devices to fit, with cord feed through options available. The impact resistant PBT covers add to the durability of the box and the devices inside. There are several cord connectors available ranging from standard to deluxe, providing unmatched strain relief. The covers provide a UL Type 3R weather resistant seal suitable for wet and damp locations. Portable Outlet Boxes are available as pre-assembled or can be configured as needed.

HBL3051

HBL3056

HBL3080F

Housing Design

- Fully thermoplastic elastomer housing exceeds UL crush requirements
- Wiring room large enough to accommodate the broadest range of device requirements in one size box
- Extended wall protects lift covers from impact damage
- Brass inserts for maximum strength

Covers

- Impact resistant PBT material
- UL Type 3R seal on a panel or on a portable outlet box
- Stainless steel hinge and spring

Pre-Assembled Portable Outlet Boxes (with Cord Connector Installed)

	Description	Cord Range Inches (mm)	Catalog Number
Boxes	Portable Outlet Box, Deep, Yellow	.38"-.50" (9.7-12.7)	**HBL3099**
	Portable Outlet Box, Deep, Feed Thru, Yellow	.38"-.50" (9.7-12.7)	**HBL3090F**
	Portable Outlet Box, Deep, Yellow with (2) duplex plates	.38"-.50" (9.7-12.7)	**HBL3000**

HBL3099

HBL3090F

HBL3000

Configurable Portable Outlet Boxes

	Empty Box Options	Catalog Number	Cord Range Inches (mm)	Cord Connector Options		Deluxe Cord Connectors
				Gray Nylon	Black Nylon	
Boxes	Outlet Box, Yellow Outlet Box, Black Feed Thru Box, Yellow Feed Thru Box, Black	**HBL3080 HBL3080BK HBL3080F HBL3080FBK**	.38"-.50" (9.7-12.7)	**SHC1039CR**	—	—
			.50"-.63" (12.7-15.9)	**SHC1040CR**	**SHC2040CR**	**CG810NM**
			.63"-.75" (15.9-19.0)	**SHC1041CR**	**SHC2041CR**	**074011341**
			.75"-.88" (19.0-22.2)	**SHC1042CR**	**SHC2042CR**	**074011342**
			.88"-1.00" (22.2-25.4)	**SHC1043CR**	**SHC2043CR**	**074011343**
	Note: Includes Locknut.		.59"-1.00" (15.0-25.4)	**SEC100GA**	**SEC100BA**	—

HBL3080BK

HBL3080F

Covers for Portable Outlet Boxes and Panels

	Description	UL Type 3R	UL Type 1
Box Covers	Outlet box cover, duplex receptacle	**HBL3056**	**HBL3051**
	Outlet box cover, 1.39" diameter receptacle	**HBL3057**	**HBL3052**
	Outlet box cover, 1.572" diameter receptacle	**HBL3058**	**HBL3055**
	Outlet box cover; GFCI	**HBL3061**	**HBL3060**
	Outlet box coverplate, blank	**HBL3054**	—

UL Type 3R

HBL3056 **HBL3057**

UL Type 1

HBL3051 **HBL3052**

HBLPOB1

Cover Plates

**Deluxe Cord Grips
(purchased separately)**

**Gray Nylon
Cord Connector**

Heavy Duty Portable Outlet Boxes and Cover Plates

Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	**HBLPOB1**
Box with cord strain relief, with one blank cover plate, black.	**HBLPOB1BK**
Box with cord strain relief, with two duplex (indoor) cover plates.	**HBLPOB1D**
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	**HBLPOB1DY**
Blank, non-metallic FS cover plate with foam gasket, gray.	**HBLP14FS**
Duplex, non-metallic FS cover plate, gray.	**HBLP8FS**
Duplex, non-metallic FS cover plate, yellow.	**HBLP8FSY**
Single receptacle (1.39"), non-metallic FS cover plate, gray.	**HBLP7FS**
Single receptacle (1.56"), non-metallic FS cover plate, gray.	**HBLP720FS**
Rectangular opening, non-metallic FS cover plate, gray.	**HBLP26FS**

Other Cover Plates and Devices
which may be used with Heavy Duty Portable Outlet Boxes

Description	Catalog Number
Duplex cover plate, weatherproof.	**HBL5221, HBL52CM21**
Single receptacle (1.39") cover plate, weatherproof.	**HBL7423WO, HBL74CM23WO**
Single receptacle (1.56") cover plate, weatherproof.	**HBL7425WOA, HBL74CM25WOA**
Safety-Shroud Twist-Lock® surface receptacles.	**HBL2310SR, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR**

Note: Standard product gray, CM yellow.

Deluxe Cord Grips Straight Male Thread
Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range Inches	(cm.)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500"	(.97-1.27)	¾"	F3	**074011335**
.500"-.625"	(1.27-1.59)	¾"	F3	**074011336**
.625"-.750"	(1.59-1.90)	¾"	F3	**074011337**

Nylon Cord Connector Straight Male Thread

Grip Diameter Range Inches	(cm.)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500"	(.97-1.27)	¾"	F3	**SHC1035CR**
.500"-.625"	(1.27-1.59)	¾"	F3	**SHC1036CR**
.625"-.750"	(1.59-1.90)	¾"	F3	**SHC1037CR**

Specifications for Heavy Duty Portable Outlet Boxes and Cover Plates

UL Listed	UL 514C, UL467 and UL50 Enclosures Types 1, 3R.
CSA Certified	C22.2 No. 18 and C22.2 No. 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance).
Box Specifications:	
Moisture Resistance	Wet and damp locations, Enclosure Type 3R when used with weatherproof cover plates. Dry, indoors locations, Enclosure Type 1 with all other cover plates.
Flammability	UL 94V-0, 94-5VA classification.
Operating Temperature	80°C maximum; -35°C minimum.
UV Resistance	All materials are UV stabilized.
Impact and Crush Resistance	in accordance with UL 514C, UL50, C22.2 No. 18 and C22.2 No. 94.
Material	Valox®.
Cord Connector Materials	Nylon nut; Nylon Gotcha® ring; Neoprene grommet.
Cord Diameter Range	.38" to .75" diameter.
Bonding Strap Material	Brass.
Threaded Inserts	Brass.
Grounding Screw Material	Brass.
Indoor Cover Plate Screws Material	Zinc Plated Steel.
Outdoor Cover Plate Screws Material	Stainless Steel.
Cover Plate Gasket Material	UL recognized closed-cell foam (aging and oil resistant).

Dimensions

3.18" (80.8) — 32 CU-IN — 4.20" (106.7) — 4.82" (122.4) — 5.38" (136.7) — 2.84" (72.1) — 4.56" (115.8)

HBLPOB1

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Plugs and Connectors Inches (mm)

		15A & 20A Straight Blade	15A Non-NEMA Straight Blade	15A Twist-Lock®	20A Twist-Lock®	30A Twist-Lock®
Plugs	A	1.85" (47.07)	1.63" (41.40)	1.85" (47.07)	2.51" (63.70)	2.77" (70.41)
	B	3.16" (80.27)	2.68" (68.00)	3.21" (81.46)	3.96" (100.69)	3.94" (99.98)
Connectors	C	1.85" (47.07)	1.80" (46.00)	1.85" (47.07)	2.51" (63.70)	2.77" (70.41)
	D	4.42" (112.14)	4.00" (102.00)	4.62" (117.22)	5.69" (144.55)	5.67" (144.00)

Note: For HBL26W09 and HBL27W09 use 30A Twist-Lock® dimensions.

Receptacles with Lift Covers Inches (mm)

	15A & 20A Straight Blade	15A Twist-Lock®	20A Twist-Lock®	20A Non-NEMA	30A Twist-Lock®	30A Non-NEMA
A	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)
B	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)
C	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)
D	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)
E	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)
F	1.26" (32.0)	1.46" (37.1)	1.72" (43.7)	2.26" (57.4)	1.72" (43.7)	1.97" (50.0)
G	1.63" (41.4)	1.63" (41.4)	2.25" (57.2)	2.25" (57.2)	2.25" (57.2)	2.25" (57.2)
H	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)

Ø .36"
(9.14)

Portable Outlet Boxes Inches (mm)

	Pre-Assembled	Configurable
A	4.30" (109.2)	4.30" (109.2)
B	5.00" (127.0)	5.00" (127.0)
C	2.77" (70.4)	2.77" (70.4)
D	3.28" (83.3)	3.28" (83.3)
E	5.79" (147.0)	—
F	7.28" (184.9)	—

Box Covers Inches (mm)

	Covers
A	3.78" (96.0)
B	2.28" (57.9)
C	0.27" (6.9)
D	3.28" (83.3)
E	1.87" (47.5)
F	3.25" (82.6)

Note: Style shown is representative of all oppenings.

Drill Points
Provided

Gasket Coverplate,
Adhesive On One Side

Dimensions in Inches (mm)

Watertight Devices

Materials

Plug/Connector

Part	Materials
Blade/Contact Carrier	Nylon, white
Terminal Retainer	Polycarbonate, clear
Housing	Thermoplastic elastomer
Housing Insert	Nylon, white
Strain Relief Nut	PBT thermoplastic, gray
Blades/Contacts	Brass, nickel plated
Terminal Screws	Brass
Terminal Screw Size	#8-32 15A/20A Straight Blade and 15A Twist-Lock®; #10-32 20A and 30A Twist-Lock
Assembly Screws	Stainless Steel
Bushings	Thermoplastic elastomer, black
Gotcha Ring	Nylon
Cone Seal	Thermoplastic elastomer, black
Closure Cap	Thermoplastic elastomer

Receptacle Assembly

Part	Materials
Base, Flip Lid and Backplate	PBT
Seal Collar	Thermoplastic elastomer
Mounting Screws	Stainless Steel
Spring and Hinge Pin	Stainless Steel

Portable Outlet Box and Accessories

Part	Materials
Box Enclosure	Thermoplastic elastomer
Strain Relief Nut	PBT
Grommet	Thermoplastic elastomer
Gotcha Ring	Nylon
Locknut	Steel, zinc plate
Threaded Inserts	Brass
Receptacle Screw	Stainless steel
Cover Plate	PBT
Cover Plate Seal	Neoprene
Cover Plate Spring	Stainless steel
Hinge Pin	Stainless steel
Hinge Bracket	Zinc plated steel
Rivets	Zinc plated steel

Specifications

Listings (Plug/Connector and Flip Lid Assembly)

Listed to UL498
Certified to CSA C22.2 No. 42
Meets NEMA WD-1, WD-6, and ANSI standards
IP66 Suitability
NSF Certified (Plugs, Connectors and Receptacles)

FD Box/Adapter

Part	Materials
Box Enclosure	PBT
Ground Bracket	316 Stainless Steel
Ground Screw	Brass
Angle Adapter	PBT

Environmental

Box	UL Type 4X (with UL Type 4X receptacle assembly) UL Type 3R (with weatherproof cover plate)

Performance

Electrical

Dielectric Voltage	
Connectors:	2000V AC if rated 300V or less; 3000V AC if rated above 300V
Plugs:	2500V AC if rated 300V or less; 3500V AC if rated above 300V
Max Working Voltage	As marked
Current Interrupting	Rated for current interruption per UL498
Temperature Rise	30°C max per UL498 at rated current

Mechanical

Cord and terminal accommodations:

Plugs and Connectors

15 and 20A Straight Blade and 15A Locking	16/3 SJ to 10/3 SJ, 18/3 S to 12/3 S, (Ø.325" to Ø625") (Ø8.3mm to Ø15.9 mm)
20A Locking Except HBL26W09 & HBL27W09	Min. Cord: 16/3 SJ, 18/3 S, 18/4 SJ, 18/4 S, 18/5 S, (Ø.325") (Ø8.3 mm) Max. Cord: 10/3 S, 10/4 S, 10/5 S (.875") (22.2 mm)
30A Locking Including HBL26W09 & HBL27W09	Min Cords: 12/3 SJ, 16/3 S, 14/4 SJ, 18/4 S, 18/5 S, (Ø.375") (Ø9.5 mm) Max Cord: 8/3 S, 8/4 S, 10/5 S (1.125") (28.6 mm)

Receptacles – use solid or stranded building wire or flexible cord only as outlined below:

All Straight Blade	18 AWG to 10 AWG
15A Locking	18 AWG to 10 AWG
20A and 30A Locking	18 AWG to 8 AWG

Portable Outlet Boxes

Cord Range	.38" to .68" (HBL3099, HBL3090F, HBL3000) and .38" to 1.00" with user-specified cord connector
Wiring Volume	19.0 in^3

Environmental

Moisture Resistance	UL Listed to 3R, 3RX, 4, 4X, 6, 6P, 12 (Plugs and connectors); 3R, 3RX, 4, 4X (Receptacles); Wet and Damp Locations (Portable outlet boxes); Covers (POB) UL Type 3R and Wet Locations cover closed
Flammability	UL94V0 (boxes, covers, and plates); UL94V2 (Plugs, connectors, and interiors); UL94HB (Caps, bushings, and cone seals)
Operating Temperatures	-40°C (without impact) to +60°C continuous
UV Resistance	All exposed materials are UV stabilized

Table of Contents

HBL® Extra Heavy Duty Industrial Grade Switches	SNAPConnect® Toggle and Decorator Switches	Pre-Wired/Leaded Commercial Switches

Switches

Features and Benefits

HBL® Extra Heavy Duty Industrial Grade

The HBL® Switch provides the safest and most reliable design for heavy-duty Industrial environments.

- 15, 20 and 30 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Locking Both Standard and Rotary
- 3 Position Momentary and Maintained
- Abuse Resistant Nylon Toggle

Housing Design

- One-piece design engineered thermoset base for superior heat dissipation
- One-piece design high impact-resistant thermoplastic front for heavy-duty industrial environments
- Stainless steel automatic grounding clip assures grounding continuity between mounting strap and metal wall box

Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring

Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel nickel plated mounting strap provides a superior corrosion resistant finish
- Thread cleaning captive mounting screw

Toggle

- Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation

Identification

- Color coded base identifies amperage when terminating connections, 15A (Blue), 20A (Red) and 30A (Green)
- Prominent amperage marking allows easy identification of rating

Contacts

- One-piece rivetless copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Large silver alloy contacts reduce contact erosion and prevent welding, providing long life

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

HBL® Extra Heavy Duty Industrial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	HBL1201BK	—	HBL1203BK	HBL1204BK
	Brown	HBL1201	HBL1202	HBL1203	HBL1204
	Gray	HBL1201GY	—	HBL1203GY	HBL1204GY
	Ivory	HBL1201I	HBL1202I	HBL1203I	HBL1204I
	Light Almond	HBL1201LA	—	—	—
	Red	HBL1201R	—	—	—
	White	HBL1201W	—	HBL1203W	HBL1204W

HBL1221

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	HBL1221BK	HBL1222BK	HBL1223BK	HBL1224BK
	Brown	HBL1221	HBL1222	HBL1223	HBL1224
	Gray	HBL1221GY	HBL1222GY	HBL1223GY	HBL1224GY
	Ivory	HBL1221I	HBL1222I	HBL1223I	HBL1224I
	Light Almond	HBL1221LA	HBL1222LA	HBL1223LA	HBL1224LA
	Red	HBL1221R	HBL1222R	HBL1223R	HBL1224R
	White	HBL1221W	HBL1222W	HBL1223W	HBL1224W

30A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle.	Brown	HBL3031	HBL3032	HBL3033	—
	Ivory	HBL3031I	HBL3032I	HBL3033I	—
	White	—	HBL3032W	—	—

HBL3031

HBL® Extra Heavy Duty Industrial Locking Series, 15A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Key Guide, back and side wired.	Black	HBL1201L	HBL1202L	HBL1203L	HBL1204L
	Gray	HBL1201LG	HBL1202LG	HBL1203LG	HBL1204LG
	Ivory	HBL1201LI	HBL1202LI	HBL1203LI	HBL1204LI
	White	HBL1201LW	HBL1202LW	HBL1203LW	HBL1204LW
Key for Locking switch.	HBL1209				

HBL1221L and Key

20A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Key Guide, back and side wired.	Black	HBL1221L	HBL1222L	HBL1223L	HBL1224L
	Gray	HBL1221LG	HBL1222LG	HBL1223LG	HBL1224LG
	Ivory	HBL1221LI	HBL1222LI	HBL1223LI	HBL1224LI
	White	HBL1221LW	HBL1222LW	HBL1223LW	HBL1224LW
Key for Locking switch.	HBL1209				

Operates current style AC locking switches (e.g.: HBL1221L).

Operates old style AC locking switches (e.g.: 1221L).

(One key furnished with each locking switch.)

HBL1209

HBL® Extra Heavy Duty Industrial AC Barrel Key Locking Switch†, 20A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Chrome operator, back and side wired.	Chrome	HBL1221RKL*	HBL1222RKL*	HBL1223RKL*	HBL1224RKL*
Replacement Barrel Key.	HBL1209RKL				

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
  *Not Fed. Spec.
  †See Wallplate section, page O-17 for locking switch wallplates.
  See page D-15 for accessories and page D-16 for wallplates.
  See page D-22 for technical information.

HBL1222RKL and Key

Dimensions in Inches (mm)

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

HBL1221ILC

1.25" (31.8)
#6-32 TAP
2.33" (59.1)
3.28" (83.2)
2.28" (57.9)
1.13" (28.7)

HBL1221PL

1.25" (31.8)
#6-32 TAP
2.33" (59.1)
3.28" (83.2)
2.28" (57.9)
1.13" (28.7)

INSERT
ACTUATE
INSERT
Operates current style AC locking switches (e.g.: HBL1221L).
Operates old style AC locking switches (e.g.: 1221L).
(One key furnished with each locking switch.)

HBL1209

1.25" (31.8)
#6-32 TAP
2.37" (60.2)
3.28" (83.3)
1.31" (33.2)

HBL1381

1.25" (31.8)
#6-32 TAP
2.37" (60.2)
3.28" (83.3)
1.31" (33.2)

HBL1386I

Dimensions in Inches (mm)

HBL® Extra Heavy Duty Industrial Series, Illuminated Toggle Switches, Light ON with Load OFF

Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	Ivory	15A 120/277V AC	**HBL1201IL**	—	**HBL1203IL**
	Ivory	20A 120/277V AC	**HBL1221IL**	—	**HBL1223IL**
	Clear		**HBL1221ILC**	—	**HBL1223ILC**
	Red		**HBL1221ILR**	—	—

HBL® Extra Heavy Duty Industrial Series, Pilot Light Switches, Light ON with Load ON

Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	Red	15A 120/277V AC	**HBL1201PL**	—	**HBL1203PL**
	Red	20A 120/277V AC	**HBL1221PL**	**HBL1222PL**	**HBL1223PL**
	Clear		**HBL1221PLC**	—	**HBL1223PLC**
	Green		**HBL1221PLG**	—	—
	Red	30A 120/277V AC	**HBL3031PL**	**HBL3032PL**	—

HBL® Extra Heavy Duty Industrial Series, Momentary Contact, Specification Grade, Three Position, Two Circuit, Center OFF

Description	Toggle Color	15A, 120/277V AC	20A, 120/277V AC
Nylon toggle, back and side wired.	Brown	**HBL1556**	**HBL1557**
	Gray	**HBL1556GY**	**HBL1557GY**
	Ivory	**HBL1556I**	**HBL1557I**
	Light Almond	**HBL1556LA**	**HBL1557LA**
	Red	**HBL1556R**	—
	White	**HBL1556W**	**HBL1557W**
Key guide, back and side wired.	Black	**HBL1556L**	**HBL1557L**
	Gray	**HBL1556LG**	**HBL1557LG**
	Ivory	**HBL1556LI**	**HBL1557LI**
	White	**HBL1556LW**	**HBL1557LW**
Key for Locking switch.		**HBL1209**	

HBL® Extra Heavy Duty Industrial Series, Maintained Contact, Specification Grade, Three Position, Two Circuit, Center OFF, Single Pole, Double Throw

Description	Toggle Color	15A 120/277V AC	20A 120/277V AC	30A 120/277V AC
Nylon toggle, back and side wired.	Brown	**HBL1381**	**HBL1385**	—
	Ivory	**HBL1381I**	**HBL1385I**	—
	White	—	**HBL1385W**	—

Three Position, Two Circuit, Center OFF, Double Pole, Double Throw

Description	Toggle Color	15A 120/277V AC	20A 120/277V AC	30A 120/277V AC
Nylon toggle, back and side wired.	Brown	**HBL1382**	**HBL1386**	**HBL1388**
	Ivory	**HBL1382I**	**HBL1386I**	**HBL1388I**
Locking.		—	**HBL1386L**	—
Key for Locking switch.		—	**HBL1209**	—

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

HBL® Extra Heavy Duty Industrial Series, 15A, 347V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown	**HBL18201CN**	—	**HBL18203CN**	—
	Ivory	**HBL18201ICN**	—	**HBL18203ICN**	**HBL18204ICN**
	White	**HBL18201WCN**	—	**HBL18203WCN**	—
Locking.		**HBL18201LCN**	—	**HBL18203LCN**	—
Key for Locking switch.		**HBL1209***			

HBL18221CN

20A, 347V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown	**HBL18221CN**	—	**HBL18223CN**	—
	Ivory	**HBL18221ICN**	—	**HBL18223ICN**	—
	White	**HBL18221WCN**		**HBL18223WCN**	

PresSwitch® Specification Grade Push Button, Standard Type 20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon actuator, side wired only.	Brown	**HBL1281**	**HBL1282**	**HBL1283***	**HBL1284***
	Ivory	**HBL1281I**	**HBL1282I**	**HBL1283I***	**HBL1284I***

HBL1281

Momentary Type** 20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Circuit normally closed, side wired only.	Brown	**HBL1281MC***	—	—	—
Circuit normally open, side wired only.	Brown	**HBL1281MO***	—	—	—

Illuminated and Pilot Light PresSwitch®, 120V AC Lighted Actuator, Light ON with Load OFF**

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
15A, nylon actuator.	Ivory	—	—	—	**HBL1259I***
20A, nylon actuator.	Ivory	**HBL1287I**	—	**HBL1288I***	—

HBL1297

Pilot Light Actuator, Light ON with Load ON, 20A, 120V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon actuator.	Red	**HBL1297**	—	**HBL1298***	—

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
*Not UL Listed, CSA Certified.
**Not HP rated.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Hubbell-PRO Heavy Duty Industrial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**1201BK**	—	**1203BK**	—
	Brown	**1201B**	—	**1203B**	—
	Gray	**1201GY**	—	**1203GY**	—
	Ivory	**1201I**	—	**1203I**	—
	Light Almond	**1201LA**	—	**1203LA**	—
	White	**1201W**	—	**1203W**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**1221BK**	**1222BK**	**1223BK**	**1224BK**
	Brown	**1221B**	**1222B**	**1223B**	**1224B**
	Gray	**1221GY**	**1222GY**	**1223GY**	**1224GY**
	Ivory	**1221I**	**1222I**	**1223I**	**1224I**
	Light Almond	**1221LA**	**1222LA**	**1223LA**	**1224LA**
	Red	**1221R**	**1222R**	**1223R**	**1224R**
	White	**1221W**	**1222W**	**1223W**	**1224W**

Hubbell-PRO Pre-Wired/Leaded Heavy Duty Industrial Series, 20A, 120/277V AC - 8 Inch #12 AWG THHN

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Pre-wired leads.	Black	**1221PWBK**	**1222PWBK**	**1223PWBK**	**1224PWBK**
	Brown	**1221PWB**	**1222PWB**	**1223PWB**	**1224PWB**
	Gray	**1221PWGY**	**1222PWGY**	**1223PWGY**	**1224PWGY**
	Ivory	**1221PWI**	**1222PWI**	**1223PWI**	**1224PWI**
	Light Almond	**1221PWLA**	**1222PWLA**	**1223PWLA**	**1224PWLA**
	Red	**1221PWR**	**1222PWR**	**1223PWR**	**1224PWR**
	White	**1221PWW**	**1222PWW**	**1223PWW**	**1224PWW**

Hubbell-PRO Hospital Call Switch with Lanyard, 20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Gray	**HBL1221GHCS**	—	—	—
	Ivory	**HBL1221IHCS**	—	—	—
	White	**HBL1221WHCS**	—	—	—

Note: See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

1201BK

1221I

1221PWI

HBL1221IHCS

Dimensions in Inches (mm)

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Features and Benefits

SNAPConnect® Heavy Duty Toggle and Decorator Series

SNAPConnect® Devices offer superior installation efficiency for new construction and renovations, while delivering safe, reliable connections. Instead of conventional wiring methods, SNAPConnect's modular connector is installed during rough-in in lieu of pigtails. Once the walls are up, the protective covering is removed and the terminal is simply snapped into the SNAPConnect device for a consistent connection every time. Once installed, SNAPConnect's modular design enables simple device change-out by maintenance personnel.

- SNAPConnect® Eliminates Exposed Live Terminals on the Device
- Complete Trim-Out in Less Than One Minute
- Abuse Resistant Nylon Toggle for Heavy Use Applications
- Stainless Steel Autoground
- Large Silver Alloy Contacts Reduce Contact Erosion Providing Long Life
- Many of these Products are Assembled in USA, Please Contact Hubbell with any Certification Requirements

Housing Design
- Thermoplastic top and base material
- Steel, zinc plated bridge is corrosion resistant
- Thread cleaning captive mounting screw

Assembly
- SNAPConnect® eliminates exposed live terminals on the device
- Termination method uses a SNAP-In Connector. Wiring the connector into the wall box can be done prior to trim out; changing or replacing switches is also a "SNAP"

LED Technology
- Pilot and Illuminated versions use LEDs for longer life

Pigtailed Connectors
- Clear right angle terminal, 6 inch leads, solid or stranded wire
  - 3 wire connector for single pole and single pole illuminated
  - 4 wire connector for single pole pilot light switch
  - 4 wire connector for three way and three way illuminated

**SNAP*Connect*® Specification Grade Toggle Series,
15A, 120/277V AC**

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Toggle.	Black	**SNAP1201BKNA**	—	**SNAP1203BKNA**	—
	Brown	**SNAP1201BRNA**	—	**SNAP1203BRNA**	—
	Gray	**SNAP1201GYNA**	—	**SNAP1203GYNA**	—
	Ivory	**SNAP1201INA**	—	**SNAP1203INA**	—
	Lt. Almond	**SNAP1201LANA**	—	**SNAP1203LANA**	—
	Red	**SNAP1201RNA**	—	**SNAP1203RNA**	—
	White	**SNAP1201WNA**	—	**SNAP1203WNA**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Toggle.	Black	**SNAP1221BKNA**	—	**SNAP1223BKNA**	—
	Brown	**SNAP1221BRNA**	—	**SNAP1223BRNA**	—
	Gray	**SNAP1221GYNA**	—	**SNAP1223GYNA**	—
	Ivory	**SNAP1221INA**	—	**SNAP1223INA**	—
	Lt. Almond	**SNAP1221LANA**	—	**SNAP1223LANA**	—
	Red	**SNAP1221RNA**	—	**SNAP1223RNA**	—
	White	**SNAP1221WNA**	—	**SNAP1223WNA**	—

**Illuminated, Light ON with Load OFF,
15A, 120/277V AC**

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON with Load OFF, Toggle, Blue LED.	Black	**SNAP1201ILBKNA**	—	**SNAP1203ILBKNA**	—
	Ivory	**SNAP1201ILINA**	—	**SNAP1203ILINA**	—
	Red	**SNAP1201ILRNA**	—	**SNAP1203ILRNA**	—
	White	**SNAP1201ILWNA**	—	**SNAP1203ILWNA**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON with Load OFF, Toggle, Blue LED.	Black	**SNAP1221ILBKNA**	—	**SNAP1223ILBKNA**	—
	Ivory	**SNAP1221ILINA**	—	**SNAP1223ILINA**	—
	Red	**SNAP1221ILRNA**	—	**SNAP1223ILRNA**	—
	White	**SNAP1221ILWNA**	—	**SNAP1223ILWNA**	—

**Pilot, Light ON with Load ON,
15A, 120/277V AC**

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON with Load ON, Toggle, Red LED.	Black	**SNAP1201PLBKNA**	—	—	—
	Ivory	**SNAP1201PLINA**	—	—	—
	Red	**SNAP1201PLRNA**	—	—	—
	White	**SNAP1201PLWNA**	—	—	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON with Load ON, Toggle, Red LED.	Black	**SNAP1221PLBKNA**	—	—	—
	Ivory	**SNAP1221PLINA**	—	—	—
	Red	**SNAP1221PLRNA**	—	—	—
	White	**SNAP1221PLWNA**	—	—	—

Jumper/Tester

Description	Catalog Number
Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator.	**SNAPSWJUMP**
Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator.	**SNAP3WJUMP**

SNAP*Connect*® Switch Pigtailed Connector

Description	3 Wire Connector for Single Pole and Single Pole Illuminated	4 Wire Connector for Single Pole with Pilot Light	4 Wire Connector for 3 Way and 3 Way Illuminated
Clear right angle terminal, 6 inch leads, solid wire.	**SNAPSP1NA**	**SNAPSPP1NA**	**SNAP3W1NA**
Clear right angle terminal, 6 inch leads, stranded wire.	**SNAPSP2NA**	**SNAPSPP2NA**	**SNAP3W2NA**

*Note: See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.*

*** Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.***

Left column images and dimensions

.88" (22.4)
1.74" (44.1)
2.38" (60.3)
4.18" (106.2)
#6-32 TAP
1.30" (33.0)

SNAP1201INA

.88" (22.4)
1.74" (44.1)
2.38" (60.3)
4.18" (106.2)
#6-32 TAP
1.30" (33.0)

SNAP1221BKNA

1.74" (44.1)
2.48" (63.0)
Ø .19" (4.7)
1.20" (30.6)

SNAPSWJUMP

SNAPSP1NA

SNAPSPP1NA

SNAP3W1NA

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

SNAP*Connect*® Specification Grade Style Line® Decorator Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Rocker.	Black	SNAP2101BKNA	–	SNAP2103BKNA	–
	Brown	SNAP2101BRNA	–	SNAP2103BRNA	–
	Gray	SNAP2101GYNA	–	SNAP2103GYNA	–
	Ivory	SNAP2101INA	–	SNAP2103INA	–
	Lt. Almond	SNAP2101LANA	–	SNAP2103LANA	–
	Red	SNAP2101RNA	–	SNAP2103RNA	–
	White	SNAP2101WNA	–	SNAP2103WNA	–

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Rocker.	Black	SNAP2121BKNA	–	SNAP2123BKNA	–
	Brown	SNAP2121BRNA	–	SNAP2123BRNA	–
	Gray	SNAP2121GYNA	–	SNAP2123GYNA	–
	Ivory	SNAP2121INA	–	SNAP2123INA	–
	Lt. Almond	SNAP2121LANA	–	SNAP2123LANA	–
	Red	SNAP2121RNA	–	SNAP2123RNA	–
	White	SNAP2121WNA	–	SNAP2123WNA	–

Illuminated, Light ON with Load OFF, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON with Load OFF, Rocker, Blue LED.	Black	SNAP2101ILBKNA	–	SNAP2103ILBKNA	–
	Ivory	SNAP2101ILINA	–	SNAP2103ILINA	–
	Red	SNAP2101ILRNA	–	SNAP2103ILRNA	–
	White	SNAP2101ILWNA		SNAP2103ILWNA	

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON with Load OFF, Rocker, Blue LED.	Black	SNAP2121ILBKNA	–	SNAP2123ILBKNA	–
	Ivory	SNAP2121ILINA	–	SNAP2123ILINA	–
	Red	SNAP2121ILRNA	–	SNAP2123ILRNA	–
	White	SNAP2121ILWNA		SNAP2123ILWNA	

Pilot, Light ON with Load ON, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON with Load ON, Rocker, Red LED.	Black	SNAP2101PLBKNA	–	–	–
	Ivory	SNAP2101PLINA	–	–	–
	Red	SNAP2101PLRNA	–	–	–
	White	SNAP2101PLWNA			

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON with Load ON, Rocker, Red LED.	Black	SNAP2121PLBKNA	–	–	–
	Ivory	SNAP2121PLINA	–	–	–
	Red	SNAP2121PLRNA	–	–	–
	White	SNAP2121PLWNA			

Jumper/Tester

Description	Catalog Number
Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator.	SNAPSWJUMP
Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator.	SNAP3WJUMP

SNAP*Connect*® Switch Pigtailed Connector

Description	3 Wire Connector for Single Pole and Single Pole Illuminated	4 Wire Connector for Single Pole with Pilot Light	4 Wire Connector for 3 Way and 3 Way Illuminated
Clear right angle terminal, 6 inch leads, solid wire.	SNAPSP1NA	SNAPSPP1NA	SNAP3W1NA
Clear right angle terminal, 6 inch leads, stranded wire.	SNAPSP2NA	SNAPSPP2NA	SNAP3W2NA

Note: See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

#6-32 TAP
Self Grounding Clip
4.28" (108.6)
3.28" (83.3)
2.78" (70.6)
1.11" (28.2)
1.44" (30.5)

SNAP2101INA

#6-32 TAP
Self Grounding Clip
4.28" (108.6)
3.28" (83.3)
2.78" (70.6)
1.11" (28.2)
1.44" (30.5)

SNAP2121ILINA

1.74" (44.1)
2.48" (63.0)
Ø .19" (4.7)
1.20" (30.6)

SNAPSWJUMP

SNAPSP1NA

SNAPSPP1NA

SNAP3W1NA

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Features and Benefits

Specification Grade Commercial Series

Toggle, rocker and specialty switches - Hubbell designs and manufactures these switches in a wide variety of styles and colors.

- 15 and 20 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Night Light
- Style Line® Decorator
- Low voltage DC offering

Housing Design

- Engineered thermoplastic housing is impact-resistant for heavy-duty commercial environments
- Stainless steel automatic grounding staple assures grounding continuity between mounting strap and metal wall box

Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring

Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel zinc plated mounting strap provides protection against corrosion
- Thread cleaning captive mounting screw

Toggle

- Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation

Identification

- Prominent amperage marking on mounting strap allows easy identification of rating

Contacts

- Copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Silver alloy contacts reduce contact erosion and prevent welding, providing long life

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Toggle Specification Grade Commercial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**CSB115BK**	**CSB215BK**	**CSB315BK**	**CSB415BK**
	Brown	**CSB115**	**CSB215**	**CSB315**	**CSB415**
	Gray	**CSB115GY**	**CSB215GY**	**CSB315GY**	**CSB415GY**
	Ivory	**CSB115I**	**CSB215I**	**CSB315I**	**CSB415I**
	Light Almond	**CSB115LA**	**CSB215LA**	**CSB315LA**	**CSB415LA**
	White	**CSB115W**	**CSB215W**	**CSB315W**	**CSB415W**

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**CSB120BK**	**CSB220BK**	**CSB320BK**	**CSB420BK**
	Brown	**CSB120**	**CSB220**	**CSB320**	**CSB420**
	Gray	**CSB120GY**	**CSB220GY**	**CSB320GY**	**CSB420GY**
	Ivory	**CSB120I**	**CSB220I**	**CSB320I**	**CSB420I**
	Light Almond	**CSB120LA**	**CSB220LA**	**CSB320LA**	**CSB420LA**
	Red	**CSB120R**	**CSB220R**	**CSB320R**	**CSB420R**
	White	**CSB120W**	**CSB220W**	**CSB320W**	**CSB420W**

CSB120

Toggle Specification Grade Commercial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, side wired only.	Black	**CS115BK**	—	**CS315BK**	—
	Brown	**CS115**	—	**CS315**	—
	Gray	**CS115GY**	—	**CS315GY**	—
	Ivory	**CS115I**	—	**CS315I**	—
	Light Almond	**CS115LA**	—	**CS315LA**	—
	White	**CS115W**	—	**CS315W**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, side wired only.	Black	**CS120BK**	—	**CS320BK**	—
	Brown	**CS120**	—	**CS320**	—
	Gray	**CS120GY**	—	**CS320GY**	—
	Ivory	**CS120I**	—	**CS320I**	—
	Light Almond	**CS120LA**	—	**CS320LA**	—
	White	**CS120W**	—	**CS320W**	—

CS115I

Framed Toggle Specification Grade Commercial Series, 20A, 120V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Ivory	**CSB120IF**	—	**CSB320IF**	—
	Light Almond	**CSB120LAF**	—	**CSB320LAF**	—
	White	**CSB120WF**	—	**CSB320WF**	—

Note: See page D-13 for pre-wired/leaded devices.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

CSB120IF

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

CSL120

1.25" (31.8)
#6-32 TAP
3.28" (83.3)
2.38" (60.5)
2.28" (57.9)
1.13" (28.7)
1.31" (33.2)

Pre-Wired/Leaded Toggle Spec. Grade Commercial Series, 15A, 120/277V AC - 8" #12 AWG THHN

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Nylon, Pre-wired leads.	Black	CSL115BK	CSL215BK	CSL315BK	CSL415BK
	Brown	CSL115	CSL215	CSL315	CSL415
	Gray	CSL115GY	CSL215GY	CSL315GY	CSL415GY
	Ivory	CSL115I	CSL215I	CSL315I	CSL415I
	Light Almond	CSL115LA	CSL215LA	CSL315LA	CSL415LA
	White	CSL115W	CSL215W	CSL315W	CSL415W

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Nylon, Pre-wired leads.	Black	CSL120BK	CSL220BK	CSL320BK	CSL420BK
	Brown	CSL120	CSL220	CSL320	CSL420
	Gray	CSL120GY	CSL220GY	CSL320GY	CSL420GY
	Ivory	CSL120I	CSL220I	CSL320I	CSL420I
	Light Almond	CSL120LA	CSL220LA	CSL320LA	CSL420LA
	Red	CSL120R	CSL220R	CSL320R	CSL420R
	White	CSL120W	CSL220W	CSL320W	CSL420W

DSL315W

#6-32 TAP
Self Grounding Clip
3.81" (96.7)
3.28" (83.3)
2.78" (70.6)
1.48" (37.6)
1.12" (28.4)

Pre-Wired/Leaded Decorator Spec. Grade Commercial Series, 15A, 120/277V AC - 8" #12 AWG THHN

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, Polycarbonate, Pre-wired leads.	Black	DSL115BK	—	DSL315BK	—
	Brown	DSL115	—	DSL315	—
	Gray	DSL115GY	—	DSL315GY	—
	Ivory	DSL115I	—	DSL315I	—
	Light Almond	DSL115LA	—	DSL315LA	—
	White	DSL115W	—	DSL315W	—

20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, Polycarbonate, Pre-wired leads.	Black	DSL120BK	DSL220BK	DSL320BK	DSL420BK
	Brown	DSL120	DSL220	DSL320	DSL420
	Gray	DSL120GY	DSL220GY	DSL320GY	DSL420GY
	Ivory	DSL120I	DSL220I	DSL320I	DSL420I
	Light Almond	DSL120LA	DSL220LA	DSL320LA	DSL420LA
	White	DSL120W	DSL220W	DSL320W	DSL420W

Note: See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

DS115GY

#6-32 TAP
Self Grounding Clip
3.81" (96.7)
3.28" (83.3)
2.78" (70.6)
1.48" (37.6)
1.12" (28.4)

Style Line® Decorator Specification Grade Commercial Series, 15A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, back and side wired.	Black	DS115BK	—	DS315BK	—
	Brown	DS115	—	DS315	—
	Gray	DS115GY	—	DS315GY	—
	Ivory	DS115I	—	DS315I	—
	Light Almond	DS115LA	—	DS315LA	—
	Office White	DS115OW	—	DS315OW	—
	White	DS115W	—	DS315W	—

20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, back and side wired.	Black	DS120BK	DS220BK	DS320BK	DS420BK
	Brown	DS120	DS220B	DS320	DS420
	Gray	DS120GY	DS220GY	DS320GY	DS420GY
	Ivory	DS120I	DS220I	DS320I	DS420I
	Light Almond	DS120LA	DS220LA	DS320LA	DS420LA
	Office White	DS120OW	DS220OW	DS320OW	DS420OW
	Red	DS120R	DS220R	DS320R	DS420R
	White	DS120W	DS220W	DS320W	DS420W

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Features and Benefits

Rocker Weatherproof Series

Hubbell designs and manufactures these weatherproof switches for wet and damp applications.

- 20 Amp 120/277V AC
- Single Pole / 3-Way Capable
- NEMA TYPE 3R

Style Line® Decorator Weatherproof Series, 20A, 120/277V AC

c(UL)us

Description	Color	Single Pole / Three Way
Rocker, Weatherproof, self-grounding, back and side wired.	Gray	**RSD120WPGY**
	Light Almond	**RSD120WPLA**
	White	**RSD120WPW**

4.87" (123.7)
3.10" (78.7)

RSD120WPGY

Style Line® Decorator Specification Grade Commercial Series, Illuminated, Light ON with Load OFF 20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with Blue LED, back and side wired.	Black	**DS120ILBK**	—	**DS320ILBK**	—
	Ivory	**DS120IL**	—	**DS320IL**	—
	Light Almond	**DS120ILLA**	—	—	—
	Red	**DS120ILR**	—	—	—
	White	**DS120ILW**	—	**DS320ILW**	—

#6-32 TAP
Self Grounding Clip
3.81" (96.7)
3.28" (83.3)
2.78" (70.6)
1.12" (28.4)
1.48" (37.6)

DS120PLI

Style Line® Decorator Specification Grade Commercial Series, Pilot, Light ON with Load ON 20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with Red LED, back and side wired.	Black	**DS120PLBK**	—	—	—
	Ivory	**DS120PLI**	—	—	—
	White	**DS120PLW**	—	—	—

Note: See page D-12 for pre-wired/leaded devices.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

#6-32 TAP
Self Grounding Clip
3.81" (96.7)
3.28" (83.3)
2.78" (70.6)
1.16" (29.4)
1.44" (36.4)

DS120NLWH

Style Line® Decorator Spec. Grade Commercial Series with Nightlight, 20A, 120V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with Nightlight, self-grounding, push, back and side wired.	Black	**DS120NLBK**	—	—	—
	Brown	**DS120NLBR**	—	—	—
	Gray	**DS120NLGY**	—	—	—
	Ivory	**DS120NLIV**	—	—	—
	Light Almond	**DS120NLLA**	—	—	—
	White	**DS120NLWH**	—	—	—

Note: Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

CSB120BRLV

Maintained Contact Toggle, Specification Grade, 5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Black	**CSB120BKLV**	—	**CSB320BKLV**	—
	Brown	**CSB120BRLV**	—	**CSB320BRLV**	—
	Gray	**CSB120GYLV**	—	**CSB320GYLV**	—
	Ivory	**CSB120ILV**	—	**CSB320ILV**	—
	Light Almond	**CSB120LALV**	—	**CSB320LALV**	—
	Red	**CSB120RLV**	—	**CSB320RLV**	—
	White	**CSB120WHLV**	—	**CSB320WHLV**	—

DS120WLV

Maintained Contact Decorator, Specification Grade, 5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon decorator, back and side wired.	Black	**DS120BKLV**	—	**DS320BKLV**	—
	Brown	**DS120LV**	—	**DS320LV**	—
	Gray	**DS120GYLV**	—	**DS320GYLV**	—
	Ivory	**DS120ILV**	—	**DS320ILV**	—
	Light Almond	**DS120LALV**	—	**DS320LALV**	—
	Red	**DS120RLV**	—	**DS320RLV**	—
	White	**DS120WLV**	—	**DS320WLV**	—

HBL1557ILV

Momentary Contact, Specification Grade, Single Pole, Double Throw, Center OFF 5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown	**HBL1557LV**	—	—	—
	Gray	**HBL1557GYLV**	—	—	—
	Ivory	**HBL1557ILV**	—	—	—
	Red	**HBL1557RLV**	—	—	—
	White	**HBL1557WLV**	—	—	—

Note: See page D-12 for pre-wired/leaded devices.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

Dimensions in Inches (mm)

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Switches

Accessories

Pilot Light, 120/277V AC

Description	Catalog Number
Red neon pilot light, back and side wired, fits standard switch wallplate.	**HBL1220RJ**

HBL1220RJ

Brass Locking Cover Attachment for Switches
Available in Master Keying and Straight Keying Systems

Description	Catalog Number
Straight keying (all locks alike). Appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	**HBL96061***
Same as above except in dull chrome finish to match stainless steel plates.	**HBL96061DCH***
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	**HBL96062***

HBL96061
Shown with cover and
switch (sold separately)

SWITCHOUT® Lockout Device

Description	Catalog Number
Yellow, nylon toggle switch lockout device (Two devices per package).	**HSLDPK2***

Weatherproof Wallplates

Description	Catalog Number
Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	**HBL1795**
Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes.	**HBL7420**

HSLDPK2

Weatherproof Wallplates for PresSwitch® Switches

Description	Catalog Number
Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes.	**HBL1750**
Same as above except yellow.	**HBL17CM50**
Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes.	**HBL1785**
Same as above except yellow.	**HBL17CM85**

Note: *Not UL Listed or CSA Certified.
Each locking wallplate is supplied with two keys.
See section BB for additional information on safety lockout devices.
See section O for additional wallplates.

.94"
(23.9)

(47.8)

4.63"
(117.6)

2.38"
(60.5)

3.25
(82.

2.94"
(74.7)

HBL1795

2.84"
(72.1)

3.25"
(82.6)

4.56"
(115.8)

.19 dia.
4 holes
(4.8)

1.89"
(48.0)

HBL7420

.94"
(23.9)

1.88"
(47.8)

4.63"
(117.6)

2.38"
(60.5)

3.25"
(82.6)

2.94"
(74.7)

HBL1750

.94"
(23.9)

1.88"
(47.8)

4.63"
(117.6)

2.38"
(60.5)

3.25"
(82.6)

2.94"
(74.7)

HBL1785

Dimensions in Inches (mm)

Accessories

Toggle Switch Wallplates

Description	Color	1-Gang		2-Gang	
		Standard	Snap-On	Standard	Snap-On
Nylon toggle, standard size, smooth nylon.	Gray	**NP1GY**	—	**NP2GY**	—
	Ivory	**NP1I**	**NPS1I**	**NP2I**	**NPS2I**
	Light Almond	**NP1LA**	**NPS1LA**	**NP2LA**	**NPS2LA**
	White	**NP1W**	**NPS1W**	**NP2W**	**NPS2W**

Toggle Switch Wallplates

Description	Color	1-Gang	2-Gang	3-Gang
Nylon toggle, standard size, smooth metal.	Aluminum	**SA1**	**SA2**	①
	Brass	**SB1**	**SB2**	**SBP3***
	Stainless Steel, 302/304	**SS1**	**SS2**	**SS3**
	Stainless Steel, 430	**SS1L**	**SS2L**	**SS3L**

Style Line® Decorator Switch Wallplates

Description	Color	1-Gang		2-Gang	
		Standard	Snap-On	Standard	Snap-On
Nylon decorator, standard size, smooth metal.	Gray	**NP26GY**	—	**NP262GY**	—
	Ivory	**NP26I**	**NPS26I**	**NP262I**	**NPS262I**
	Light Almond	**NP26LA**	**NPS26LA**	**NP262LA**	**NPS262LA**
	White	**NP26W**	**NPS26W**	**NP262W**	**NPS262W**

Style Line® Decorator Switch Wallplates

Description	Color	1-Gang	2-Gang	3-Gang
Nylon decorator, standard size, smooth metal.	Aluminum	①	①	①
	Brass	**SB26**	**SB262**	①
	Stainless Steel, 302/304	**SS26**	**SS262**	**SS263**
	Stainless Steel, 430	**SS26L**	**SS262L**	—

Note: See section O for additional wallplates.
*Brass plated.
①Available as a custom metal wallplate. See wallplate section for additional information.

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Certification Chart

UL, CSA, and Fed. Spec. Listing Data

Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified	Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified
1201	Yes	Yes	Yes	HBL1224	Yes	Yes	Yes
1203	Yes	Yes	Yes	HBL1221L	Yes	Yes	Yes
1221	Yes	Yes	Yes	HBL1222L	Yes	Yes	Yes
1222	Yes	Yes	Yes	HBL1223L	Yes	Yes	Yes
1223	Yes	Yes	Yes	HBL1224L	Yes	Yes	Yes
1224	Yes	Yes	Yes	HBL1221IL	Yes	Yes	Yes
1221PW	Yes	Yes	Yes	HBL1223IL	Yes	Yes	Yes
1222PW	Yes	Yes	Yes	HBL1221PL	Yes	Yes	Yes
1223PW	Yes	Yes	Yes	HBL1222PL	Yes	Yes	Yes
1224PW	Yes	Yes	Yes	HBL1223PL	Yes	Yes	Yes
CS115	Yes	Yes	Yes	HBL1221RKL	No	Yes	Yes
CS315	Yes	Yes	Yes	HBL1222RKL	No	Yes	Yes
CS120	Yes	Yes	Yes	HBL1223RKL	No	Yes	Yes
CS320	Yes	Yes	Yes	HBL1224RKL	No	Yes	Yes
CSB115	Yes	Yes	Yes	HBL1259I	No	No	No
CSB215	Yes	Yes	Yes	HBL1281	No	Yes	Yes
CSB315	Yes	Yes	Yes	HBL1282	No	Yes	Yes
CSB415	Yes	Yes	Yes	HBL1283	No	No	No
CSB120	Yes	Yes	Yes	HBL1284	No	No	No
CSB220	Yes	Yes	Yes	HBL1287I	No	Yes	Yes
CSB320	Yes	Yes	Yes	HBL1288I	No	No	No
CSB420	Yes	Yes	Yes	HBL1281MO	No	No	No
CSL115	Yes	Yes	Yes	HBL1281MC	No	No	No
CSL215	Yes	Yes	Yes	HBL1297	No	Yes	Yes
CSL315	Yes	Yes	Yes	HBL1298	No	No	No
CSL415	Yes	Yes	Yes	HBL1381	No	Yes	Yes
CSL120	Yes	Yes	Yes	HBL1382	No	Yes	Yes
CSL220	Yes	Yes	Yes	HBL1385	No	Yes	Yes
CSL320	Yes	Yes	Yes	HBL1386	No	Yes	Yes
CSL420	Yes	Yes	Yes	HBL1386L	No	Yes	Yes
DS115	No	Yes	Yes	HBL1388	No	Yes	Yes
DS315	No	Yes	Yes	HBL1556	No	Yes	Yes
DS120	No	Yes	Yes	HBL1557	No	Yes	Yes
DS220	No	Yes	Yes	HBL1556L	No	Yes	Yes
DS320	No	Yes	Yes	HBL1557L	No	Yes	Yes
DS420	No	Yes	Yes	HBL3031	Yes	Yes	Yes
DS120IL	No	Yes	Yes	HBL3032	Yes	Yes	Yes
DS320IL	No	Yes	Yes	HBL3033	Yes	Yes	Yes
DS120PL	No	Yes	Yes	HBL3031PL	Yes	Yes	Yes
DSL115	No	Yes	Yes	HBL3031PL	Yes	Yes	Yes
DSL215	No	Yes	Yes	HBL3032PL	Yes	Yes	Yes
DSL315	No	Yes	Yes	SNAP1201	No	Yes	Yes
DSL415	No	Yes	Yes	SNAP1201IL	No	Yes	Yes
DSL120	No	Yes	Yes	SNAP1201PL	No	Yes	Yes
DSL220	No	Yes	Yes	SNAP1203	No	Yes	Yes
DSL320	No	Yes	Yes	SNAP1203IL	No	Yes	Yes
DSL420	No	Yes	Yes	SNAP1221	No	Yes	Yes
HBL1201	Yes	Yes	Yes	SNAP1221IL	No	Yes	Yes
HBL1202	Yes	Yes	Yes	SNAP1221PL	No	Yes	Yes
HBL1203	Yes	Yes	Yes	SNAP1223	No	Yes	Yes
HBL1204	Yes	Yes	Yes	SNAP1223	No	Yes	Yes
HBL1201IL	Yes	Yes	Yes	SNAP1223IL	No	Yes	Yes
HBL1203IL	Yes	Yes	Yes	SNAP2101	No	Yes	Yes
HBL1201PL	Yes	Yes	Yes	SNAP2101IL	No	Yes	Yes
HBL1203PL	Yes	Yes	Yes	SNAP2101PL	No	Yes	Yes
HBL1201L	Yes	Yes	Yes	SNAP2103	No	Yes	Yes
HBL1202L	Yes	Yes	Yes	SNAP2103IL	No	Yes	Yes
HBL1203L	Yes	Yes	Yes	SNAP2121	No	Yes	Yes
HBL1204L	Yes	Yes	Yes	SNAP2121IL	No	Yes	Yes
HBL1221	Yes	Yes	Yes	SNAP2121PL	No	Yes	Yes
HBL1222	Yes	Yes	Yes	SNAP2123	No	Yes	Yes
HBL1223	Yes	Yes	Yes	SNAP2123IL	No	Yes	Yes

Note: Catalog numbers above represent all colors and variations.

Slide and Rotary Control Dimmers

AS103
1000W Dimmer
Fits Single-Gang Wall Boxes

Architectural Grade, Incandescent Preset Slide Control Dimmers

Description	Color	Rating	Catalog Number
Single pole/three way - preset.	White	1000W, 120V AC, 60Hz	**AS103**
Single pole/three way - preset.	White	2000W, 120V AC, 60Hz	**AS203**

Accessories

Description	Color		Catalog Number
Small wallplate kit for 600W and 1000W models.	Ivory		**AS1I**
Includes non-metallic trimplate and slide.	White		**AS1W**
Large wallplate kit for 1500W and 2000W models.	Ivory		**AS2I**
Includes non-metallic trimplate and slide.	White		**AS2W**

Note: The dimmers listed above can be wired for single pole or three way applications.
See page D-19 for ganging and derating.

AS203
2000W Dimmer
Fits Single-Gang Wall Boxes

AR101
1000W Dimmer
Fits Single-Gang Wall Boxes

Architectural Grade, Incandescent Rotary Control Dimmers

Description	Color	Rating	Catalog Number
Single pole - push ON/OFF.	Beige	1000W, 120V AC, 60Hz	**AR101**
Three way - push ON/OFF.	Beige		**AR103**
Single pole, rotary ON/OFF.	Beige	2000W, 120V AC, 60Hz	**AR201**

Accessories

Description	Color		Catalog Number
Small wallplate kit for 600W and 1000W models.	Beige		**AR1BE**
Includes non-metallic trimplate and knob.	White		**AR1W**
Large wallplate kit for 1500W and 2000W models.	Beige		**AR2BE**
Includes non-metallic trimplate and knob.	White		**AR2W**

Note: See page D-19 for ganging and derating.

AR201
2000W Dimmer
Fits Single-Gang Wall Boxes

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Dimmer Ganging and Derating

Architectural Grade Slide and Rotary Series Number of Switchboxes Required with Dimmer Side Sections Intact

		Number of Small Controls (600W and 1000W)						
		0	1	2	3	4	5	6
Number of Large Controls (1500W and 2000W)	0	0	1	1+1	4	1+4	7	1+7
	1	1	3	5	6	8	9	11
	2	4	6	7	9	10	12	13
	3	6	8	10	11	13	14	16
	4	9	11	12	14	15	17	18
		Number of Gangs Required						

Note: When ganging an even number of small controls with no side sections removed (plus numbers in chart), use gangable switchboxes with tapped ears as shown below. Do not use plaster rings or gangbox covers. Space an additional switchbox ¾ in. apart from the other switchbox(es). A ¾ in. close nipple is recommended as a spacer between the switchboxes.

Example of 4-Gang Installation

Three small dimmers in this box.

One small dimmer in this box.

4-Gang Gangable Switchbox

1-Gang Gangable Switchbox

3/4 Space (Use Close Nipple)

Number of Switchboxes Required with Side Sections Removed

		Number of Small Controls (600W and 1000W)						
		0	1	2	3	4	5	6
Number of Large Controls (1500W and 2000W)	0	0	1	2	3	4	5	6
	1	1	3	4	5	6	7	8
	2	3	5	6	7	8	9	10
	3	5	7	8	9	10	11	12
	4	7	9	10	11	12	13	14
		Number of Gangs Required						

Note: When removing side sections, remove only inner side sections. Do not remove side sections on outer ends of gang. The same installation rules apply to rotary dimmers (not shown).

Remove All Inner Side Sections (Shaded)

Do Not Remove Outer Side Sections

Derating Chart

No Side Sections Removed	One Side Section Removed	Both Side Sections Removed
600W	600W	500W
1000W	900W	700W
1500W	1250W	1000W
2000W	1800W	1500W

Note: When ganging any combination of small and large controls, place a small control on one extreme end of the gang, and a large control at the other end of the gang. When ganging with side sections intact, use offset mounting holes. When ganging with side sections removed, use center mounting holes. Allow a ¹⁄₃₂ in. gap (space) between controls for ease in attaching the faceplate.

Specification Grade Slide and Rotary Series
Switchboxes Required: Side Sections Removed

Derating Chart

1 Dimmer In Wall Box	2 Dimmers In Wall Box	3 Or More Dimmers In Wall Box
600W	500W	400W
1000W	800W	650W
5A fan speed	4A fan speed	3A fan speed

Heavy Duty Panel Mount

HBL11

HBL123SP

10A 250V AC 20A 125V AC Horsepower Rated ¾ HP, 125-250V AC

Description				Terminal	Catalog Number
Single pole/ single throw.	.56" (14.2)	.61" (15.5) OFF ON	1.13" (28.7) Screw Terminal Shown	Screw Spade	**HBL11** **HBL11SP**
Single pole/ single throw momentary.	.56" (14.2)	.61" (15.5) OFF Momentary ON	1.13" (28.7) Screw Terminal Shown	Screw Spade	**HBL11M** **HBL11SPM**
Single pole/ double throw.	.56" (14.2)	.61" (15.5) ON ON	1.13" (28.7) Screw Terminal Shown	Screw Spade	**HBL12** **HBL12SP**
Single pole/ double throw 3-position center OFF.	.56" (14.2)	.61" (15.5) ON OFF ON	1.13" (28.7) Screw Terminal Shown	Screw Spade	**HBL123** **HBL123SP**
Single pole/ double throw 3-position center OFF momentary.	.56" (14.2)	.61" (15.5) Momentary ON OFF ON Momentary	1.13" (28.7) Screw Terminal Shown	Screw Spade	**HBL123MM** **HBL123SPMM**

Note: All threaded stems ¹⁵⁄₃₂ in.–32 thread.

10A 240V AC 15A 120V AC

Description		Terminal	Catalog Number
Single pole/ single throw.	ON OFF 0.62" (15.7) 0.48" (12.2) 0.31" (7.9) 0.37" (9.4) 1.78" (45.2) 0.56" (14.2) 0.67" (17.0)	Screw	**HBL118**

Note: ¹⁵⁄₃₂ in.–32 thread.

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

Description		Terminal	Catalog Number
Single pole/ single throw.	OFF 0.56" (14.2) 15/32-32 THRD Keyway .080 x .035 0.25" (6.4) 0.98" (24.9) 6.00" (152.4) 0.50" (12.7) 0.64" (16.3)	#18 Std. AWG Copper Wire Leads 105° C Black.	**HBL11WL**

Note: ¹⁵⁄₃₂ in.–32 thread, keyway .080 x .035.

Specifications

Impact Resistant Thermoplastic Body.
Fine Silver Contacts.
Knurled Nut, Hex Nut And Strap All Nickel Plated.
Keyed Brass Bushing Nickel Plated.
Brass Toggle Nickel Plated.
Choice of Terminal Design: .250 in. (6.3) Male Tab Spade Type or 6/32 Screw Type.
UL Recognized.

Dimensions in Inches (mm)

Heavy Duty Panel Mount

10A 250V AC 20A 125V AC Horsepower Rated 1½ HP, 125-250V AC

Description		Terminal	Catalog Number
Double pole/single throw.	.47" (11.9) .80" (20.3) ON OFF .75" (19.1) 1.30" (33.0) Spade Terminal Shown	Screw Spade	**HBL21** **HBL21SP**
Double pole/single throw.	.80" (20.3) ON ON .75" (19.1) 1.30" (33.0) Screw Terminal Shown	Screw Spade	**HBL22** **HBL22SP**
Double pole/double throw 3-position center OFF.	.80" (20.3) ON OFF ON .75" (19.1) 1.30" (33.0) Screw Terminal Shown	Screw Spade	**HBL223** **HBL223SP**
Double pole/double throw 3-position center OFF momentary.	.80" (20.3) ON Momentary OFF ON Momentary .75" (19.1) 1.30" (33.0) Screw Terminal Shown	Screw Spade	**HBL223MM** **HBL223SPMM**
Silicone rubber boot.		Screw Spade	**SSB1**

Note: All threaded stems ¹⁵⁄₃₂ in.–32 thread.
See AA-35 for additional information on 12V DC tapered handle switches.

HBL21

HBL223

SSB1

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

Description		Terminal	Catalog Number
Single pole/single throw.	0.41" (10.4) Black Nylon Plunger 15/32-32 THRD 0.22" (5.6) 0.49" (12.5) 1.58" (40.1) 0.19" (4.8) 0.53" (13.5) 0.50" (12.7) Keyway .080x.034 0.98" (24.9) 6.00" (152.4) 0.65" (16.5)	#18 Std. AWG Copper Wire Leads 105° C Black.	**HBL11PBWL**

Note: ¹⁵⁄₃₂ in.–32 thread, keyway .080 x .035.

HBL11PBWL

Dimensions in Inches (mm)

Switches

Standard Toggle Type Switches

SINGLE POLE | DOUBLE POLE | 3 WAY | 3 WAY | 3 WAY | 4 WAY | 3 WAY

LINE | BLACK
NEUTRAL | WHITE

LINE
NEUTRAL

Illuminated Switches (light ON with load OFF)

SINGLE POLE LIGHTED | 3 WAY LIGHTED

LINE
NEUTRAL

BLACK
WHITE

Pilot Light Switches (light ON with load ON)

SINGLE POLE PILOT | DOUBLE POLE PILOT

LINE
NEUTRAL

BLACK
WHITE

Three Way Pilot Switches

BLK | BLK
WHT | WHT
B | B
LOAD

LINE 1 | BLACK
NEUTRAL | WHITE

Three Position Switches, Momentary and Maintained

SPDT CENTER OFF | DPDT CENTER OFF

STRIP GAGE

L-2 | B-1
B-2 | A-1
A-2 | L-1

STRIP GAGE

LINE 1 | BLACK
NEUTRAL | WHITE
LINE 2 | RED

Specifications - HBL® Extra Heavy Duty Industrial Grade Switches (SP, DP, 3-Way, 4-Way)

Listings	Component	Material
UL Listed	Base	Thermoset, Color Coded by Amperage
CSA Certified	Top	Thermoset, Gray
Verified to Fed. Spec. W-S-896,	Toggle	Nylon
SP, DP, 3-way and 4-way	Terminals	Brass
	Terminal Screws	Brass
	Mounting Bridge	Nickel Plated Steel
	Contacts	Silver Alloy
	Moveable Contact Arm	Brass
	Rocker	Elastomer
	Ground Terminal	Nickel-Plated Steel
	Ground Screw	Brass
	Automatic Grounding Clip	Stainless Steel

Performance Data

Electrical

Dielectric Voltage	Withstands 1500V AC minimum for 1 minute
Max. Working Voltage	277V AC
Overload	Minimum 4.8 times rated current for 100 cycles
Temperature Rise	30°C maximum at rated current
Max. Continuous Current	15A, 20A, 30A
Endurance	50,000 cycles min., tungsten filament lamp load Fed. Spec. #WS896, SP, DP, 3-way and 4-way

Mechanical

Terminal Accommodations	#14 AWG min. - #10 AWG max. solid and stranded copper wire only

Environmental

Flammability	UL 94V-2
Operating Temperature	Max. continuous: 75°C; Min. continuous: -40°C without impact

Wall Switch Sensors

MAXX™ Harsh Environment Occupancy Sensors

WL-Series Wireless Sensors and Controls

Energy Consumption and Standards Compliance

Electricity consumption in commercial buildings has changed dramatically over the past decade. Energy efficient lighting sources like LEDs have reduced their contribution on a commercial building's total electricity consumption from 40% to approximately 17%. Today plug and process loads consume up to 30% of a typical commercial building's energy costs. Energy Efficiency Codes & Standards are becoming more stringent in an effort to reduce energy consumption in all areas of commercial buildings.

Hubbell Load:Logic® series of control devices offers a broad range of space, centralized and distributed controls that meet the latest codes and standards and qualify for LEED certification points. Hubbell devices feature ease of installation, setup, operation and commissioning process. The result is an "install-and-forget" experience.

Additional features include:

- Occupancy or time-based controls

- Integration with third party energy management or climate control systems

- Manual ON mode requires user operation to turn lights ON but automatically turns lights OFF when a space is unoccupied after a specified period of time

- Daylight Harvesting sensors for dimming or to keep the lights OFF when natural light is sensed

- Automatic receptacle control

Commercial Buildings Electricity Consumption

Lighting
17.14%

Other
18.70%

Plug Load
30.97%

Climate Control
33.23%

Office Equipment and Computing

Cooking and Refrigeration

Electrical bill impact for a typical office building

Adaptive Technology Provides Better Control

Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

- Lower energy costs and utility bills

- No need to manually adjust for occupancy changes

Backed by Hubbell Service and Support

Hubbell Energy Efficiency Solutions focuses on environmental stewardship, innovative products and efficient building operations. Hubbell also offers superior service and support with:

- Online worksheets for calculating energy savings and ROI

- Detailed online e-learning courses

- Product selection guide to assist in choosing the right technology

- Online specification assistance

- Comprehensive layout and take-off services

- Highly knowledgeable network of trained professionals and staff

- BIM models and 3D coverage patterns

The Right Technology for the Right Application

Passive Infrared (PIR)

Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides the coverage area into zones. Movement across zones is interpreted as occupancy.

Ultrasonic (US)

Senses occupancy by emitting an ultrasonic high-frequency sound wave (32 kHz to 45 kHz), sensing the frequency of the reflected signal, and then determining occupancy based on a change in frequency. While this has a limited range, it detects small motions and does not require a clear line of sight.

Dual Technology

Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Wired or Wireless Sensors:

What is the right choice?
Both choices offer advantages and selecting the most suitable one is key to a successful energy control strategy.

New construction, retrofit applications, construction materials, type of space to be controlled, etc. play a role in the selection process.

Wired

Wired technology has been available for over 50 years and is traditionally used when there is no restriction for running wires. It also offers more choices of sensing technologies.

Wired technology:

• The preferred choice for new construction, as wiring can be run easily while construction is underway.

• Offers more technologies; adaptive, ultrasonic and dual.

• Easily interfaces with other technologies and control systems like wireless, building automation and HVAC.

Wired Controls' New Companion
Hubbell's WL Series wireless controls can be installed to work with Hubbell's traditional wired technology to provide an optimal solution when running extra wiring is difficult or impractical.

Wireless

The WL Series sensors are designed for ultra-low power consumption which translates into a ten year battery life. They also combine advanced Digital Signal Processing (DSP) with Passive Infrared (PIR) technology to maximize sensitivity to the movement of heat emitted from people occupying a space.

Control signals are transmitted up to 60 feet over the low interference 434MHz band to associated Clear Connect® enabled devices that automatically turn lights OFF and other non-essential loads.

Wireless technology:

• Flexible, making moves, additions and changes easy because there is no need for additional wiring.

• Fast to install and setup, typically involves replacing the existing wall switch and pairing the desired sensor.

• These controls utilize a simplified 6-second press and hold commissioning procedure. No need for remotes, computers, smartphones or any other device to set up the system.

Features and Benefits

Adaptive Dual (Ultrasonic and Passive Infrared)

Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The optimum choice when performance is paramount.

Standard Passive Infrared

Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides a coverage area into zones. Movement across zones is interpreted as occupancy.

Excellent for small room control.

Adaptive Series

Housing Design
- Steel mounting strap
- High impact molded plastics
- Color matching tamper resistant lens

Coverage and Electrical Ratings
- Dual technology - 1,000 sq. ft. Ultrasonic only - 400 sq. ft.
- 120/277V AC 50/60 Hz; no neutral required; 24V DC, 33mA
- Zero-arc point switching
- Compatible with CFL/LED and motor loads

Operation
- Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

WS Series

Housing Design
- Plated steel mounting strap
- High Impact molded plastics
- Recessed tamper resistant lens
- Night light option

Coverage and Electrical Ratings
- High density PIR - 1,200 sq. ft.
- WS1000 series - 120V AC 60Hz WS2000 series - 120/277V AC 60Hz; multi-way capable
- No neutral required
- Compatible with CFL/LED and motor loads

Operation
- WS2000 series - Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

Adaptive Technology Wall Switch Sensors

800W Incandescent/Electronic Ballast, 5A LED, 1/6 HP at 120V AC, 1800W Electronic Ballast, 5A LED , 1/6 HP at 277V AC.

Dual (Ultrasonic and Passive Infrared)

Description	Color	Single Circuit		Dual Circuit	
		1 button	Auto control with no button	2 buttons	Auto control with no button
Selectable Manual/ Auto ON.	Black	AD2000BK1	AD2000BK1N	AD2000BK22	AD2000BK22N
	Gray	AD2000GY1	AD2000GY1N	AD2000GY22	AD2000GY22N
	Ivory	AD2000I1	AD2000I1N	AD2000I22	AD2000I22N
	Light Almond	AD2000LA1	AD2000LA1N	AD2000LA22	AD2000LA22N
	White	AD2000W1	AD2000W1N	AD2000W22	AD2000W22N
Manual ON (Vacancy).	Black	AD2001BK1	—	AD2001BK22	—
	Gray	AD2001GY1	—	AD2001GY22	—
	Ivory	AD2001I1	—	AD2001I22	—
	Light Almond	AD2001LA1	—	AD2001LA22	—
	White	AD2001W1	—	AD2001W22	—

Ultrasonic

Description	Color	Single Circuit	Dual Circuit
		1 button	2 buttons
Selectable Manual/ Auto ON.	Black	AU2000BK1	AU2000BK22
	Gray	AU2000GY1	AU2000GY22
	Ivory	AU2000I1	AU2000I22
	Light Almond	AU2000LA1	AU2000LA22
	White	AU2000W1	AU2000W22
Manual ON (Vacancy).	Black	AU2001BK1	AU2001BK22
	Gray	AU2001GY1	AU2001GY22
	Ivory	AU2001I1	AU2001I22
	Light Almond	AU2001LA1	AU2001LA22
	White	AU2001W1	AU2001W22

Passive Infrared

Description	Color	Single Circuit	Dual Circuit
		1 button	2 buttons
Selectable Manual/ Auto ON.	Black	AP2000BK1	AP2000BK22
	Gray	AP2000GY1	AP2000GY22
	Ivory	AP2000I1	AP2000I22
	Light Almond	AP2000LA1	AP2000LA22
	White	AP2000W1	AP2000W22
Manual ON (Vacancy).	Black	AP2001BK1	AP2001BK22
	Gray	AP2001GY1	AP2001GY22
	Ivory	AP2001I1	AP2001I22
	Light Almond	AP2001LA1	AP2001LA22
	White	AP2001W1	AP2001W22

Note: Neutral wire versions, add N in front of 2000 when ordering, example: (ADN2000, AUN2000, APN2000).
Wallplate sold separately. See page E-23 for technical specifications, coverage patterns and wiring schematics.
Special order for Assembled in USA units. Add suffix "U" at the end of the catalog number. Consult with your local Territory Manager.

AD2000W1
AD2001W1

AD2000W1N
AD2000W22N

AU2000W1
AU2001W1

AP2000W1
AP2001W1

AP2000W22
AP2001W22

**AD2240W1
AD2241W1**

**WS2000W
WS1000W**

**WS1020NW
WS1021NW**

DT2000W

WSTA120

DT5030W

Dual (Ultrasonic and Passive Infrared)

24V DC, 33mA. Requires a CU300xx series control unit.

		Single Circuit	Dual Circuit
Description	Color	1 button	2 buttons
Selectable Manual/	Black	**AD2240BK1**	**AD2240BK2**
Auto ON.	Gray	**AD2240GY1**	**AD2240GY2**
	Ivory	**AD2240I1**	**AD2240I2**
	Light Almond	**AD2240LA1**	**AD2240LA2**
	White	**AD2240W1**	**AD2240W2**
Manual ON (Vacancy).	Black	**AD2241BK1**	**AD2241BK2**
	Gray	**AD2241GY1**	**AD2241GY2**
	Ivory	**AD2241I1**	**AD2241I2**
	Light Almond	**AD2241LA1**	**AD2241LA2**
	White	**AD2241W1**	**AD2241W2**

Note: Wallplate sold separately. See page E-23 for technical specifications, coverage patterns and wiring schematics.

Passive Infrared

Manual time delay adjustment.

Description	Color	Standard	with Nightlight	with Neutral	with Nightlight and Neutral
Manual adjusting; selectable	Gray	**WS2000GY**	**WS2000NGY**	**—**	**—**
manual/auto ON operation;	Ivory	**WS2000I**	**WS2000NI**	**WS2004I**	**WS2004NI**
dual-voltage 120/277V AC;	Light Almond	**WS2000LA**	**WS2000NLA**	**—**	**—**
multi-way capable.	White	**WS2000W**	**WS2000NW**	**WS2004W**	**WS2004NW**
Manual adjusting; selectable	Ivory	**WS1000I**	**WS1000NI**	**—**	**—**
manual/auto ON operation;	Light Almond	**WS1000LA**	**WS1000NLA**	**—**	**—**
120V AC only.	White	**WS1000W**	**WS1000NW**	**—**	**—**
Manual adjusting;	Ivory	**WS1001I**	**WS1001NI**	**—**	**—**
manual ON operation;	Light Almond	**WS1001LA**	**WS1001NLA**	**—**	**—**
120V AC only.	White	**WS1001W**	**WS1001NW**	**—**	**—**
Manual adjusting;	Gray	**WS1020GY**	**WS1020NGY**	**—**	**—**
auto ON operation;	Ivory	**WS1020I**	**WS1020NI**	**WS1024I**	**WS1024NI**
dual circuit;	Light Almond	**WS1020LA**	**WS1020NLA**	**WS1024LA**	**WS1024NLA**
120V AC only.	White	**WS1020W**	**WS1020NW**	**WS1024W**	**WS1024NW**
Manual adjusting;	Gray	**WS1021GY**	**WS1021NGY**	**—**	**—**
manual ON operation;	Ivory	**WS1021I**	**WS1021NI**	**WS1025I**	**WS1025NI**
dual circuit;	Light Almond	**WS1021LA**	**WS1021NLA**	**WS1025LA**	**WS1025NLA**
120V AC only.	White	**WS1021W**	**WS1021NW**	**WS1025W**	**WS1025NW**

Note: See page E-24 for technical specifications, coverage patterns and wiring schematics.

Digital Timer

Description	Color	Catalog Number
DIP switch enable preset intervals for 2 and 4 hours. User adjustable up to 24 hours. 3-way capable, 960W @ 120V AC and 1200W @ 277V AC.	White	**DT2000W**

Programmable Timer

Description	Color	Catalog Number
Wall Switch Programmable Timer with Astronomical Clock, Features 3 Interchangeable cover colors: Gray, Light Almond and White. Compatible in SP and 3-Way configurations, 120V AC, neutral wire required.	White	**WSTA120**

Count Down Timers

Description	Color	30 Minutes: OFF, 5, 10, 20, 30	60 Minutes: OFF, 15, 30, 45, 60	12 Hours: OFF, 2, 4, 8, 12
1000W @ 120V AC and	Ivory	**DT5030I**	**DT5060I**	**DT5012I**
1400W @ 277V AC.	Light Almond	**DT5030LA**	**DT5060LA**	**DT5012LA**
	White	**DT5030W**	**DT5060W**	**DT5012W**

Features and Benefits

Dual (Ultrasonic and Passive Infrared)

Combines PIR and Ultrasonic technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The absolute choice for advanced control and precise performance.

Passive Infrared

Passive infrared sensors are specifically designed for long- range major motion activity sensitivity, making them ideal for large open areas.

Various models are suitable for indoor and outdoor applications where NEMA 4X rating is required. Other units are suitable for extreme temperatures areas providing unsurpassed flexibility for almost every application.

Ceiling Mount

Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided

Coverage and Ratings

- Up to 2,000 sq. ft. between 8ft and 12ft mounting height. 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration

Operation

- Self adjusting sensitivity thresholds and timers; automatic false ON/ false OFF corrections, strong airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems

Wall Mount

Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided

Coverage and Ratings

- Up to 1,600 sq. ft. between 8ft and 12ft mounting height. (30ft for high bay, aisle model) 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration

Operation

- Self adjusting sensitivity thresholds and timers. Automatic false ON/false OFF corrections airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems

ATD2000C

Dual (Ultrasonic and Passive Infrared) Ceiling Sensors

Combines the excellent minor motion detection of ultrasonic with the outstanding passive infrared (PIR) long-range major motion detection.

Description	Voltage	Coverage Area 2000 sq. ft. (360°)	1000 sq. ft. (180°)
Low voltage sensor with photocell and isolated relay.	24V DC	**ATD2000CRP**	**ATD1000CRP**
Low voltage sensor.	24V DC	**ATD2000C**	**–**
Line voltage sensor.	120-277V AC	**ATD2000CL**	**ATD1000CL**

Note: Low voltage ATD ceiling sensors must use a CU series control unit. See page E-10 for details.
See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics.
For Assembled in USA units Add suffix "U"

ATD1000CRP

Ultrasonic Ceiling Sensors

Excellent minor motion detection.

Description	Voltage	Coverage Area 2000 sq. ft. (360°)	1000 sq. ft. (180°)
Low voltage sensor with photocell and isolated relay.	24V DC	**ATU2000CRP**	**ATU1000CRP**
Low voltage sensor.	24V DC	**ATU2000C**	**–**
Line voltage sensor.	120-277V AC	**ATU2000CL**	**ATU1000CL**

Note: Low voltage ATU ceiling sensors must use a CU series control unit. See page E-10 for details.
See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics.
For Assembled in USA units Add suffix "U"

ATU2000C

Passive Infrared Ceiling Sensors

Outstanding long range major motion detection.

Description	Voltage	Coverage Area 1500 sq. ft. (360°)
Low voltage sensor with photocell and isolated relay.	24V DC	**ATP1500CRP**
Low voltage sensor.	24V DC	**ATP1500C**
Line voltage sensor.	120-277V AC	**ATP1500CL**

Note: Low voltage ATP ceiling sensors must use a CU series control unit. See page E-10 for details.
See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics.
For Assembled in USA units Add suffix "U"

ATU1000CRP

Low Profile, Line Voltage Passive Infrared Ceiling Sensors

Outstanding long range major motion detection in a compact low profile housing.

Voltage	Color	Load Rating	Coverage Area 1500 sq. ft.
120-347V AC with photocell.	White	800W Inc., 1000W Fl. @ 120V AC 1800W Fluorescent @ 277V AC 2200W Fluorescent @ 347V AC	**LVPR1500R**

ATP1500C

Ceiling Sensors Accessories

Description	Catalog Number
Ceiling sensor infrared, NEMA 4X enclosure.	**ACIPE***
Ceiling mount raceway adapter.	**ACMRA**
Ceiling mount wire guard.	**ACMG**

*Note: *Compatible with low voltage passive infrared sensors only.*

ACIPE **ACMRA** **ACMG**

LVPR1500R

HUBBELL® Wiring Device-Kellems www.hubbell-wiring.com

Dual (Ultrasonic and Passive Infrared) Wall Mount Sensors

Description	Color	Coverage	Catalog Number
Low voltage sensor 32kHz with photocell and isolated relay.	Office White	1600 sq. ft.	**ATD1600WRP**

Passive Infrared Wall Mount Sensors

Description	Color	Coverage	Catalog Number
Low voltage sensor with photocell and isolated relay.	Office White	1600 sq. ft.	**ATP1600WRP**
Low voltage sensor for aisle and high bay applications, with photocell and isolated relay.	Office White	120 linear feet	**ATP120HBRP**

Note: All wall mount sensors must use a CU series control units. See page E-10 for details.
See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics.
For Assembled in USA units Add suffix "U"

ATD1600WRP

Wall Mount Sensors Accessories

Description	Catalog Number
Wall switch wire guard.	**AWSG**
Wall mount wire guard.	**AWMG**

ATP1600WRP

AWSG

AWMG

OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors

- Single and dual timer operation
- Low-profile design
- No minimum load
- Supports mounting heights up to 45 feet (High Bay)
- Supports mounting heights between 8-16 feet (Low Bay)

Description	Voltage	Catalog Number
Single relay with photocell.	120-347V AC	**HMHB219**
2 relays with photocell.	120-347V AC	**HMHB229**
1 double pole relay with photocell.	208/240V AC	**HMHB23A9**
1 double pole relay with photocell.	480V AC	**HMHB23B9**
Low voltage with photocell.	24V DC	**HMHB2LV9***

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.
*For use with CU series control units.
See pages E-29 and E-30 for technical specifications and coverage patterns.

HMHB219

HBRL180   **HBRL360**

Replacement Lenses and Accessories

Description	High Bay	Low Bay
180° Lens.	**HBRL180**	**LBRL180**
360° Lens.	**HBRL360**	**LBRL360**
Aisle lens.	**HBRLA**	**LBRLA**
End of aisle lens.	**HBRLEA**	**LBRLEA**
Mounting extension adapter.	**HMHBSA**	**HMHBSA**

HBRLA   **HBRLEA**

HMHBSA

DSL30W1
DSM30W1

CU300ELC

RTPB10W

CU300A

CU300HD

AAR

AAR20P

AAR10C277

Low Voltage Switches

Single gang design, momentary or latching operation. Compatible with all Hubbell low voltage sensors and Load:Logic® Centralized and Distributed Control Systems. 100mA @ 30V DC max.

Description	Color	Catalog Number
Low voltage switch, latching, 1 button.	Ivory	**DSL30I1**
	Light Almond	**DSL30LA1**
	White	**DSL30W1**
Low voltage switch, momentary, 1 button.	Ivory	**DSM30I1**
	Light Almond	**DSM30LA1**
	White	**DSM30W1**
Low voltage switch, momentary, 2 buttons.	Ivory	**DSM30I2**
	Light Almond	**DSM30LA2**
	White	**DSM30W2**

Note: Wallplate sold separately.

Emergency Lighting Controls

20 Amps, 120/277V AC, NC isolated contacts UL924 listed for emergency circuits. 0-10V dimming override.

Description	Catalog Number
Emergency lighting control unit.	**CU300ELC**
Remote test switch with engraved wallplate.	**RTPB10W**

Note: See page E-26 for technical specifications.

Control Units

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors.	**CU300A**
Manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors.	**CU300M**
Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control.	**CU300HD**

Note: See page E-26 for technical specifications.
For Assembled in USA units Add suffix "U".

Add-A-Relay

Hubbell AAR Add-A-Relay contains an internal relay for control of an external load. The AAR requires a 24V DC power supply from the Hubbell CU series control unit. AAR units are typically used when multiple zone control is desired or the load exceed the maximum load rating of a single control unit.

Description	Catalog Number
Auto ON operation, 120-277V AC, 50/60Hz. Requires a CU300 series control unit; suitable for lighting loads.	**AAR**
Auto or manual ON operation, 100-277V AC 50/60Hz. Requires a CU300 series, heavy duty latching relay; suitable for automatic receptacle control applications.	**AAR20P**

Note: See page E-26 for technical specifications.

Enclosed 10 Amp SPDT Relays

Description	Catalog Number
Enclosed relay 10 Amp SPDT with 10-30V AC/DC/120V AC coil.	**AAR10C120**
Enclosed relay 10 Amp SPDT with 10-30V AC/DC/208-277V AC coil.	**AAR10C277**

Daylight Harvesting

- Low-profile design
- Light-sensitivity wide range of options

Description	Voltage	Catalog Number
Single zone continuous automatic dimming control.	0-10V DC	**DHADC†**
Indoor photocell.	24V DC	**DHIP▲**
Outdoor photocell.	24V DC	**DHOP▲**
Atrium photocell.	24V DC	**DHAP▲**
Skylight photocell.	24V DC	**DHSP▲**
Control module.	24V DC	**DHCM**
Daylight tracker with ON/OFF control.	24V DC	**DHT***
Daylight tracker with dimming control.	0-10V DC	**DHTD†**
Indoor photocell - selectable foot candle range.	24V DC	**RCDP~**
Outdoor photocell - selectable foot candle range.	24V DC	**RCODP~**

Note: †For use with 0-10V DC dimming ballasts.
▲For use with DHCM and CU series control units.
*For use with CU series control units.
~For use with Load:Logic Control Panel or Room Controller.

DHADC, DHIP

DHOP

DHAP, DHSP

DHCM   **DHT**

0-10V Adaptive Technology Wall Switch Sensor

Description	Color	Voltage	PIR	Dual (PIR & US)
Dimming selectable auto ON/auto OFF manual ON/auto OFF, current sinking capacity, 30mA.	Black	0-10V DC (Dimming) 120/277V AC	**APD2000BK1**	**—**
	Gray		**APD2000GY1**	**ADD2000GY1**
	Ivory		**APD2000I1**	**ADD2000I1**
	Light Almond		**APD2000LA1**	**ADD2000LA1**
	White		**APD2000W1**	**ADD2000W1**
Dimming manual ON/auto OFF (Vacancy) only, current sinking capacity, 30mA.	Black	0-10V DC (Dimming) 120/277V AC	**APD2001BK1**	**—**
	Gray		**APD2001GY1**	**ADD2001GY1**
	Ivory		**APD2001I1**	**ADD2001I1**
	Light Almond		**APD2001LA1**	**ADD2001LA1**
	White		**APD2001W1**	**ADD2001W1**

APD2000W1 APD2001W1

ADD2000W1 ADD2001W1

0-10V Dimming OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors

- Supports mounting heights up to 45 feet (High Bay), between 8-16 feet (Low Bay), current sinking capacity, 30mA.

Description	Voltage	Catalog Number
Single relay with photocell.	120-347V AC	**HBS13D**
1 double pole relay with photocell.	208, 240V AC	**HBS28D**
1 double pole relay with photocell.	480V AC	**HBS48D**
Low voltage with photocell.	24V DC	**HBS24D***

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.
*For use with CU300HD control unit.
See pages E-29 and E-30 for technical specifications and coverage patterns.

HBS13D

Replacement Lenses and Accessories

Description	High Bay	Low Bay
180° lens.	**HBRL180**	**LBRL180**
360° lens.	**HBRL360**	**LBRL360**
Aisle lens.	**HBRLA**	**LBRLA**
End of aisle lens.	**HBRLEA**	**LBRLEA**
Mounting extension adapter.	**HMHBSA**	**HMHBSA**

HBRL180   **HBRL360**

HBRLA   **HBRLEA**

Low Voltage Switches with 0-10V Dimming

Single gang design, momentary, latching or a combination operation. Compatible with Hubbell CU300 series control units and IEC60929 Annex E.2 compliant dimming ballasts/LED drivers. Ideal for single zone dimming applications.

Description	Color	Voltage	Momentary, 3 button	Latching, 3 button	1 Latching, 1 Momentary, 4 button
Low voltage switch, 0-10V dimmer, current sinking capacity, 30mA.	Gray	24V DC	**DSM010GY**	**DSL010GY**	**DSC010GY**
	Ivory		**DSM010I**	**DSL010I**	**DSC010I**
	Light Almond		**DSM010LA**	**DSL010LA**	**DSC010LA**
	White		**DSM010W**	**DSL010W**	**DSC010W**

Note: See page E-34 for technical specifications.

DSM010I

Features and Benefits

MAXX™ Harsh Environment Sensing Devices

MAXX™ products are designed to withstand these harsh environments manufactured with cold and heat resistant components. These sensors tolerate extremes of weather and applications. MAXX™ products provide users with methods to reduce energy usage in harsh environments where other commercial grade products can't.

Pendant Mount

Housing Design
- IP66, TYPE 4X, outdoor rated
- Housing manufactured from chemical resistant thermoplastic
- Multiple mounting kits for existing work boxes and hubs; pendant or wall mounting flexibility

Protection
- Integrated lens guard protects against accidental damage
- Photocell makes sure lights stay OFF when there is sufficient daylight
- Isolated relay provides signalling to HVAC and ventilation systems

Access Cover
- Stainless steel hardware and settings access cover

Fixture Mount

Housing Design
- IP65, NEMA 3R watertight, and outdoor rated
- Fixture or work box mounting with ½" threaded nipple

Coverage and Electrical Ratings
- Digital passive infrared (PIR) sensor
- Two (upward/downward) photocells options for daylight harvesting
- Supplied with 360° lens; aisle, end-of-aisle and 180° lenses available separately
- -40°F to 149°F (-40°C to 65°C) operating temperature range; compatible with CFL/LED and motor loads

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

TYPE 4X Outdoor, Passive Infrared Wall Mount Sensor

Description	Voltage	Catalog Number
PIR sensor, with isolated relay and photocell.	24V DC	**AHP1600WRP**
Adaptor plate for single gang FS boxes.	—	**HAP1**
Adaptor hub and nipple for Killark® NJ series boxes.	—	**HAP2**
Adaptor plate for Killark® NV series boxes.	—	**HAP3**
½" NPT threaded hub.	—	**HAP4**

Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit.
See page E-26 for technical specifications and coverage patterns.

AHP1600WRP

Outdoor Light Kit with Occupancy Sensor

Description	Color	Catalog Number
Outdoor Flood Light Kit with Sensor;	Bronze	**S2FLSBZ**
IP65 compliant; two LED flood light heads;	Gray	**S2FLSGY**
2000 lumens; 26 watts	White	**S2FLSW**

S2FLSW

Extreme Temperatures Passive Infrared Ceiling Mounted Sensor

Use ACIPE to make NEMA 4X watertight.

Description	Voltage	Catalog Number
Sensor with isolated relay and photocell.	24V DC	**AHP1500CRP**
IP66, NEMA 4X enclosure.	—	**ACIPE**

Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit.
See page E-25 for technical specifications and coverage patterns.

AHP1500CRP
with **ACIPE**

Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto or manual ON operation, 100-277V AC, 50/60Hz, heavy duty latching relay.	**CU300HD**
Auto or manual ON operation, 100-277V AC, 50/60Hz. Requires a CU300 series, heavy duty latching relay.	**AAR20P**

Note: See page E-26 for technical specifications.
For Assembled in USA units Add suffix "U".

CU300HD

OPTIMYZER® Watertight High Bay and Low Bay End Mount PIR Sensors

IP65, NEMA 3R, outdoor rated, -40°F to 149°F (-40°C to 65°C) operating temperature range.

Description	Voltage	Standard	0-10V Dimming
Single relay with photocell.	120-347V AC	**HBSXT13**	
2 relays with photocell.	120-347V AC	**HBSXT23**	**HBSXT13D**
1 double pole relay with photocell.	208, 240V AC	**HBSXT28**	
1 double pole relay with photocell.	480V AC	**HBSXT48**	
Low voltage with photocell.	24V DC	**HBSXT24***	**HBSXT24D***

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.
*For use with CU300HD (120/277V AC, 50/60Hz) control unit.
See pages E-29 and E-30 for technical specifications and coverage patterns.

HBSXT13

Replacement Lenses

Description	High Bay	Low Bay
180° lens.	**HBRLXT180**	**LBRLXT180**
360° lens.	**HBRLXT360**	**LBRLXT360**
Aisle lens.	**HBRLXTA**	**LBRLXTA**
End of aisle lens.	**HBRLXTEA**	**LBRLXTEA**

HBRLXT180   **HBRLXT360**

HBRLXTA   **HBRLXTEA**

Energy Efficiency Solutions

New Codes and Standards mandates that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx

Wired

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.

Wireless

Wireless communication takes complexity out of retrofit and difficult installations by eliminating low voltage wires running between lighting and receptacle control units. This gives installers flexibility to quickly deploy, add additional devices, and configure and re-configure the system as needed. Hubbell's WL series controls utilize Clear Connect® communication and are compatible with other Clear Connect® devices, such as Hubbell's wireless occupancy sensors.

Codes and Standards

ASHRAE 90.1

ASHRAE 90.1 is the leading energy building efficiency standard for commercial buildings in North America. Section 8.4.2, ASHRAE 90.1- 2010 instituted the requirement that in certain spaces at least 50% of all receptacles are to be controlled by either time of day control device, an occupancy sensor or by an automated signal from another control or alarm system.

California Energy Commission Title 24

Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2013 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings.

NEC® 2017

Article 406.3(E) of the NEC® 2017 edition selected the standby (⏻) symbol as the marking for a receptacle connected to an automatic control system.

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Wired

Switched Receptacles for Automatic Receptacle Control

		15A		20A	
Description	Color	Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Auto ON/Auto OFF	Black	**HBL5262LC1BK**	**HBL5262LC2BK**	**HBL5362LC1BK**	**HBL5362LC2BK**
control. Capable of	Brown	**HBL5262LC1**	**HBL5262LC2**	**HBL5362LC1**	**HBL5362LC2**
controlling additional	Gray	**HBL5262LC1GY**	**HBL5262LC2GY**	**HBL5362LC1GY**	**HBL5362LC2GY**
receptacles downstream.	Green	**HBL5262LC1GN**	**HBL5262LC2GN**	**HBL5362LC1GN**	**HBL5362LC2GN**
	Ivory	**HBL5262LC1I**	**HBL5262LC2I**	**HBL5362LC1I**	**HBL5362LC2I**
	Lt. Almond	**HBL5262LC1LA**	**HBL5262LC2LA**	**HBL5362LC1LA**	**HBL5362LC2LA**
	White	**HBL5262LC1W**	**HBL5262LC2W**	**HBL5362LC1W**	**HBL5362LC2W**

Note: See page E-31 for technical information. Special order for hospital grade devices.

HBL5362LC2W

Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control.	**CU300HD**
Auto or Manual ON operation, 100-277V, AC 50/60Hz. Requires a CU300 series, heavy duty latching relay; suitable for automatic receptacle control applications.	**AAR20P**

Note: See page E-26 for technical specifications and wiring schematics.

CU300HD

Wireless

Switched Receptacles for Automatic Receptacle Control

		15A		20A	
Description	Color	Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Wireless receiver Auto	Black	**HBL5262RFC1BK**	**HBL5262RFC2BK**	**HBL5362RFC1BK**	**HBL5362RFC2BK**
ON/Auto OFF. Capable	Brown	**HBL5262RFC1**	**HBL5262RFC2**	**HBL5362RFC1**	**HBL5362RFC2**
of controlling additional	Gray	**HBL5262RFC1GY**	**HBL5262RFC2GY**	**HBL5362RFC1GY**	**HBL5362RFC2GY**
receptacles downstream.	Green	**HBL5262RFC1GN**	**HBL5262RFC2GN**	**HBL5362RFC1GN**	**HBL5362RFC2GN**
	Ivory	**HBL5262RFC1I**	**HBL5262RFC2I**	**HBL5362RFC1I**	**HBL5362RFC2I**
	Lt. Almond	**HBL5262RFC1LA**	**HBL5262RFC2LA**	**HBL5362RFC1LA**	**HBL5362RFC2LA**
	White	**HBL5262RFC1W**	**HBL5262RFC2W**	**HBL5362RFC1W**	**HBL5362RFC2W**

Note: See page E-31 for technical information. Special order for hospital grade devices.

HBL5262RFC1W

Heavy Duty Control Unit with Wireless Transmitter

Transmits an occupancy status to a wireless receiver such as a switched receptacle or a control unit. Auto or Manual ON operation. Powers up to six low voltage sensors.

Description	Voltage	Catalog Number
Heavy duty control unit with Clear Connect®.	100-277V AC	**WLCU301**

WLCU301

Heavy Duty Load Control Units with Wireless Receiver

Receive an occupancy status from a sensor or a transmitter and energize connected loads such as lighting or receptacles loads.

Description	Voltage	Catalog Number
Single (1) circuit heavy duty control unit with Clear Connect®.	100-277V AC	**WLC301**
Dual (2) circuit heavy duty control unit with Clear Connect®.	100-277V AC	**WLC302**

WLC301

Furniture Feed Box with Heavy Duty Relays and Wireless Receiver

Receive an occupancy status from a sensor or a transmitter and energize the connected receptacles loads. Mounts on an existing electrical junction box. Dual relay control excellent for office furniture partitions.

Description	Voltage	Catalog Number
Dual (2) circuit heavy duty furniture feed box with Clear Connect®.	100-277V AC	**WLC402W**

Note: See page E-32 for technical specifications and wiring schematics.

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

WLC402W

Features and Benefits

WL-Series Wireless Sensors and Controls

Hubbell's WL-Series Wireless Sensors and Controls are the ideal solution for renovation projects aimed at reducing energy consumption. These sensors use DSP Enhanced passive infrared technology to detect movement of heat from people to turn lights ON when a room is occupied and OFF when vacant. The sensors wirelessly transmit Clear Connect® commands to the associated control devices, reducing the need for additional wiring for ease and speed of installation and energy savings.

• Eliminates need to run extra wires

• Supports highly reconfigured spaces

• Helps complete projects quickly

• Helps manage energy consumption

Ceiling Mount

Housing Design
• High impact, UL 94-5V plastic
• Operating temperature: 32 ℉ to 104 ℉ (0 ℃ to 40 ℃)
• Multiple ceiling-mount methods available

Passive Infrared
• Three operation modes available: Auto ON, Auto ON Low-Light and Manual ON
• Advanced digital signal processing for fine motion detection
• Lens illuminates during test mode to verify coverage

Operation
• Auto ON Low-Light feature will only turn lights ON automatically if there is less than approximately 10 Lux (1 foot candle) of ambient light
• Accessible test buttons make setup easy

Wall Switches

Housing Design
• 8A lighting, 3A fan load capacity
• LED and CFL compatible with supplied load adaptor

Technology
• Green LED provides operation and setup feedback
• Digital push button operation provides user control

Operation
• Service switch prevents lights from turning ON during re-lamping
• No neutral required, no leakage to ground

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Wireless Wall Switches

Description	Color	Catalog Number
Switch, electronic 8A Lighting, 3A Fan (1/10 HP motor, 120V AC only), 120–277V AC; no neutral wire required.	White	**WLS1278W**
Accessory Switch for multi location control, 120V AC.	White	**WLAS120W**
Accessory Switch for multi location control, 277V AC.	White	**WLAS277W**
Dimmer, electronic 8A Lighting, 3A Fan (1/10 HP motor, 120V AC only), 120–277V AC; no neutral wire required.	White	**WLDCL153W**

WLS1278W

WLDCL153W

Wireless Remote Dimmers

Description	Color	Catalog Number
4 button, scene, configurable levels	White	**WLS4123W**
5 button, ON/Raise/Lower/OFF	White	**WLS4774W**

Wireless Ceiling Mount Sensor

Description	Color	Catalog Number
Ceiling mount 360° / 324-676 sq. ft.	White	**WLP450C**

WLS4123W

WLS4774W

Wireless Wall Mount Sensor

- Detection at longer distances is best when motion occurs at right angles to the sensor
- Multiple sensors can be used to extend coverage

Description	Color	Catalog Number
Wall mount 180° / 3000 sq. ft.	White	**WLP3000W**
Corner mount 90° / 2500 sq. ft.	White	**WLP2500W**
Hallway up to 150 linear feet.	White	**WLP150H**

WLP450C

Wireless Status Transmitter

Works with dual technology low voltage occupancy sensors or low voltage time based systems to transmit an occupancy signal to a receiver unit such as a wireless switched receptacle. It does not require batteries to operate.

Description	Voltage	Catalog Number
Wireless transmitter with Clear Connect®.	24V DC	**WLCA**

WLDH

WLP150H

Wireless Control Unit

Description	Catalog Number
Wireless load control unit, 16A, 120/277V AC.	**WLC316**
Wireless load control unit, 8A, 120/277V AC, 0-10V, 60mA current sinking.	**WLC860DZT**

WLCA

Wireless Daylight Sensor

Description	Color	Catalog Number
Daylight sensor 0–107,000 Lux (0-10,000 foot candles).	White	**WLDH**

WLC316

Accessories

Description	Color	Catalog Number
Wall box mounting bracket for WLS4123W and WLS4774W.	White	**WLBXKIT**
Tabletop base for WLS4123W and WLS4774W.	White	**WLBASE1W**

Note: Wireless devices above are compatible with Lutron Clear Connect controls.
See pages E-32 to E-35 for technical specifications, coverage patterns and wiring schematics.

WLBASE1W

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

WLBXKIT

Trends in energy efficiency for commercial buildings are making a nationwide impact not only on energy savings but also in customer personal preferences. Smart devices applications are making possible individualized customization of the work environment and other spaces.

Hubbell Wiring Device-Kellems puts forward solutions that are cost efficient while meeting or exceeding current energy efficiency codes and standards. Whether there is a requirement for localized, central or distributed control, Hubbell Wiring Device-Kellems comprehensive offering encompass solutions for each of these control architectures.

Space Control	Distributed Control	Centralized Control
Localized control flexibility.	Advanced control flexibility.	Superior control flexibility.
Based on standalone devices like occupancy sensors or time switches. Ideal for small building with few individual spaces.	Controllers are distributed throughout the floor/building. Although there can be a centralized control, distributed control systems are autonomous to perform individual control functions.	Control located at a central location with the option of a remote device located at a separate location but subjected to the primary control.
Operations like vacancy, dimming, pre-set light levels, automatic receptacle control, daylight harvesting, etc, are coordinated via control traditional wiring between devices.	Coordinated operations like vacancy, dimming, pre-set light levels, automatic receptacle control, daylight harvesting, etc. are embedded on the devices.	Coordinated operations like vacancy, dimming, pre-set light levels, automatic receptacle control, daylight harvesting, etc. are embedded on the devices.
Devices need to be configured individually.	Pre-terminated wiring. Reduces the amount of wiring errors. Full networking capability.	A mix of traditional and pre-terminated wiring exists.
No networking capability.		Devices need to be configured at the central location.
When wired appropriately meet most of the current Energy Efficiency Codes and Standards.	Addressable controllers and devices are self-configured or configured via a smart device application.	Meet or exceed the current Energy Efficiency Codes and Standards.
	Meet or exceed the current and future Energy Efficiency Codes and Standards.	

The Load:Logic Room Controller integrates automatic and manual control of lighting with the simplicity of plug-in installation and auto-configuration. Devices such as digital wall switches, vacancy/occupancy and daylight sensors are connected to the room controller by means of RJ45 connections reducing wiring errors. Comprehensive configuration of dimming, daylight and color tuning functions can be accomplished with the use of a Bluetooth® communication interface and free app available for both Android and iOS® devices. All of these features meet or exceed the current energy codes and standards resulting in an efficient and trouble-free installation.

Room Controller

Description	Catalog Number
2 Relays, 2 dimming channels, 120/277V AC.	**LLC2RD**
2 Relays, no dimming, 120/277V AC .	**LLC2R**

Note: See page E-36 for technical specifications and wiring schematics.

Interface Card and Modules

Description	Catalog Number
Bluetooth® module.	**RCBTM**
Dry contact input interface.	**RCDISP**
NC/NO output interface.	**RCSPOR**
3-Way bridging adapter (connects 2 devices sharing a signal).	**BR241444**
RJ45 adapter for non native RJ45 devices (10-pack).	**HBLRJ45A10**
Wireless transmitter.	**WLCA**

Switches with Pilot Light

Color	1 button	2 button	3 button	4 button	6 button
Black	**RCS1BK**	**RCS2BK**	**RCS3BK**	**RCS4BK**	**RCS6BK**
Gray	**RCS1GY**	**RCS2GY**	**RCS3GY**	**RCS4GY**	**RCS6GY**
Ivory	**RCS1I**	**RCS2I**	**RCS3I**	**RCS4I**	**RCS6I**
Light Almond	**RCS1LA**	**RCS2LA**	**RCS3LA**	**RCS4LA**	**RCS6LA**
White	**RCS1W**	**RCS2W**	**RCS3W**	**RCS4W**	**RCS6W**

Specialty Switches

Color	4 button, no pilot light, ON/Raise/Lower/OFF	6 button, with pilot light, Scene	2 button, no pilot light, Raise/Lower	1 button, with pilot light, Time to ON	2 button, no pilot light, ON/OFF
Black	**RCSNRLFBK**	**RCSSCBK**	**RCSRLBK**	**RCSTOBK**	**RCSNFBK**
Gray	**RCSNRLFGY**	**RCSSCGY**	**RCSRLGY**	**RCSTOGY**	**RCSNFGY**
Ivory	**RCSNRLFI**	**RCSSCI**	**RCSRLI**	**RCSTOI**	**RCSNFI**
Light Almond	**RCSNRLFLA**	**RCSSCLA**	**RCSRLLA**	**RCSTOLA**	**RCSNFLA**
White	**RCSNRLFW**	**RCSSCW**	**RCSRLW**	**RCSTOW**	**RCSNFW**

Sensing Devices

Description	Catalog Number
Daylight Sensor, Indoor.	**RCDP**
Daylight Sensor, Outdoor.	**RCODP**
Dual Technology Ceiling Sensor, 2,000 sq.ft.	**ATD2000C***
Switched Receptacle, Split Controlled, 20A, White.	**HBL5362LC1W***
Switched Receptacle, Full Controlled, 20A, White.	**HBL5362LC2W***

*Note: *Requires (1) HBLRJ45A10.*

UTP Cat. 5e Patch Cords, Plenum, No Boot

Size	Color	Catalog Number
3 ft.	Yellow	**NSC5EY03PNB**
10 ft.	Yellow	**NSC5EY10PNB**
15 ft.	Yellow	**NSC5EY15PNB**
25 ft.	Yellow	**NSC5EY25PNB**
50 ft.	Yellow	**NSC5EY50PNB**
100 ft.	Yellow	**NSC5EY100PNB**

Features and Benefits

Centralized Control - Load:Logic® Control Panels

These control panels feature a broad set of programming capabilities allowing for manual or scheduled control of up to 48 loads. Designed to be a cost effective solution for compliance with the latest energy codes and standards, the panel offers maximum flexibility to a wide range of small to medium commercial and institutional applications.

The commissioning process is achieved via simple and intuitive scrolling menus. To program, check status or updates, pre-programmed scenarios that can be saved and exported in a portable document file (PDF) format.

- Time based or occupancy based control capabilities
- Same form factor, 1-pole or 2-pole, single input smart relay cards
- Configurable auxiliary contact inputs and outputs
- 0-10V dimming card with demand response capability
- Automatic Receptacle Control capability
- Compatible with Hubbell occupancy sensors and low voltage switches

Load:Logic® 8-Relay Panel Interior

Auxiliary Inputs

Dry Contact Outputs

Dimming Card

Master/Secondary Card

Individual Mounted Relay Card

Load:Logic® Energy Efficiency Panels, Relays and Accessories

4 and 8-Relay Panels

Description	4-Relay	8-Relay	
	Stand Alone	*Master*	*Secondary*
Relay panel with space for field installation, 120/208/240/277V AC.	**CP042RRR3**	**CP082RRR1**	**CP082RRR2**

16 and 24-Relay Panels

Description	16-Relay		24-Relay	
	Master	Secondary	Master	Secondary
Relay panel with space for field installation, 120/277V AC.	**CP162RRR1**	**CP162RRR2**	**CP242RRR1**	**CP242RRR2**
Relay panel with space for field installation, 480V AC.	**CP163RRR1**	**CP163RRR2**	**CP243RRR1**	**CP243RRR2**

Load:Logic™ Control Panels

Field Installed Relay Cards

Description	Catalog Number
20A 1-Pole Electrically Held N/O 120-277V.	**R21HN**
30A 1-Pole Latching 120-277-347V.	**R31LX**
20A 2-Pole Electrically Held N/O 480V.	**R202HN**
20A 2-Pole Electrically Held N/C 480V.	**R202HC**

R21HN
20A/1P 14K SCCR

R31LX
30A/1P 18K SCCR

R202HN, R202HC
20A/2P 14K SCCR

Dimming Load:Logic Interface Card

- Full range dimming with preset dimming levels
- RJ45 connection ports for dimming switches
- Operates with 0-10V dimmable ballasts
- Max. Dim Level (Demand Response System Settings)
- Upgrade option to existing and new Load:Logic Panels
- Provides manual and automatic control of dimming levels

Interface Cards

Description	Catalog Number
8-channel dimming contoller option board.	**CPDM8CTRB**

CPSD4W
(Shown with labels)

Dimming Switches (Compatible with Hubbell Wiring Device Load Control Panels)

Description	Color	1 button	2 button	3 button	4 button	6 button*
Load control panel, low voltage dimming switches.	Black	**CPSD1BK**	**CPSD2BK**	**CPSD3BK**	**CPSD4BK**	**CPSD6BK**
	Gray	**CPSD1GY**	**CPSD2GY**	**CPSD3GY**	**CPSD4GY**	**CPSD6GY**
	Ivory	**CPSD1I**	**CPSD2I**	**CPSD3I**	**CPSD4I**	**CPSD6I**
	Light Almond	**CPSD1LA**	**CPSD2LA**	**CPSD3LA**	**CPSD4LA**	**CPSD6LA**
	White	**CPSD1W**	**CPSD2W**	**CPSD3W**	**CPSD4W**	**CPSD6W**

Note: Compatible with Load:Logic Control Panels equipped with dimming controller card ONLY.
Configurable for a variety of button functions. Function specific button caps supplied with units.
Use standard decorator wallplates (order separately).
*Special order only.

Load:Logic® Energy Efficiency Panels, Relays and Accessories

Low Voltage Switches

Description	Color	1 button with LED pilot light	2 button	2 button with LED pilot light	4 button with LED pilot light
Low voltage switch, momentary.	Ivory	DSM30I1P	DSM30I2	DSM30I2P	DSM30I4P
	Light Almond	DSM30LA1P	DSM30LA2	DSM30LA2P	DSM30LA4P
	White	DSM30W1P	DSM30W2	DSM30W2P	DSM30W4P

Replacement Parts

Description	Catalog Number
Transformer, 120/208/240/277V AC to 24V AC, 4 and 8-relay panel.	CPTFMR27
Transformer, 120-277V AC to 24V AC, 16-24 relay panel.	CPTFMR12
Transformer, 347-480V AC to 24V AC, 16-24 relay panel.	CPTFMR48
Panel replacement motherboard for 4-relay panel.	CPMBRD04
Panel replacement motherboard for 8-relay panel.	CPMBRD08
Panel replacement motherboard for 16-24 relay panel (8-relays).	CPMBRD16
Master controller, replacement kit.	CPMCTRRKT
Secondary interface, replacement kit.	CPSINTRKT

Load:Logic® Configuration Software

The optional configuration software allows commissioning of the Load:Logic® Control Panel using a personal computer to create a program file. Once the file is completed, it is then copied to an SD memory card and uploaded to the panel. The Master Panel has an SD Card slot on the left side of the User Interface that allows for this upload. Additionally, the program file can be downloaded to an SD Card and then opened on a personal computer. The software also allow for a portable document file (pdf) output of the panel configuration parameters that can be submitted as project documentation. The program is available as a free download at www.hubbell-wiring.com.

Configurator User Guide

Load:Logic® Control Panels

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Adaptive Technology Wall Switch Sensors

Electrical	AD2000, APD2000, AP2000 and AU2000 Series
Power Supply	120/277V AC, 50/60Hz
Load Capacity	
120V AC	800W Incandescent, 1000W Electronic Ballast, 5A LED
277V AC	1800W Electronic Ballast, 5A LED
Motor Load	1/6HP
Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit (AD2240 Series)
Agency Approvals	UL and cUL Listed

Physical	
Housing	High impact plastic (UL 94-5V)
Lens	Dual element pyrometer and 12 element cylindrical hard lens (AP2000 only)
Dimensions	Face 2.57"H x 1.71"W, 0.53"D (from wall out)
Mounting Height	42 to 54 inches above floor

Environmental	
Operating	32° F to 104°F (0°C to 40°C); 0% to 95% non-condensing relative humidity

Controls	
Time Delay	Digital, adaptive 4 to 30 minutes, 20 minutes default
Ambient Light	Adjustable ambient light override, 10 to 500 foot candles
Front Press Switch	Auto/OFF
Sensitivity	Adaptive 0% to 100%
Service Switch	Air gap OFF
Dimming	0-10V, Sink up to 30mA (APD2000 series only)

Sensing Indicator	
Passive Infrared	Red LED (AD & AP series only)
Ultrasonic	Green LED (AD & AU series only)

Wall Switches Coverage Patterns

Minor Motion: ■ Ultrasonic ■ PIR
Major Motion: ■ Ultrasonic ■ PIR

AD2000 Series

AP2000 Series

AU2000 Series

Wiring Schematic AD, AU, AP, 2000 Series Wall Switch Sensors

Single Circuit Wiring

Two Circuit Sensor, Wired for Two Loads

Wall Switch Sensors with Neutral Wires

Single Circuit Sensors, Wired as 3-Way Sensors*

Low Voltage Wall Switch Sensors*

*Note: *Load can not exceed the rating of one switch.
Sensor is shipped with all DIP switches in the OFF position (factory default).*

Adaptive Technology PIR Wall Switches
WS2000, WS1000 and WS1020 Series

Electrical	WS2000 Series	WS1000/WS1020 Series
Power Supply	120/277V AC, 60Hz	120V AC, 60Hz
Load Capacity		
Incandescent	1000 watts	5A/600 watts
120V Ballast, CFL, LED	1000 watts, 1/6HP	5A/600 watts, 1/6HP
277V Ballast, CFL, LED	1800 watts	N/A
Agency Approvals	cULus Listed	cULus Listed
Warranty	5 years	5 years

Physical	
Housing	Flame retardant UL 94 V-0 ABS
Lens	Polyethylene
Dimensions	Face 2.59"H x 1.30"W, 0.61"D (from wall out)
Mounting Height	42 to 54 inches above floor

Environmental	
Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 20% to 90% non-condensing relative humidity
Storage	-40°F to 150°F (-40°C to 65°C); 20% to 90% non-condensing relative humidity

Controls	WS1000/WS2000 Series	WS1001/WS1020 Series
Time Delay	Manual 6 seconds to 20 minutes	
Ambient Light	Digital, pushbutton, 10 to 500 foot candles	N/A
Front Press Switch	ON/OFF	ON/OFF
Service Switch	OFF (service) Vac (manual ON) Occ (auto ON)	OFF (service) ON (service)

Sensing Indicator	
Passive Infrared	Red LED

Wall Switches Coverage Patterns

Minor Motion: ▮ PIR   **Major Motion:** ▮ PIR

WS2000, WS1000 and WS1020 Series

**Vertical Coverage
WS2000, WS1000 and WS1020 Series**

Wiring Schematic WS2000, WS1000 and WS1020 Series Wall Switches

WS2000 Series Wall Switch Sensors

WS1020 Series Wall Switch Sensors

Dual Circuit Sensor, Wired for Dual Circuits

Adaptive Dual Technology, Ultrasonic and Passive Infrared Ceiling and Wall Mount Sensors
ATD, ATU, AHP and ATP Series

Electrical

Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit
Isolated Relay (sensors with RP suffix)	Relay: N/O + N/C contacts; 500mA rated @ 24V DC; 3-wire isolated relay
Agency Approvals	UL and cUL Listed

Physical

Physical	Ceiling Sensors	Wall Mount Sensors
Housing	Flame retardant UL 94 V-0 ABS	Flame retardant UL 94 V-0 ABS
Protection	NEMA 4X, when used with ACIPE	NEMA 4X, IP66, outdoor use rated (AHP only)
Lens	Polyethylene	Polyethylene
Dimensions	1.5"H x 4.5"Diameter	6"H x 2"W x 1.5"D
Color	Office white	Office white; Gray (AHP series)
Mounting Height	8 to 12 feet	8 to 12 feet, 8 to 30 feet (ATP120HB series)

Environmental

Operating	32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non-condensing relative humidity
	-40°F to 149°F (-40°C to 65°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non-condensing relative humidity (AHP series)
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 95% non-condensing relative humidity

Controls

Time Delay	Test (8 seconds), adaptive 8 to 40 minutes
Ambient Light	1 to 1000 foot candles
Sensitivity	Adaptive 0 to 100%

Sensing Indicators

Ultrasonic (ATD and ATU Series)	Green LED
Passive Infrared (ATD, AHP and ATP Series)	Red LED

Ceiling Sensors Coverage Patterns

Minor Motion: ■ Ultrasonic ■ PIR   Major Motion: ■ Ultrasonic ■ PIR

ATD2000C Series

ATD1000C Series

ATP1500C Series
AHP1500CRP Series

ATP600C Series

ATU2000C Series

ATU1000C Series

ATU500C Series

LVPR1500R(P)

ATU2000C Series
Hallway Application

Wall Mount Sensors Coverage Patterns

Minor Motion: ■ Ultrasonic ■ PIR **Major Motion:** ■ Ultrasonic ■ PIR

ATD1600W Series

ATP1600W Series
AHP1600WRP Series

ATP120HB Series
Top View

Side View

Control Units - CU300A or CU300M and CU300HD Series

Electrical	CU300A or CU300M	CU300ELC	CU300HD
Power Supply	100-277V AC, 50/60Hz	100-277V AC	100-277V AC, 50/60Hz
Power Output	24V DC, 150mA	N/A	24V DC, 250mA
Load Capacity	16A, 8A LED	16A	20A
Motor Loads			
	1HP	1HP	1HP @ 120V
			2HP @ 240/277V
AT Sensor/AAR Capacity	1 to 4 combined		1 to 6 combined
Agency Approvals	UL and cUL Listed	cULus Listed	cULus Listed
Physical			
Housing	Flame retardant UL94-5VA thermoplastic	Flame retardant UL94-5VA thermoplastic	
Dimensions	3.69"L x 2.33"W x 1.36"H	4.00"L x 3.4"W x 1.73"H	
Color	Black	Black	
Environmental			
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity	-40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity, non-condensing	
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% non-condensing relative humidity		

Add-A-Relay Control Units

Electrical	AAR	AAR20P
Power Input	24V DC nominal, 33mA from Hubbell CU series control unit	24V DC nominal, 50mA from Hubbell CU300HD series control unit
Load Capacity	16A, 120/277V AC, 8A LED	20A, 100-277V AC
Motor Loads	1800 watts	Motor Loads
1HP @ 120V	2400 watts	1HP @ 120V
2HP @ 240/277V	2400 watts	2HP @ 240/277V
Operation Mode	Auto ON/Auto OFF	Selectable Auto ON/Auto OFF or Manual ON/Auto OFF
Agency Approvals	UL and cUL Listed	cULus Listed
Physical		
Housing	Flame retardant UL94-5V thermoplastic	Flame retardant UL94-5VA thermoplastic
Dimensions	3.69"L x 2.33"W x 1.36"H	4.00"L x 3.4"W x 1.73"H
Color	Black	Black
Environmental		
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity	-40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity, non-condensing
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% non-condensing relative humidity	

Ceiling and Wall Mount Sensors ATD, ATU and ATP Series

Single lighting circuit 1 to 4 sensors wired to control unit with optional override OFF switch application.

CU Series Control Unit

ATD, ATU and ATP Series Sensors**

*Optional Override OFFSwitch

Ceiling sensor with "RP" option

Gray (Control + Photocell)
Blue/White (Relay Common)
Black/White (Relay Normally Closed)
Yellow/White (Relay Normally Open)

Single lighting circuit with 0-10V dimming and automatic receptacle control application.

Control Unit CU300A

LIGHTING LOAD
Dimmable Flourescent Fixture

DHADC or DHTD
0-10 V Dimming Photocell. Can control up to 50 dimmable ballasts

Control Unit CU300HD

PLUG LOAD

ATD, ATU, ATP Series Sensors 1-4 Sensors per Control Unit max.

Bi-level lighting circuit and automatic receptacle control application.

Control Unit CU300A

ATD, ATU, ATP Series Sensors, 4 max. per control unit

Single Pole Wall Switch

LIGHTING LOAD #1

Control Unit CU300M

LIGHTING LOAD #2

Low Voltage Switch DSM30x1

Control Unit CU300HD

PLUG LOAD

Hot Plug Load

Neutral Plug Load

Two lighting circuits and automatic receptacle control application.

Control Unit CU300HD

ATD, ATU, ATP Series Sensors

PLUG LOAD

AAR ADD-A-RELAY

LIGHTING LOAD #1

AAR ADD-A-RELAY

LIGHTING LOAD #2

Adaptive Technology Dual, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors
ATD, ATU and ATP Series

Single Circuit, Dual Level Switching Application:
1 to 4 sensors wired to control unit with optional override off switches.

Red
Blk
Blue

Red
Blk
Blue

Red
Blk
Blue

CU Series Control Unit (Specify Voltage)

Single Pole Switch

Single Pole Switch

Red
Red

Red
Black
White

Red
Black
Blue

Outboard Ballast
Inboard Ballast

White

H   N

ATD, ATU and ATP Series Sensors**

Single Circuit, 3-Way Switching Application:
1 to 4 sensors wired to control unit with optional override off switches.

Red
Black
Blue

Red
Black
Blue

Red
Black
Blue

Traveler
Traveler

3-Way Switch   3-Way Switch

CU Series Control Unit (Specify Voltage)

Red
Red

Red
Black
Blue

Black
White

Lighting Load

White

H   N

ATD, ATU and ATP Series Sensors**

Multi-Circuit Application:
1 to 4 sensors wired to control unit that is wired to a multi-pole lighting contactor.

N H

CU Series Control Unit

Black
White
Red

Red

Red (+24V)
Black
Blue

Blue Blk Red   Blue Blk Red

ATD, ATU, ATP, PIR Series Sensors**

Lighting Contactor

White

C

Multipole, Normally Open Lighting contactor to be supplied by Contractor

Single Circuit, 4-Way Switching Application:
1 to 4 sensors wired to control unit with optional override off switches.

Red
Black
Blue

Red
Black
Blue

Red
Black
Blue

Traveler
Traveler

3-Way Switch   4-Way Switch   3-Way Switch

Traveler

CU Series Control Unit (Specify Voltage)

Red
Red

Red
Black
Blue

Black
White

Lighting Load

White

H   N

ATD, ATU and ATP Series Sensors**

Note: **For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.

OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors

User Interface	(1) twelve pin DIP switch
Timer time-outs	Primary: 8-second test mode, 4, 8, 16 and 30 minute time-outs Secondary: (Can be disabled) 30, 60 and 90 minute time-outs
Passive infrared	Dual element pyrometer and spherical Fresnel lens
Daylight sensor	Dual element pyrometer and spherical Fresnel lens designed for robust detection of a walking person*
Coverage	360° lens provided, 180° aisle and end-of-aisle lenses also available
Load ratings (Line voltage units)	120V AC: 800W ballast or tungsten, 5 LED 208/240V AC: 1200W ballast 277V AC: 1200W ballast, 5 LED 480V AC: 2400W ballast 347V AC: 1500W ballast ¼ HP motor load @ 120V AC, ⅙ HP @ 347V AC
Low voltage sensors (Output)	24V DC nominal, 33mA from Hubbell CU series control unit Relay: N/O + N/C contacts; 500mA rated @ 24V DC; 3-wire isolated relay
0-10V Dimming	Capable of sinking up to 30mA (Dimming series)
Dimming presets unoccupied	70%, 60%, 50%, 20% (Dimming series)
Full OFF timer delay enabled	After 60 minutes in the Unoccupied low level state, sensor will turn lighting OFF
Full OFF timer delay disabled	Sensor will maintain low level setting when there is no occupancy (Dimming series)
Operating environment	Indoor use only models Operating temperature: (standard version) 32°F to 149°F (0°C to 65°C); Relative humidity (non-condensing): 0% to 95%
	Indoor and outdoor use (Watertight) IP65 models HBSXT series Operating temperature: -40°F to 149°F (-40°C to 65°C)
Construction	Casing: High-impact injection-molded thermoplastic
Size and weight	Size: 4.0" Diameter x 1.5" Height; Weight: 7 oz.
Color	White
Mounting	Mounts directly to end of a fixture through an extended ½ inch chase nipple for deeper body fixtures, an optional Extender Adapter (HMHBSA available separately) positions the sensor flush or below the bottom of the reflector for a full field of view
Certifications	cULus Listed, indoor models
	Conforms to UL STD 508, UL STD 244A, and IP65 (Watertight) models HBSXT series
Warranty	5 year limited

*Note: *When used with program start ballast, a 1-2 second delay from occupancy detection to lamp turn-on may be experienced.*

Coverage Pattern

Minor Motion: ▇ PIR   **Major Motion:** ▇ PIR

HMHB Series

H = 0' to 45'

R = C x H

Lens Coverage
C = 1.4 @ 00–30 and 1.1 @ 30–45 (FT)

Height (H)	Radius (R)	Diameter (D)
18	25.2	50.4
20	28	56
24	33.6	67.2
28	39.2	78.4
30	42	84
32	35.2	70.4
36	39.6	79.2
40	44	88
42	46.2	92.4
45	49.5	99

OPTIMYZER® Low Mount Lens Modification Coverage Patterns

Minor Motion: ▇ PIR   **Major Motion:** ▇ PIR

Top View

LBRL360

Side View

Lens Coverage
3:1 Ratio (FT)

Height (H)	Radius (R)	Diameter (D)
8	24	48
10	30	60
12	36	72
14	42	84
16	48	96

OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors,
Low Voltage Sensor with Control Unit

Neutral

Hot

Lighting Load A

Override Switch (Optional)

ON When Occupied

Low Voltage Sensors(devices)

Red
Red
Black
White

Red (+24VDC)

Black (common)

Blue (control)

Red (+24VDC)

Black (common)

Blue (control)

CU300A(M)
CU300HD for MAXX™ Version

Gray (Occupancy and Photo Sensor Control)

Blue/White (Relay Common)

Black/White (Relay Normally Closed)

Yellow/White (Relay Normally Open)

Lighting Load B

Override Switch (Optional)

ON When Occupied + Low Light Level

Red
Red

Red (+24VDC)

Black (common)

Blue (control)

AAR
AAR20P for MAXX™ Version

Phase 2

Phase 1

To Next Device

Black White Violet

Lighting Load

Phase 1   Phase 2

Red

Blue

OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Single Fixture

Neutral

Hot

Black

Violet (2-Relay Version)

White (Neutral)

White

Single Fixture

Lighting Load
A   B

Gray

Black

Red

Blue (2-Relay Version)

OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Two Fixtures

Neutral

Hot

Black

Violet (2-Relay Version)

White (Neutral)

White

White

Lighting Load
A

Lighting Load
B

Black

Black

Red

Blue (2-Relay Version)

HBL5362LC2W   **HBL2172LC2W**

HBL® Heavy Duty Style Line® Specification Grade and Hospital Grade Straight Blade Switched Duplex Receptacles

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. HBL5262LC1, HBL2172LC1	Receptacle	15A (Always Hot), 8.3A (Switched)
Manufacturer's Identification - Hubbell HBL5262LC1 Receptacle	Top	Nylon
Description - Straight Blade Switched Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire Grounding	Power Contacts	0.031 in. (0.8) Brass
Rating - Uncontrolled (Always Hot) 15A, 125V	Wire Clamp	0.062 in. (1.6) Steel-Nickel Finish
- Controlled (Switched) Tungsten 8.3A, CFL & LED: 3.75A	Mounting Strap	0.047 in. (1.2) Brass
Motor Load: 1/2HP	Line Terminal Screws	#8-32 Brass, Multiple Drive
Certification - cULus 498B SA: UL File No. E481574	Ground Screw	#8-32 Brass, Multiple Drive
Fed. Spec. WC596G	Center Assembly Staple	0.040 in. (1) Steel (Galvanized)
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. HBL5362LC1, HBL2182LC1	Receptacle	20A (Always Hot), 12.5A (Switched)
Manufacturer's Identification - Hubbell HBL5362LC1 Receptacle	Top	Nylon
Description - Straight Blade Switched Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire Grounding	Power Contacts	0.031 in. (0.8) Brass
Rating - Uncontrolled (Always Hot) 20A, 125V	Wire Clamp	0.062 in. (1.6) Steel-Nickel Finish
- Controlled (Switched) Tungsten 12.5A, CFL & LED: 5A	Mounting Strap	0.047 in. (1.2) Brass
Motor Load: 1HP	Line Terminal Screws	#8-32 Brass, Multiple Drive
Certification - cULus 498B SA: UL File No. E481574	Ground Screw	#8-32 Brass, Multiple Drive
Fed. Spec. WC596G	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical (Always Hot Receptacle)

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V AC
Current Interrupting	Certified for current interrupting at full current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at power factor of 75%.

Mechanical

Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accomodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental

Flammabilty	UL94V-2
Operating Temperature	32°F (0°C) to 104°F (40°C)

WLC Load Control Devices with Wireless Clear Connect Communication

Electrical	WLCA	WLCU301	WLC301	WLC302	WLC402W
Power Supply	24V DC	100-277V AC, 50/60Hz	100-277V AC, 50/60Hz	100-277V AC, 50/60Hz	100-277V AC, 50/60Hz
Power Output	N/A	24V DC 250mA	N/A	N/A	N/A
Circuits Controlled	N/A	1	1	2	2
Load Capacity		100-277V AC, 20A 1HP @ 120V AC 2HP @ 240/277V AC	100-277V AC, 20A 1HP @ 120V AC 2HP @ 240/277V AC	100-277V AC, 20A 1HP @ 120V AC 2HP @ 240/277V AC	100-277V AC, 20A 1HP @ 120V AC 2HP @ 240/277V AC
Agency Approvals	UL Listed, cULus, FCC, IC, UL/cUL 916 listed for energy management equipment				
Device Type (Transmit or Receive)	TX	TX	RX	RX	RX
Range (Standard/ Obtructed)	30 ft. (10m)	30 ft. (10m)	30 ft. (10m)	30 ft. (10m)	30 ft. (10m)
Range (Unobstructed, line of sight)	60 ft. (30m)	60 ft. (30m)	60 ft. (30m)	60 ft. (30m)	60 ft. (30m)
Physical					
Housing	Flame retardant UL 94-5VA thermoplastic				
Dimensions	4.00"L x 3.4"W x 1.73"H				4.68"L x 4.94"W x 2.78"H
Color	Black	Black	Black	Black	White

Wired Load Control

Wireless Load Control

Easily upgrade existing occupancy based lighting control systems to support automated receptacle control systems.

Use WLC302 or -402 for dual circuit control

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Wireless Wall Switch (WLS1278 Series)

Electrical	Operating voltage: 120/277V AC, 50/60Hz; Green indicator light
Operating Environment	Indoor use only Ambient operating temperature: 32°F to 104°F (0°C to 40°C); relative humidity: 0% to 90% humidity, non-condensing
Wire Size	#20 to 16 AWG (0.5 to 1.5mm^2) solid or stranded wire
Capacity	Up to 9 WLAS accessory switches can be configured to work together with one WLS1278
Range	RF range is 30 ft. (10m) obstructed, 60 ft. (18m) line of sight
Certifications	UL Listed, CSA Certified, FCC Approved; Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules
Warranty	1 year

Wireless Control Unit (WLC316R)

Electrical	Operating voltage: 120/277V AC, 50/60Hz LED status indicator: displays load status and provides programming feedback Power failure memory: (Relay returns to previous level prior to interruption) Output is non-latching
Operating Environment	Indoor use only Ambient operating temperature: 32°F to 131°F (0°C to 55°C); Relative humidity: 0% to 90% humidity, non-condensing
Load	Maximum load: 16A general purpose. No minimum Motor rating: 0.5 HP (120V AC), 1.5 HP (277V AC)
Isolated Relay	Normally open (NO) and normally closed (NC) dry contacts Maintained latching output The isolated relay is not rated to control unclamped, inductive loads Inductive loads include, but are not limited to relays, solenoids and motors to control these types of equipment
Range	RF range is 30 ft. (10m) obstructed, 60 ft. (18m) line of sight
Certifications	UL Listed, UL 2043 Plenum Rated, FCC Approved. Complies with the limits for a Class B device, pursuant to Part 15 of the FCC rules. CSA and IC
Warranty	1 year

Range Diagram

Install in center of room to maximize RF coverage.

Wireless Occupancy Sensor

30 ft (10m) Maximum

30 ft (10m)

Wireless Transmitter must be installed within 30 ft (10m) of the load control unit.

40 ft (12m)

Line of sight distance, 60 ft (18m)

Contact Hubbell first for applications using foil-backed or metallic ceiling tiles.

Wireless Sensor Coverage Patterns

Top View — Ceiling Mount WLP450C

7'   11'

Side View

8'   6'   12'

Top View — Wall Mount WLP3000W

25' 18' 0' 18' 25'   50'   60'

Side View

60'   50'   7   0

Top View — Corner Mount WLP2500W

50'   35'

Side View

50'   35'   7   0

Sensor Coverage Chart (for sensor mounted in center of room)

Ceiling height	Maximum room dimensions for complete floor coverage*	
8 ft. (2.4m)	18 ft. x 18 ft. (5.5m × 5.5m)	324 sq. ft. (30.2m^2)
9 ft. (2.7m)	20 ft. x 20 ft. (6.1m × 6.1m)	400 sq. ft. (37.2m^2)
10 ft. (3.0m)	22 ft. x 22 ft. (6.7m × 6.7m)	484 sq. ft. (44.9m^2)
12 ft. (3.7m)	26 ft. x 26 ft. (7.9m × 7.9m)	676 sq. ft. (62.4m^2)

*Note: *12 ft. (3.7m) is the recommended maximum mounting height.*

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Wireless Hallway Sensor

Electrical	Operating voltage: 3V Operating current: 14 μA nominal 10-year battery life design Supplied with one CR 123 lithium battery Non-volatile memory (saved changes are stored during power loss)
Construction	High impact, UL 94-5V plastic
Operating Environment	Indoor use only Operating temperature: 32°F to 104°F (0°C to 40°C)
Range	RF range is 30 ft. (10m) obstructed, 60 ft. (18m) line of sight
Sensor Coverage Test	Dedicated test button Lens illuminates orange in response to motion during test mode
Wireless Communication Test	Dedicated test button; Turn associated loads ON and OFF
Time Out Options	1 minute (intended for use in high-activity, briefly occupied areas only); 5 minutes; 15 minutes (default setting); 30 minutes
Auto ON Options	"Enabled" – Sensor turns lights ON and OFF automatically – default setting "Disabled" – Lights must be turned ON manually from a switching device Sensor turns lights OFF automatically
Sensitivity Options	Low Activity (default setting); Medium Activity; High Activity
Certifications	cULus Listed, FCC Certified, IC Certified Meets CA (USA) Energy Commission Title 24 requirements
Warranty	1 year

Wireless Hallway Sensor Coverage Patterns

Top View

Side View

WLP150H

Sensor Coverage Chart (Hallway)

Width of Hall	Length of Hall
6 ft. (1.0m) or less	50 ft. (15.2m)
8 ft. (2.4m)	100 ft. (30.5m)
10 ft. (3.0m) or more	150 ft. (45.7m)

Note: Sensor mounting shown at 7 ft. (2.1m)Mounting height should be between 6 and 8 ft. (1.6 and 2.4m).

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Wireless Wall Switch (WLS1278 Series)

Single Location Installation
WLS1278xx*

*Note: *The included LUT-MLC ensures proper function when fluorescent, CFL, or LED loads are used. Install the LUT-MLC inside a load fixture or in a separate J-box of the circuit.*

1 When using controls in single location installations, tighten the blue terminal without any wires attached. DO NOT connect the blue terminal to any other wiring or to ground.

2 Up to 9 Accessory Switches may be connected to the Wireless Switch. Total blue terminal wire length may be up to 250 ft. (76m).

3 Requires WLAS120 for 120V AC applications, and WLAS277 for 277V AC applications.

Multi-Location Installation[2]
with WLAS1278xx or WLAS277xx[3]

Low Voltage Switches with 0-10V Dimming

Specifications

Base Catalogs: DSM30xx, DSL30xx, DSC010xx, DSM010xx, DSL010xx

Compatible with Hubbell Wiring Device-Kellems CU300HD, CU300M control units, AAR20P relay packs.

0-10V Dimming Series compatible with IEC60929 Annex E.2 compliant LED Drivers

Accepts Hubbell Wiring Device-Kellems NPS26 and NP26 series decorator style wall plates (Not Included)

Two-year warranty

Electrical Ratings

100mA @ 30VDC

0-10V Dimming Series: Current Sinking Capacity: 100mA

Available in Latching, Momentary, and Combination (DSC010series) of both configurations

0-10V Dimming, Class 2 Low Voltage Wiring

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Distributed Control Load:Logic Room Controller

General Specifications

Electrical Ratings	Input: 120/277/347VAC, 20A Max, 60Hz
	     347VAC, 20A Max, 60Hz
	Output*: 20A, Tungsten, 120VAC only
	     20A, Magnetic Ballast, 8A LED
	     16A, Electronic Ballast, 8A LED
	     1 H.P. Motor @120V, 3/4 H.P. @277V; 1\2 H.P.@347V
	*For (2) relay models the maximum combined output of both relays: 20A
	Low Voltage Ports:
	     Class 2
	     24VDC, 250mA MAX (all outputs combined)

Dimming	0-10V, 60mA per channel (LLC2RD) For use with low-voltage, two-wire dimming ballast and LED drivers.
Operating Environment	Operating Temperature: 0°C to 40°C Relative humidity (non-condensing): 0 to 95%
Construction	Housing: GSM UL Rated 94 HB Plastic
Plenum rated	Complies with requirements for use in a plenum area Plenum rated for external junction box mounting
Size and Weight	Size: 5.75"L x 3.85"W x 1.30"H Weight: 4 oz
Color	Yellow
Mounting	Mounts directly to an external junction box through an extended ½" chase nipple.
Patents	Patent(s) Pending
Certifications	Conforms with UL916 and Certified to CAN/CSA C22.2 No. 205-M1983 IC Approved
Warranty	Five-year limited

Energy Efficiency Solutions

Centralized Control - Load:Logic® Control Panels, Low Voltage Connections

Occupancy Sensor

RED (+24VDC)
BLUE (CONTROL)
Black (- COMMON)

24V
CONTROL
COMMON
LED

Daylight Sensor

RED (+24VDC)
BLUE (CONTROL)
Black (- COMMON)

24V
CONTROL
COMMON
LED

Low Voltage, Momentary Switch, No Pilot Light

BLUE
BLACK
BLUE

24V
CONTROL
COMMON
LED

Low Voltage, Latching Switch, No Pilot Light

BLUE
BLACK
BLUE

24V
CONTROL
COMMON
LED

Low Voltage, Momentary Switch, With Pilot Light

BLACK
BLUE
BLACK/WHITE
BLUE/WHITE
BLACK/WHITE

24V
CONTROL
COMMON
LED

Low Voltage, Latching Switch, With Pilot Light

BLACK
BLUE
BLACK/WHITE
BLUE/WHITE
BLACK/WHITE

24V
CONTROL
COMMON
LED

Enclosure Dimensions

4/8 Relay Panels

14.5"
1.186"
Mounting Hole
9.5"
2.5"
12.75"
17.0"
3.064"
Mounting Hole

16/24 Relay Panels

20"
1.186"
Mounting Hole
14"
3"
24.0"
20"
Mounting Hole
Mounting Hole

Energy Efficiency Solutions

CU300ELC Unit Wired with Control Unit CU300HD

Hubbell CU300ELC

CU300HD

Class 2 Wiring

Violet
Violet
Blue
Blue

Black
Gray
Red
White
Black
Red

Sense Wires

Black
Gray
Red

Black
Blue
Red

Remote Test Switch

N.O. Local Test Switch

Emergency

White
Black

Lighting Load EM

Gray
Violet

Hot
Neutral
Ground

Black
White

Emergency Power (Always ON)

Hot
Neutral
Ground

Black
White

Normal Power

Normal

Black
White

Lighting Load NORMAL

Gray
Violet

Class 2 Wiring 0-10V Dimming

CU300ELC Unit Wired with Room Controller LLC2RD

Hubbell CU300ELC

Room Controller
Hubbell **LLC2RD**

Violet
Violet
Blue
Blue

Black
Gray
Red
White
Black
Red

Sense Wires

Utility

Black
White
Red

Blue

A   B

Violet/White
Violet
Gray

To Remote Test Switch

RTB10W

Emergency

White
Black

Lighting Load EM

Gray
Violet

Hot
Neutral

Black
White

Emergency Power (Always ON)

Hot
Neutral

Black
White

Utility Power

Utility

Black
White

Lighting Load NORMAL

Gray
Violet

Class 2 Wiring 0-10V Dimming

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Circuit-Lock® Unfused Disconnect Switches

Fused Disconnects, MotorQuick® and VFDs

Hazardous Locations

Products at a Glance

UL508/UL60947 Circuit-Lock® Motor Disconnects

Labelless Circuit-Lock® Disconnect Switches

• Non-metallic and stainless steel options
• Available in 30, 60 and 100 Amp versions
• IP69k and Type 4X, 12K water ingress protection
• Permanent labelless markings
• Available with six highly visible LED Indicators
• Certified by NSF for hygiene in Food Processing applications
• Highly visible red handle which meets OSHA LO/TO capabilities
• Accepts up to 2 auxiliary contacts
• Cover cannot be removed with switch in the "ON" position

Enhanced Features:

• **inSIGHT** - LED indicators provide visual confirmation of power by phase
• **MotorQuick®** - Plug and play functionality to reduce Total Cost of Ownership
• **VFDs** - Factory installed auxiliary contact for safe disconnecting in VFD applications
• **JOG** - Factory installed Jog switch for point of use communication to PLC/VFD
• **Stainless Steel Sloped Top** - 15° rounded top aids run-off by minimizing horizontal surfaces

UL98 Circuit-Lock® Motor Disconnects

200A Circuit-Lock® Disconnect Switches

• Non-metallic & stainless steel
• Type 4X, 12
• Accepts up to 2 auxiliary contacts
• OSHA Compliant Lockout/ Tagout handle
• Unable to open the cover when "ON"; cover locked when energized

Circuit-Lock® 30 and 60 Amp Fused Disconnect Switches

• Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
• Removable door for ease of wiring and installation
• Switch accepts Class "J" fuses and up to 2 auxiliary contacts

UL98 and UL508 Disconnect Switches

Hazardous Locations

• Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
• Top and bottom drilled and tapped conduit entrances
• For use as motor disconnects

UL508 Switches

Disconnect Switches

• Thermoset body provides high resistance to electrical arc tracking
• Withstands high temperatures
• Provides long-life reliability

NSF • IP69k • c(UL)us LISTED

New Innovations

Circuit-Lock® 30A Disconnects with LED Indicators

Hubbell's new 30A Circuit-Lock Disconnect with integral phase indication LEDs redefines the benchmark for safety by providing insight into the enclosure while in use. Six highly visible LEDs (3 line side/3 load side) communicate the electrical status of the switch by phase. This voltage detection feature significantly improves existing safety and maintenance procedures by visually providing personnel critical information prior to removing the enclosure cover; e.g. a welded contact or dropped phase.

Hubbell inSIGHT™ phase indicating disconnect switches are available in non-metallic and stainless steel versions. Replacement covers are available for upgrades to existing installations. With an ever growing focus on safety improvements Hubbell inSIGHT™ disconnects provide a difference you literally can see.

inSIGHT™

Insight (n): the power or act of seeing into a situation

Housing Design

- Six highly visible integral phase identification LEDs provide secondary means of visual confirmation of make/break on all phases
- Available in non-metallic, stainless steel and jog switch versions
- IP69k and Type 4X, 12K water ingress protection

Safety

- High visibility red handle can be locked in the OFF position to comply with OSHA Lockout/Tagout requirements
- Quickly upgrade the safety of existing installations with an inSIGHT™ replacement cover
- Verification of opening of load side contacts

Unfused Disconnect Switches with LEDs

Description	30 Amp	60 Amp	100 Amp
Non-Metallic disconnect switch with LEDs	HBLDS3P	HBLDS6P	HBLDS10P
Non-Metallic disconnect switch with HBLAC1 auxiliary contact	HBLDS3PAC	HBLDS6PAC	HBLDS10PAC
Stainless Steel square top disconnect switch with LEDs	HBLDS3SSP	HBLDS6SSP	HBLDS10SSP
Stainless Steel square top disconnect switch with HBLAC1 auxiliary contact	–	HBLDS6SSPAC	HBLDS10SSPAC
Stainless Steel sloped top disconnect switch with LEDs	HBLDS3SSRP	HBLDS6SSRP	HBLDS10SSRP
Stainless Steel sloped top disconnect switch with HBLAC1 auxiliary contact	–	HBLDS6SSRPAC	HBLDS10SSRPAC

Note: *Certified by NSF, International.
For use with 3Ø Y configurations only.

HBLDS3P

HBLDS3SSRP

Auxiliary Contacts

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1**
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	HBLAC2**

Features and Benefits

Non-Metallic Labelless Circuit-Lock®
Switched Disconnect Enclosures

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

- Constructed from corrosion and impact resistant UV stabilized non-metallic material
- IP69k and Type 4X,12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Cover cannot be removed with switch in the "ON" position
- Accepts up to 2 Auxiliary contacts
- Reversible interior accomodates top or bottom conduit opening

Enhanced Features:
- Adjustable mounting feet are now 40% stronger to help prevent nuisance breakage
- Product ratings are permanently laser-marked to the HBLDS3 devices and will not wash off
- Truly captive screws prevent lost screws
- Now shipped from factory as bottom feed for quicker installation in 4X applications

LED Indicators
- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases

Variable Frequency Drive (VFD)
- Integrates a verified break before break auxiliary contact factory installed in our HBLDS series
- Prevents downtime from out of sequence equipment shutdowns

Jog Switch
- Cost savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout

MotorQuick® Version
- Significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system
- Motor rotation can be pre-checked in a maintenance shop to further speed the installation

Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	**HBLDS3**	**HBLDS6**	**HBLDS10**
Disconnect switch with HBLAC1 auxiliary contact.	**HBLDS3AC**	**HBLDS6AC**	**HBLDS10AC**
Disconnect switch for use with variable frequency drives.	**HBLDS3VFD**	**HBLDS6VFD**	**HBLDS10VFD**
Disconnect switch without conduit knockout or conduit fitting.	**HBLDS3NK**	–	–
Disconnect switch with HBLAC1 auxiliary contact without conduit knockout or conduit fitting.	**HBLDS3ACNK**	–	–
Disconnect switch with 3 auxiliary contacts, without conduit knockouts. Break before main break – 1 set "normally open", 1 set "normally closed". Break after main break – 2 sets "normally open", 1 set "normally closed".	**HBLDS33ACNK**	–	–

Non-Metallic Labelless Disconnects with Jog Switch*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	**HBLDS3J**	**HBLDS6J**	**HBLDS10J**
Disconnect switch with HBLAC1 auxiliary contact.	**HBLDS3ACJ**	–	–
Disconnect switch for use with variable frequency drives.	**HBLDS3VFDJ**	–	–
Disconnect switch with Jog switch and LEDs.	**HBLDS3PJ**	**HBLDS6PJ**	**HBLDS10PJ**

Unfused Disconnect Switches with LEDs*

Description	30 Amp	60 Amp	100 Amp
Non-Metallic disconnect switch with LEDs	**HBLDS3P**	**HBLDS6P**	**HBLDS10P**
Non-Metallic disconnect switch with HBLAC1 auxiliary contact	**HBLDS3PAC**	**HBLDS6PAC**	**HBLDS10PAC**

*Note: *Certified by NSF, International.*
LED version for use with 3Ø Y configurations only.

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1****
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	**HBLAC2****

*Note: **Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.*
30A Units are supplied with one ¾ in. NPT Raintight conduit fitting.
60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.

Variable Frequency Drive Diagram

When installing a disconnect in series with a VFD it is critical to include the correct auxiliary contact. Through extensive testing, Hubbell has determined the timing of our early break auxiliary contact HBLAC2 safely disconnects the power by signaling the VFD that the motor disconnect is being turned OFF. The VFD then executes a coast-to-stop preventing any damage to the disconnect switch and the VFD output device.

HBLDS3

HBLDS3VFD

HBLDS3J

HBLDS3P

HBLAC1

HBLAC2

Features and Benefits

Stainless Steel Circuit-Lock® Unfused Switched Disconnect Enclosures*

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

- Formed in nonporous 304 stainless steel
- IP69k and Type 4X,12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Fixed offset 1/4 inch mounting feet meet NEC airspace requirements for metal enclosures
- Labelless markings on the cover
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Cover cannot be removed with switch in the "ON" position
- Accepts up to 2 Auxiliary contacts

More than ever food and beverage processing facilities see the value of investing in intelligent design and following best practices in hygiene.

The sloped top enclosure is consistent with these best practices. Horizontal surfaces have been minimized to assist with getting it clean and keeping it clean.

LED Indicators
- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases

Housing Design
- Sloped top design sheds water and debris
- Fully shrouded handle prevents damage to the handle
- Captive screws prevent lost screws

Jog Switch
- Cost Savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added Safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout

Labor Savings
- 15° Sloped Top version available pre-drilled with ¾ inch stainless steel hubs for bottom feed applications
- Ample gutter space for hassle free installation

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Stainless Steel Circuit-Lock® Unfused Switched Disconnect Enclosures*

Description	30 Amp	60 Amp	100 Amp
Square Top disconnect switch.	HBLDS3SS	HBLDS6SS	HBLDS10SS
Square Top disconnect switch with HBLAC1 auxiliary contact.	HBLDS3SSAC	HBLDS6SSAC	HBLDS10SSAC
Square Top disconnect switch for use with variable frequency drives.	HBLDS3SSVFD	HBLDS6SSVFD	HBLDS10SSVFD
Sloped Top disconnect switch.	HBLDS3SSR	HBLDS6SSR	HBLDS10SSR
Sloped Top disconnect switch with HBLAC1 auxiliary contact.	HBLDS3SSRAC	HBLDS6SSRAC	HBLDS10SSRAC
Sloped Top disconnect switch for use with variable frequency drives.	HBLDS3SSRVFD	HBLDS6SSRVFD	HBLDS10SSRVFD
Sloped Top disconnect, Pre-drilled 4X with (2) ¾ inch stainless steel hubs.	HBLDS3SSR2K	—	—
Sloped Top enclosure, Blank.	HBLDSSRNK3	HBLDSSRNK6	—

HBLDS3SS

Stainless Steel Disconnects with Jog Switch

Description	30 Amp	60 Amp	100 Amp
Square Top disconnect	HBLDS3SSJ	HBLDS6SSJ	HBLDS10SSJ
Square Top disconnect with Jog switch and LEDs	—	HBLDS6SSPJ	HBLDS10SSPJ
Sloped Top disconnect	HBLDS3SSRJ	HBLDS6SSRJ	HBLDS10SSRJ
Sloped Top disconnect with Jog switch and LEDs	HBLDS3SSRPJ	HBLDS6SSRPJ	HBLDS10SSRPJ

HBLDS3SSJ

Unfused Disconnect Switches with LEDs

Description	30 Amp	60 Amp	100 Amp
Stainless Steel square top disconnect switch with LEDs	HBLDS3SSP	HBLDS6SSP	HBLDS10SSP
Stainless Steel square top disconnect switch with HBLAC1 auxiliary contact	—	HBLDS6SSPAC	—
Stainless Steel sloped top disconnect switch with LEDs	HBLDS3SSRP	HBLDS6SSRP	HBLDS10SSRP
Stainless Steel sloped top disconnect switch with HBLAC1 auxiliary contact	—	HBLDS6SSRPAC	HBLDS10SSRPAC

*Note: *Certified by NSF, International.*
For use with 3Ø Y configurations only.

HBLDS3SSR

Stainless Steel Conduit Hubs

Description	Catalog Number
¾ inch stainless steel conduit hub.	HUB75SS
1¼ inch stainless steel conduit hub.	HUB125SS

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1**
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	HBLAC2**

*Note: *Certified by NSF, International.*
**Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.
30A Units are supplied with one ¾ in. NPT Raintight conduit fitting.
60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.

HBLDS3SSRPJ

HUB125SS

HUB75SS

HBLAC1

HBLAC2

HBLDSSRNK3

IP66
SUITABILITY

HBLDS3RCP

Non-Metallic Replacement Covers

Description		30 Amp	60 Amp	100 Amp
For disconnect switches.	Standard	**HBLDS3RC**	**HBLDS6RC**	**HBLDS10RC**
	with LEDs.	**HBLDS3RCP**	**HBLDS6RCP**	**HBLDS10RCP**
	with Jog switch.	**HBLDS3RCJ**	**HBLDS6RCJ**	**HBLDS10RCJ**
	with LEDs and Jog.	**HBLDS3RCPJ**	**HBLDS6RCPJ**	**HBLDS10RCPJ**

HBLDS3RCJ

Stainless Steel Replacement Covers

Description		30 Amp	60 Amp	100 Amp
For square top disconnect switches.	Standard	**HBLDS3SSRC**	**HBLDS6SSRC**	**HBLDS10SSRC**
	with LEDs.	**HBLDS3SSRCP**	**HBLDS6SSRCP**	**HBLDS10SSRCP**
	with Jog switch.	**HBLDS3SSRCJ**	**HBLDS6SSRCJ**	**HBLDS10SSRCJ**
	with LEDs and Jog.	—	**HBLDS6SSRCPJ**	**HBLDS10SSRCPJ**
For sloped top disconnect switches.	Standard	**HBLDS3SSRRC**	**HBLDS6SSRRC**	**HBLDS10SSRRC**
	with LEDs.	**HBLDS3SSRRCP**	**HBLDS6SSRRCP**	**HBLDS10SSRRCP**
	with Jog switch.	**HBLDS3SSRRCJ**	**HBLDS6SSRRCJ**	**HBLDS10SSRRCJ**
	with LEDs and Jog.	—	**HBLDS6SSRRCPJ**	**HBLDS10SSRRCPJ**

HBLDS3SSRC

Replacement Ground Block

Description	Catalog Number
For 30A switches.	**HBL30RGB**
For 60A and 100A switches.	**HBL60100RGB**

Replacement Neutral Block

Description	Catalog Number
For 30A switches.	**HBL30RNB**
For 60A switches.	**HBL60RNB**
For 100A switches.	**HBL100RNB**

HBLDS3SSRRC

Replacement Switches

Description	Catalog Number
For 30A switches.	**HBLDS3RS**
For 60A and 100A switches.	**HBLDS60100RS**
For HBLDS33ACNK.	**HBLDS33ACRS**

Replacement Mounting Feet

Description	Catalog Number
For 30A non-metallic switches.	**HBLRFT1**[Δ]
For 60A and 100A non-metallic switches.	**HBLRFT2**[Δ]

Note: [Δ] Package of 10 feet and 10 screws.

HBL30RGB

HBL30RNB

HBLDS3RS

HBLRFT1

HBLDS3SSRRCP

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Dimensions

Key	Labelless Non-Metallic 30A inch (mm)	Labelless Non-Metallic 60A/100A inch (mm)	Stainless Steel, Square Top 30A inch (mm)	Stainless Steel, Square Top 60A/100A inch (mm)	Stainless Steel, Sloped Top 30A inch (mm)	Stainless Steel, Sloped Top 60A/100A inch (mm)
A	6.00 (152)	7.75 (197)	—	—	—	—
B	5.12 (130)	6.87 (175)	4.87 (124)	7.30 (185)	5.41 (137)	7.66 (195)
C	4.12 (105)	4.75 (121)	3.30 (84)	5.50 (140)	4.50 (114)	6.45 (164)
D	6.62 (168)	8.00 (203)	—	—	—	—
E	7.62 (194)	9.95 (253)	7.05 (179)	10.30 (262)	8.60 (218)	11.41 (290)
F	8.50 (216)	11.00 (279)	8.38 (213)	11.63 (296)	8.22 (209)	11.17 (284)
G	4.12 (105)	5.94 (151)	5.39 (137)	5.93 (151)	4.92 (125)	6.10 (155)

Horsepower Ratings

Voltage	30A	30A*	60A	100A
1Ø 120V AC	1	1	7.5	7.5
1Ø 200–240V AC	3	2.5	15	15
1Ø 480V AC	5	5	30	30
3Ø 200–240V AC	7.5	5	30	30
3Ø 480V AC	15	10	50	50
3Ø 600V AC	15	10	50	50

Note: *HBLDS33ACNK.

Non-Metallic

Stainless Steel, Square Top

Stainless Steel, Sloped Top

Circuit-Lock® Unfused Disconnect Switches

Specifications

Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant); Indoor – 30, 60A and 100A Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Current Ratings (SCCR): (Motor Disconnect)	• 30/60/100A: Suitable for use on a circuit capable of delivering not more than 10kA RMS symmetrical, 600V AC max.
	• 30A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 30A max.
	• 60/100A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 100A max.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	Non-Metallic - External fully adjustable feet. Stainless Steel - Feet are fixed.
Impact Resistance	In accordance with UL 746C.

Materials

Part	Non-Metallic	Stainless Steel
Base	PBT	#14 Gauge Type 304 Stainless Steel
Top	PBT	#14 Gauge Type 304 Stainless Steel
Handle	PBT	PBT
Conduit Hub	Zinc 30A Unfused - ¾ in. Zinc 60/100A Unfused - 1¼ in.	Zinc 30A - ¾ in. Zinc 60/100A - 1¼ in.
Enclosure Gasket	Neoprene	Neoprene
Shaft (Unfused)	PBT	PBT
Shaft Seal	Molded Neoprene	Molded Neoprene
Frame	Galvanized Steel	N/A
Enclosure Screws	Stainless Steel 300 Series	Stainless Steel

Dimensions in Inches (mm)

Plug and Play Technology

MotorQuick® significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system with the versatility of Circuit-Lock® motor disconnect switches. Quick disconnect terminations will reduce motor change-out time by aproximately 65%. Keeping spare motors already pre-wired with a LINKOSITY® inlet enables wiring to be done off-line when it is convenient, not critical. Motor rotation can be pre-checked in a maintenance shop to further speed the installation. The net result is that equipment is up and running in a fraction of the time, helping improve the bottom line.

MotorQuick® Cost of Ownership Analysis

Traditional Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost	
HBL1389D	$106.00	$53.00	1 hour	$53.00	$750.00	$750.00	$909.00	
HBLDS3	$185.00	$53.00	1 hour	$53.00	$750.00	$750.00	$988.00	

MotorQuick® Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost	Total Savings
HBL1389MQ*	$299.00	$53.00	20 minutes	$17.67	$750.00	$250.00	$566.67	**$342.33**
HBLDS3MQ*	$411.00	$53.00	20 minutes	$17.67	$750.00	$250.00	$678.67	**$309.33**

*Note: *MotorQuick catalog numbers are based on the average cost of the various designs.*

MotorQuick®

IP67
SUITABILITY

Housing Design

- Thermoplastic Cover on Plated Steel Base
- NEMA 1 Enclosure
- Pre-wired with LINKOSITY® Components
- Crush and Impact Resistance of MC Cable

HBL1389MQ5

Housing Design

- High Impact PBT Enclosure
- Type 4X Enclosure
- Permanent Labelless Marking
- Lockable Handle to Meet OSHA Lockout/Tagout Regulations
- Cable Ratings: TC-ER, MTW, STOOW

HBLDS3MQ5

MotorQuick® Disconnect Switches

Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC	Catalog Number
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR**
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBL1389MQ5**
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR2**

Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC	Catalog Number
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR**
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3MQ5**
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR2**

Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	Sloped Top	Square Top
HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR**	**HBLDS3SSMQR**
HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3SSRMQ5**	**HBLDS3SSMQ5**
HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR2**	**HBLDS3SSMQR2**

HBL1389MQR2

HBLDS3MQR

HBLDS3SSRMQR

HBLDS3SSMQR

Accessories

Description	Catalog Number
3P 4W LINKOSITY® male receptacle for installation on motor.	**RM3004PA001**
3P 4W LINKOSITY® female receptacle for installation in switch.	**RF3004PA001**
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable.	**PH3004PAxxx***
3P 4W LINKOSITY® single ended (female) 5-50 foot cable.	**PF3004PAxxx***
Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter.	**SHC1037CR**
Lock-on cover for LINKOSITY® connections.	**PH2030C**

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)*

Sample Set Up

(1) **HBLDS3MQR** + (1) **PH3004PAxxx** + (1) **RM3004PA001** = **Total Set Up****

*Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

PH2030C

Dimensions **Type 1** **Type 4X**

HP Rating (Type 1)

120V AC	3
240V AC	7.5
480V AC	15
600V AC	20

HP Rating (Type 4X)

120V AC	1
240V AC	7.5
480V AC	15
600V AC	15

Specifications

	Type 1	Type 4X
Electrical Performance		
Dielectric Voltage	2,200V AC minimum for 1 minute.	2,200V AC minimum for 1 minute.
Electrical Life	6,000 cycles with load.	6,000 cycles with load.
Max. Working Voltage	600V AC RMS.	600V AC RMS.
Short Circuit Current Ratings (SCCR) (Motor Disconnect)	10,000 RMS symmetrical amps when tested with 60A max J fuses.	• 30: Suitable for use on a circuit capable of delivering not more than 10kA RMS symmetrical, 600V AC max.
Short Circuit Current Ratings (SCCR) (Motor Controller)	10,000 RMS symmetrical amps when tested with 125A RK5 fuses.	• 30A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 30A max.

			Type 1			Type 4X	
Mechanical							
Mechanical Life			10,000 minimum cycles.			10,000 minimum cycles.	
	Amps	AWG Min.	AWG Max.		Amps	AWG Min.	AWG Max.
Terminal Accommodations	30	#14	#10		30	#14	#10
Terminal Torque	30	20 inch pounds			30	20 inch pounds	
Impact Resistance	—	—	—		UL746C		

	Type 1	Type 4X
Environmental		
Flammability	UL94HB/V-0.	UL94-5VA and V0 Classification.
Operating Temp.	Max. continuous 60°C	Max. continuous 75°C
	Min. continuous w/o impact -40°C	Min. continuous -40°C
Listings		
UL 508	Industrial Control Equipment File #E36355	Industrial Control Equipment File #E36355

LINKOSITY® Connection

Certifications	
Connecting Components	Listed to UL 2238 and UL 50E.
Electrical Performance	
Voltage	Up to 600V AC.
Amperage	Up to 30A.
Environmental	
Connectivity System Components	
Moisture Resistance	UL Type 4, 4X, 12 and 13.
Ingress Protection	IP67 Suitability.
Flammability	UL94HB cables / UL94V-0 receptacles.

Materials	
Connectivity System Components	
Contact Carrier	Nylon 6/6, white.
Contact Materials	Pins - brass.
	Sockets - leaded nickel copper w/ stainless steel sleeve.
Contact Plating	Hard gold over palladium/nickel.
Overmold Material	Glass filled polyurethane, gray.
Coupling Hardware	Nickel plated brass.
Cable (16 AWG and Up)	UL 600V Type TC-ER, MTW 90°C or STOOW 600V 105°C.

Dimensions in Inches (mm)

Features and Benefits

Circuit-Lock® 200A Disconnect Switches

Hubbell's 200A Disconnect Switches are the latest addition to the Circuit-Lock® family of switched enclosures. The enclosures are designed to withstand harsh environments with exposure to water, chemicals, oils and frequent washdowns. Available in non-metallic or stainless steel, the enclosures are UL Listed Type 4X and 12.

- UL 98 Rated Switch
- Non-Metallic and Stainless Steel
- Type 4X, 12
- Accepts up to 2 Auxiliary Contacts
- Highly Visible Red Rotary Handle
- OSHA Compliant Lockout/Tagout Handle
- Unable to Open the Cover when ON; Cover Locked when Energized
- 200kA SCCR Rating when Protected by a Class "J" Fuse

Designed to Withstand Harsh Environments

HBLDS20

HBLDS20SS

Circuit-Lock® 200A Disconnect Switches

Description	Catalog Number
200A non-metallic disconnect.	**HBLDS20**
200A stainless steel disconnect.	**HBLDS20SS**
N/O auxiliary contact - "Break Before Main".	**HBLAC200**
200A replacement switch.	**HBLDS20RS**
200A replacement handle.	**HBL200HDL**

Materials - 200A Disconnect Switches

Description	Non-Metallic Material	Non-Metallic Finish	Stainless Steel Material	Stainless Steel Finish
Enclosure	FR Polyester	—	14 Ga. 304 SST	Smooth Grain
Handle	Plastic	Red/Yellow	Plastic	Red/Yellow
Switch	Plastic	—	Plastic	—
Backplate	12 Ga. Aluminum	None	14 Ga. 304 SST	304 Ann 2B
Terminals	Aluminum	Tin Plated	Aluminum	Tin Plated
Fasteners	Steel	Zinc Plated	Steel	Zinc Plated
Mounting Feet	—	—	304 SST	—

HP Ratings

Voltage	Std HP	Max HP*
120 VAC 1Ø	1.5	10
208-240 VAC 1Ø	3.0	10
240 VAC 3Ø	7.5	75
480 VAC 3Ø	15.0	150
600 VAC 3Ø	15.0	200
120/ 208 VAC 3ØY	7.5	15
277/480 VAC 3ØY	15.0	30
347/ 600 VAC 3ØY	15.0	40

*Note: *When used with time delay fuses.*

Dimensions

Non-Metallic

Stainless Steel

Dimensions in Inches (mm)

Features and Benefits

Circuit-Lock® 30 and 60 Ampere Fused Disconnect Switches

The Circuit-Lock Fused Disconnect Switch provides fused switched control of a directly wired load. The switch cannot be turned ON unless the enclosure cover is closed. The fuses cannot be accessed until the switch is turned OFF. The fuse holder accepts Class "J" fuses. This enclosure is non-metallic and is listed for Outdoor/Indoor (Type 4X Wash down, Corrosion resistant). The handle can be locked in the OFF position to comply with OSHA Lockout/Tagout regulations.

Housing Design
- Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
- Enclosure is molded of rugged PBT to resist abuse, corrosion and enhance safety
- Stainless steel ¼ in. turn door fasteners for quick, easy access to fuses.

Internal Design
- Fused disconnect switches accept Class "J" fuses
- Internal frame automatically bonds all grounds
- Captured neoprene gasket provides a watertight seal between cover and base

Safety
- Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened
- Lockable highly visible red handle to meet OSHA lockout/tagout
- Safety interlocked fuse access door

Interior
- Removable door for ease of wiring and installation
- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT

Installation
- Conduit hub and adjustable mounting feet are supplied with each Circuit-Lock® fused disconnect switch.
- Adjustable mounting feet (4) can be mounted in any of three positions for ease of installation

Switch
- Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

IP66 SUITABILITY

UL Listed, CSA Certified TYPE 4, 4X and 12 Enclosure Rating

30 and 60 Amp Fused Disconnect Switches

Description	Catalog Number
30A Circuit-Lock fused disconnect switch.	**FDS30***
60A Circuit-Lock fused disconnect switch.	**FDS60***

*Note: *Class "J" fuses not included.*

FDS30

Auxiliary Contacts

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	**ACFSNO**	**HBLACFSNO**
Auxiliary contact, normally closed, A600 pilot duty, break before break.	**ACFSNC**	**HBLACFSNC**

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble.

Gray Style Switch

Replacement Switches

Description	Gray Style Switch Catalog Number
For 30A fused switches.	**HBL30MIFRS**
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	**HBL60MIFRS**

HBLACFSNO **HBL30MIFRS**

Black Style Switch

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK60**

ACFSNO

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	**HBLRFT2**△

Note: 30A Units supplied with two 1 in. NPT raintight conduit fittings.
60A Units supplied with two 1¼ in. NPT raintight conduit fittings.
△ Package of 10 feet and 10 screws.

HBLRFT2 **MICPK30**

Dimensions

7.27" (184.7)
15.03" (381.8)
8.43" (214.1)
3.60" (91.4)
10.18" (258.6)
9.31" (236.5)
7.19" (182.6)
12.37" (314.2)
14.48" (367.8)
15.36" (390.1)
11.46" (291.6)

Dimensions in Inches (mm)

Switched Disconnects and Enclosures

Horsepower Ratings

Ratings	Volts	Standard HP	Maximum HP*	Catalog Number
30A	120V AC	0.5	2	**FDS30**
600V AC	208-240V AC	1.5	3	
Max.	3Ø 240V AC	3	7.5	
	3Ø 480V AC	5	15	
	3Ø 600V AC	7.5	20	
	3Ø Y 120/208V AC	3	5	
	3Ø Y 277/480V AC	5	15	
	3Ø Y 347/600V AC	7.5	20	
60A	120V AC	1.5	3	**FDS60**
600V AC	208-240V AC	3	7.5	
Max.	3Ø 240V AC	7.5	15	
	3Ø 480V AC	15	30	
	3Ø 600V AC	15	50	
	3Ø Y 120/208V AC	7.5	15	
	3Ø Y 277/480V AC	15	30	
	3Ø Y 347/600V AC	15	40	

*Note: *Requires time delay fuses.*

Fuse and Short Circuit Information

Horsepower Ratings	The starting current of motors of more than the standard horsepower rating may require the use of fuses with appropriate time-delay characteristics.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class "J" fuses.

Note: Replacement fused switch must be the same type Hubbell switch as original and have equal or greater short circuit current withstand rating.

Circuit-Lock® Fused Disconnect Switch

Specifications

Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant); Indoor – Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	External fully adjustable feet.
Fuse Types	UL Listed, Class "J"; CSA Certified, HRCI-J.

Materials

Part	Material
Base	PBT
Door	PBT
Handle	PBT
Conduit Hub	Zinc, 30A Fused – 1 in., 60A Fused – 1¼ in.
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Frame	Galvanized Steel
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series

Ratings Quick Reference Guide

Circuit-Lock® Switched Enclosures

Amp	Description	Phase	Poles	120	240	480	600	Catalog Number
				\multicolumn HP				

Amp	Description	Phase	Poles	HP 120	HP 240	HP 480	HP 600	Catalog Number
30	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389MQR**
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389MQ5**
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389MQR2**
	NEMA 1 Aluminum	1	2	2	5	10	15	**HBL1372D**
	NEMA 1 Aluminum	3	3	3	7.5	15	20	**HBL1379D**
	NEMA 1 Non-Metallic	1	2	2	5	10	15	**HBL1392D**
	NEMA 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389D**
	NEMA 3/3R Non-Metallic	1	2	2	5	10	15	**HBL13R22D**
	NEMA 3/3R Non-Metallic	3	3	3	7.5	15	20	**HBL13R23D**
	NEMA 3R Die Cast Aluminum	1	2	2	5	10	15	**HBL13R12D**
	NEMA 3R Die Cast Aluminum	3	3	3	7.5	15	20	**HBL13R13D**
	NEMA 3R Aluminum	1	2	2	5	10	15	**HBL13R92D**
	NEMA 3R Aluminum	3	3	3	7.5	15	20	**HBL13R89D**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3AC**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3NK**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3ACNK**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	5	10	10	**HBLDS33ACNK**
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3MQR**
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3MQ5**
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3MQR2**
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SS**
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSAC**
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSVFD**
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSMQR**
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSMQ5**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSR**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSR2K**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRVFD**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRAC**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRMQR**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRMQ5**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRMQR2**
	TYPE 4X Non-Metallic Fused Disconnect	3	3	1	7.5	15	20	**FDS30**
	NEMA 4X Stainless Steel	3	3	3	7.5	15	20	**HBL13S33D**
	NEMA 4X Non-Metallic	3	3	3	7.5	15	20	**HBL13X33D**
60	NEMA 3R Aluminum	1	2	—	10	15	20	**HBL16R92D**
	NEMA 3R Aluminum	3	3	—	10	25	30	**HBL16R93D**
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS6**
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS6AC**
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS6SS**
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS6SSAC**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS6SSR**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS6SSRVFD**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS6SSRAC**
	TYPE 4X Non-Metallic Fused Disconnect	3	3	3	15	30	40	**FDS60**
	NEMA 4X Stainless Steel	3	3	—	10	25	30	**HBL16S63D**
	NEMA 4X Non-Metallic	3	3	—	10	25	30	**HBL16X63D**
100	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS10**
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS10AC**
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS10SS**
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS10SSAC**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS10SSR**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS10SSRVFD**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS10SSRAC**
200	Type 4X, 12 Non-Metallic			10	75	150	200	**HBLDS20**
	Type 4X, 12 Stainless Steel			10	75	150	200	**HBLDS20SS**

Note: HP ratings apply to Jog and LED versions.

HBL1379D

HBL13R89D

HBL13S33D

HBL16R93D

HBLDS3

FDS30

HBLDS3P

HBLDS3J

HBLDS3MQR

HBLDS3MQ5

HBLDS3SS

HBLDS3SSR

HBLDS20

HBLDS20SS

Features and Benefits

Hazardous Location
Non-Fused Disconnect Switches

Hubbell's hazardous location line of non-fused disconnect switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs. These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The highly visible handles can be locked out to comply with OSHA Lockout/Tagout regulations.

Class I, Div. 1 & 2, Groups B,C,D

Class I, Zones 1 & 2, Groups IIB+ H2, IIA

Class II, Div. 1 & 2, Groups E,F,G

Class III, NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)

Applications

• Grain manufacturing and storage
• Industrial chemical and gas manufacturing
• Petroleum refining
• Fertilizer manufacturing
• Vehicle repair/paint shops
• Coal mining
• Cotton and fabric mills

Housing Design
• Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
• Compact NEMA 4X enclosure and footprint allows easy installation in tight locations
• Top and bottom drilled and tapped conduit entrances

Internal Design
• Gasketed flange with O-ring located inside bolt circle to seal out moisture
• Bodies have top and bottom drilled and tapped conduit entrances for power connection

Safety
• Lockable handle to meet OSHA Lockout/Tagout regulations
• For use as motor disconnects

Safety
• Lockable handle to meet OSHA Lockout/Tagout regulations
• Large visible rotary handle with "ON-OFF" indicator allows a quick means of disconnecting power
• For use as motor disconnects

Installation
• Fewer cover bolts reduces installation and maintenance time
• Removable ductile mounting lugs adjust to irregular mounting surfaces
• 316 Stainless steel bolts

Switch
• Disconnects contain UL98 certified switch
• MI include UL508/UL60947 disconnect switch
• Optional to add one (1) N/O "Break Before Main Break" auxiliary contact

Standard Materials/Finish

- Enclosures: Copper-free aluminum (less than 4/10 of 1% copper content)
- Cover Bolts: 316 Stainless Steel
- Finish: Grey Powder Polyester painted exterior, electrostatically applied
- Ratings: 600V AC, 230V DC 30–100 Amp
- Optional to include up to one (1) N/O "Break Before Main Break" auxiliary contact

HBLB7NFD13A

Unfused Hazardous Location Disconnect Switches

Description	30 Amp	60 Amp	100 Amp
3 Pole disconnect switch.	**HBLB7NFD13A**	**HBLB7NFD26A**	**HBLB7NFD21A**
3 Pole disconnect switch with auxiliary contact.	**HBLB7NFD13AA**	**HBLB7NFD26AA**	**HBLB7NFD21AA**
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.			**HBLB7AC2**

Note: 30A bodies have 1 inch top and bottom drilled and tapped conduit entrances.
60A and 100A bodies have 1-½ inch top and bottom drilled and tapped conduit entrances.

HBLB7NFD26A

Disconnect Horsepower Ratings

Switch Amps/Phase	Single Phase HP			Three Phase HP			DC HP	Terminal Wire Size	Conduit Sizes	Catalog Number
	120V AC	230V AC	208V AC	230V AC	480V AC	600V AC	230V DC			
30A / 3P	2	5	10	10	20	30	1	#14-10	1 NPT	**HBLB7NFD13A**
60A / 3P	3	7.5	20	20	40	40	10	#14-4	1½ NPT	**HBLB7NFD26A**
100A / 3P	5	15	25	30	50	50	20	#8-1	1½ NPT	**HBLB7NFD21A**

Dimensions

	Outside Box				Inside Box			Mounting Dimensions			
	A	B	C	D	E	F	G	H	I	J	K
30 Amp	5¾	8¹/₁₆	6⁵/₁₆	3⅝	5¹³/₁₆	5¹/₁₆	3⅛	8⅛	–	–	1¼
60 & 100 Amp	8⅛	13¹/₁₆	7¹³/₁₆	4¼	9³/₁₆	6⁵/₁₆	2½	11⅜	6⅜	7½	1¹³/₁₆

Standard Lug Position for HBLB7NFD2 A-Series

Fixed Lug Position for HBLB7NFD13A
Optional Position for HBLB7NFD2 A-Series

Non-Fused UL1686 Hazardous Location Mechanical Interlocks and Plugs

Amp	Circuit	Mechanical Interlock	Metallic Plug	Insulgrip Plug
30 Amp 600V AC	2W 3P	**HBLVSQ3023**	**HBLVP3385**	**HBL330PS2W**
	3W 4P	**HBLVSQ3034**	**HBLVP3485**	**HBL430PS2W**
60 AMP 600V AC	2W 3P	**HBLVSQ6023**	**HBLVP6385**	**HBL360PS2W**
	3W 4P	**HBLVSQ6034**	**HBLVP6485**	**HBL460PS2W**

Note: Early break contact comes standard with mechanical interlocks.
HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x ¾ inch reducers and one ¾ inch close-up plug for maximum flexibility. 60 amp models come with one 1½ inch opening on top and bottom and one 1½ inch close-up plug.
See page G-44 for Dimensions on Mechanical Interlocks and Plugs.

HBLVSQ3034

Horsepower Ratings (VAC)*

Amp	Circuit	120	240	480	600	Catalog Number
30 Amp	1Ø	2	5	10	15	**HBLVSQ3023**
	3Ø	3	7.5	15	20	**HBLVSQ3034**
60 Amp	1Ø	–	10	15	20	**HBLVSQ6023**
	3Ø	–	10	25	30	**HBLVSQ6034**

*Note: *Internal switch only.*

HBLVP3485

HBL430PS2W

Dimensions in Inches (mm)

Features and Benefits

AC Manual Toggle Controllers/Disconnects

The most complete offering of Circuit-Lock® controllers rated "Suitable as Motor Disconnect" with top horsepower and high amperage ratings in such a compact device.

30A, 40A and 50A

60A and 85A

Housing Design
- Thermoset body provides high resistance to electrical arc tracking
- Withstands high temperatures
- Excellent dimensional stability
- Superior dielectric strength

Internal Design
- Strong ON/OFF action with quick-make, slow break operation
- Provides long-life reliability
- 10,000 Amp high fault short circuit withstand rating

Safety
- Optional Side Finger Guards for close wall applications and finger safe environments
- For 30A, 40A and 50A controllers
- Recessed wiring wells makes it finger safe environment

Contacts
- Four large silver alloy contacts per pole has excellent conductivity with maximum longevity
- 100% Copper contact arm has high heat management and reliability

Installation
- #10 Brass terminal screw with clamping plate for secure back or side wiring (30A only)
- Front and back wiring steel screws and copper terminals

Switch
- Lubrication-free controller with continued ON/OFF cycling even in harsh, dust and high heat environments

600V AC Manual Toggle Controllers/Disconnects

For use in almost any industrial environment. Ideal component switch for motor control and as a disconnect. Toggle controllers can be built into equipment and enclosures for either box or panel-mount installation.

Amp	Poles	ToggleType	Wire	HP Rating 120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Standard	Back/Side	2	5	10	15	**HBL7832D**
	2	Short	Back/Side	2	5	10	15	**HBL7832DS**
	2	Standard	Back/Side	2	5	10	15	**HBL7832DX**
	3	Standard	Back/Side	3	7.5	15	20	**HBL7810D**
	3	Short	Back/Side	3	7.5	15	20	**HBL7810DS**
40	2	Standard	Side	2	5	10	15	**HBL7842D**
	3	Standard	Side	3	7.5	15	20	**HBL7843D**
50	2	Standard	Side	2	5	10	15	**HBL7852D**
	3	Standard	Side	3	7.5	15	25	**HBL7853D**
60	2	Standard	Back	—	10	15	20	**HBL7862D**
	3	Standard	Back	—	10	25	30	**HBL7863D**
	2	Standard	Front	—	10	15	20	**HBL7862FWD**
	3	Standard	Front	—	10	25	30	**HBL7863FWD**
85	2	Standard	Back	—	10	15	20	**HBL7882D**
	3	Standard	Back	—	10	25	40	**HBL7883D**
Optional Side Guard, for close wall applications and finger safe environments.								**HBLFG30***

*Note: *For 30A, 40A and 50A controllers.*

HBL7810D

HBL7853D

HBL7863D

HBLFG30

Specifications

Electrical Performance

Dielectric Voltage	Min. 2,200V AC minimum for 1 minute
Electrical Life	Min. 6,000 Cycles at rated switch load
Max. Working Voltage	600V AC RMS
	Switches 10,000 RMS
Short Circuit	30A & 40A 60A max. when protected by J fuses
Withstand Rating	50A 50A max. when protected by J fuses
as Motor Disconnect	60A & 85A 80A max. when protected by J fuses
Short Circuit Withstand Rating as Motor Controller	All Switches 125A max. RK5 fuses

Mechanical

Mechanical Life	Min. 10,000 minimum cycles
	Switch Rating AWG Max.
Terminal	30A #10
Accommodations	40A & 50A #8**
	60A & 85A #4
Wire Type	Solid and stranded copper wire only.
Terminal Torque	30A – 50A 20 inch pounds
Switch Rating	60A – 85A 25 inch pounds

Environmental

Flammability	UL94HB/VO
Operating Temp.	Max. 75°C
	Min. -40°C continuous without impact

Listings

UL 508	Industrial Control File #E70402
CSA-C22.2 No.14	LR-46186

*Note: **Use listed certified ring terminal.*

Dimensions

30, 40 and 50 Amp Standard Toggles

Front

Side

60 and 85 Amp Standard Toggles

Front

Side

Dimensions in Inches (mm)

Switched Disconnects and Enclosures

NEMA 1 Disconnect Switches

Housing Design

- Thermoplastic cover on a plated steel base
- Durable, non-conductive cover
- Wiring conduit knockouts
- ½" and ¾" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout

Housing Design

- All aluminum cover and base
- Base is pre-drilled for rear surface mounting
- Wiring conduit knockouts
- ½" and ¾" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout

HBL1389D   **HBL1379D**

Circuit-Lock® NEMA 1 Enclosures with Switch

Ideal for use in industrial environments, i.e. conveyer systems, industrial fans, etc.

Amp	Poles	Enclosure Material	HP Rating 120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Thermoplastic	2	5	10	15	**HBL1392D**
30	3	Thermoplastic	3	7.5	15	20	**HBL1389D**
30	2	Aluminum	2	5	10	15	**HBL1372D**
30	3	Aluminum	3	7.5	15	20	**HBL1379D**

Note: See page F-21 for technical information.

Circuit-Lock® NEMA 1 Enclosures without Switch

For use with switches shown on page F-21.

Description	Cover Material	Base Material	No. Equipment Grounds	Catalog Number
For use with 30A switch.	Thermoplastic	Steel	1	**HBL1390**
For use with 30A switch.	Aluminum	Aluminum	2	**HBL1370**

HBL1390   **HBL1370**

Dimensions

HBL1370, HBL1372D and HBL1379D

3.15" (80.0)
2.41" (61.3)
1/2" x 3/4" Knockout Each End
0.92" (23.2)
Bottom

3.20" (81.2)
2.75" (69.8)
2.44" (61.9)
4.72" (120.0)
2 - 1/2" Knockouts
2 - 0.265" (6.7) Mounting Holes
1.50" (38.1)
Back

HBL1390, HBL1389D and HBL1392D

3.43" (87.1)
2.65" (67.3)
1/2" x 3/4" Knockout Each End
0.88" (22.42)
Bottom

3.97" (100.8)
2.76" (70.1)
2.38" (60.5)
4.52" (114.8)
2 - 1/2" x 3/4" Knockouts
2 - 0.265" (6.7) Mounting Holes
2.00" (50.8)
Back

Dimensions in Inches (mm)

Circuit-Lock® NEMA 3 and 3R Enclosures with Switch

Ideal for use on outdoor equipment.

Amp	Poles	Enclosure Material	Water Ingress	HP Rating 120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Thermoplastic	3	2	5	10	15	**HBL13R22D**
30	3	Thermoplastic	3	3	7.5	15	20	**HBL13R23D**
30	2	Aluminum	3/3R	2	5	10	15	**HBL13R12D†**
30	3	Aluminum	3/3R	3	7.5	15	20	**HBL13R13D†**

Note: See page F-21 for technical information.
*Drill weephole to alter from NEMA 3 to NEMA 3R.
†Equipped with HBLFG30 sidewall insulation barriers.

HBL13R23D **HBL13R13D**

Dimensions

HBL13R22D and HBL13R23D

Front Side

HBL13R12D and HBL13R13D

Back Front Side

Circuit-Lock® NEMA 3R Enclosures with Switch

Ideal for use in outdoor environments.

Amp	Poles	Enclosure Material	HP Rating 120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Aluminum	2	5	10	15	**HBL13R92D**
30	3	Aluminum	3	7.5	15	20	**HBL13R89D**
60	2	Aluminum	—	10	15	20	**HBL16R92D**
60	3	Aluminum	—	10	25	30	**HBL16R93D**

Note: For switch specifications refer to page F-21.

Circuit-Lock® NEMA 3R Enclosures without Switch

For use with switches shown on page F-21.

Description	Enclosure Material	Catalog Number
For use with 30A switch.	Aluminum	**HBL13R90**
For use with 60A switch.	Aluminum	**HBL16R90**

HBL13R89D **HBL16R93D**

Dimensions

HBL13R90, HBL13R89D and HBL13R92D

Front Bottom

HBL16R90, HBL16R92D and HBL16R93D

Front Bottom

Dimensions in Inches (mm)

HBL7810D

2.25"
(57.1)

(4)
#10-32
TAP

3.28"
(83.3)

2.38"
(60.5)

3.78"
(96.0)

(2) .20 Dia.
Mtg. Holes

HBL1389D

3.97"
(100.8)

4.52"
(114.8)

2.62"
(66.5)

HBL13R13D

2.25"
(57.2)

4.51"
(114.6)

3.94"
(100.1)

HBL1379D

3.20"
(81.3)

4.72"
(119.9)

2.41"
(61.2)

HBL13R23D

2.99"
(75.9)

4.76"
(120.9)

0.30" (7.6)
Padlock Hole

2.99" (75.9)
4.55" (115.6)

HBL13R89D

4.40"
(111.8)

5.52"
(140.2)

3.00"
(76.2)

HBL13S33D

6.96"
(176.8)

6.75"
(171.5)

4.00"
(101.6)

Dimensions in Inches (mm)

30A 600V AC Manual Motor Controllers, Double Pole

Description	Catalog Number
30A, double pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	**HBL7832D**
30A, double pole, single throw, AC manual motor controller, black nylon handle, short toggle.	**HBL7832DS**
30A, double pole, single throw, AC manual motor controller. 50 piece bulk pack.	**HBL7832DX**
HBL7832D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	**HBL1392D**
HBL7832D in HBL1370 metal Type 1 enclosure.	**HBL1372D**
HBL7832D in NEMA 3R non-metallic enclosure.	**HBL13R22D**
HBL7832D in HBL13R90 metal Type 3R enclosure.	**HBL13R92D**
HBL7832D in NEMA 3R flip-lid enclosure.	**HBL13R12D**

Note: See page F-21 for technical information.

30A 600V AC Manual Motor Controllers, Three Pole

Description	Catalog Number
30A, three pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	**HBL7810D**
30A, three pole, single throw, AC manual motor controller, black nylon handle, short toggle.	**HBL7810DS**
HBL7810D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	**HBL1389D**
HBL7810D in HBL1370 metal Type 1 enclosure.	**HBL1379D**
HBL7810D in NEMA 3R non-metallic enclosure.	**HBL13R23D**
HBL7810D in HBL13R90 metal Type 3R enclosure.	**HBL13R89D**
HBL7810D in NEMA 3R flip-lid enclosure.	**HBL13R13D**
30A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	**HBL13S33D**
30A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	**HBL13X33D**

Note: See page F-21 for technical information.

Motor Rating

Product	120V AC	240V AC	480V AC	600V AC	Phase
30A Double Pole	2HP	5HP	10HP	15HP	1
30A Three Pole	3HP	7½HP	15HP	20HP	3
40A Double Pole	2HP	5HP	10HP	15HP	1
40A Three Pole	3HP	7½HP	15HP	20HP	3
50A Double Pole	2HP	5HP	10HP	15HP	1
50A Three Pole	3HP	7½HP	15HP	25HP	3
60A Double Pole	-	10HP	15HP	20HP	1
60A Three Pole	-	10HP	25HP	30HP	3
85A Double Pole	-	10HP	15HP	20HP	1
85A Three Pole	-	10HP	25HP	40HP	3

HUBBELL® Wiring Device-Kellems

IP44*
SUITABILITY

40A 600V AC Manual Motor Controllers

Description	Catalog Number
40A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7842D**
40A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7843D**

Note: See page F-21 for technical information.

HBL7862D

50A 600V AC Manual Motor Controllers

Description	Catalog Number
50A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7852D**
50A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7853D**

Note: See page F-21 for technical information.

60A 600V AC Manual Motor Controllers

Description	Catalog Number
60A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7862D**
Same as HBL7862D except front wired.	**HBL7862FWD**
HBL7862FWD in Type 3R enclosure.	**HBL16R92D**
60A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7863D**
Same as HBL7863D except front wired.	**HBL7863FWD**
HBL7863FWD in a Type 3R enclosure.	**HBL16R93D**
60A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	**HBL16S63D**
60A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	**HBL16X63D**

Note: See page F-21 for technical information.

HBL7862FWD

HBL16R93D

85A 600V AC Manual Motor Controllers

Description	Catalog Number
85A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7882D**
85A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7883D**

Note: See page F-21 for technical information.

Motor Controller Accessories

Description	Catalog Number
Finger Guards, fit 30A, 40A and 50A controllers.	**HBLFG30**
Auxiliary Contacts, NO/Common/NC, for use in rotary switches only.	**HBLAUX**

HBL16S63D

Dimensions in Inches (mm)

Switched Disconnects and Enclosures

NEMA 4X Disconnect Switches

Housing Design

- Thermoplastic 4X Non-metallic enclosures
- Un-drilled case allows custom placement of wire entry
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout

Housing Design

- 304 Stainless steel enclosure chemical and corrosion resistant
- PBT handle and collar chemical and impact resistant
- Hinged cover with removable continuous pin
- Un-drilled case allows custom placement of wire entry
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout

HBL13S33D
(Door open)

Interior Design

- Interlocking shaft and handle prevents cover removal when switch is ON
- Poured in closed cell neoprene gasket
- Up to 2 optional auxiliary contacts for PLCs and external indicators

Circuit-Lock® NEMA 4X Enclosures with Switch and Accessories

Ideal for use in environments where wash-down is necessary, i.e. food processing, laboratories, etc.

HBL16S63D   **HBL13X33D**

Amp	Poles	Enclosure Material	HP Rating 120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	3	Stainless Steel	3	7.5	15	20	**HBL13S33D**
30	3	Non-Metallic	3	7.5	15	20	**HBL13X33D**
60	3	Stainless Steel	—	10	25	30	**HBL16S63D**
60	3	Non-Metallic	—	10	25	30	**HBL16X63D**
Finger Guard option for 30A switch.							**HBLFG30**
NO/Comon/NC auxiliary contact, 10A 120/250V AC for 30 and 60 Amp switches.							**HBLAUX**

Dimensions

HBL13S33D

6.96" (176.8)
4.00" (101.6)
7.44" (189.0)
6.75" (171.5)

Front

6.10" (154.9)
6.00" (152.4)
4.25" (108.0)

Side

HBL16S63D

6.95" (176.5)
8.75" (222.3)
4.00" (101.6)

Front

6.10" (154.9)
8.00" (203.2)
9.44" (239.8)
4.25" (108.0)

Side

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

CPB Series Compact Pendant Stations, Two Button, NEMA 4X

IP55
SUITABILITY

Description	Catalog Number
Single-speed normally open-normally closed without mechanical interlock.	**CPB20**
Single-speed with mechanical interlock between pushbuttons.	**CPB21**
Two-speed with mechanical interlock between pushbuttons.	**CPB22**

Note: Included with product: nylon cord grip and sealing washer (must be installed to achieve NEMA 4X rating).
Indication label pack. Cord dia. range .375–.625 in. (9.5–15.9)
Ambient temperatures: 25°F to 140°F (32°C to 60°C).
Typical applications: Package electric motor hoists. Remote control of machinery.

Contact Ratings, CPB Series

Single-Speed	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A

Two-Speed	Voltage	Current
AC	120V	3A
35% PF	240V	1.5A

1.31" (33.27)

9.13" (231.9)

2.38" (60.5)

CPB21

Wiring Diagram CPB2 Series

Momentary (On / Off) CPB20
Top — N.O.1 — Ctr. — Com.1 — N.C.1 — Bott.

Single Speed* CPB21
Top — N.O.1 — Ctr. — Com.1 — N.O.2 — Bott.

Two Speed* CPB22
Top — N.O.1 — TAB — N.O.2 — Bott. — Ctr.

Mechanical "floating ball" interlock prevents activating both Pushbuttons simultaneously.

PBS Series Heavy Duty Pendant Pushbutton Stations, NEMA 3R

IP44
SUITABILITY

Description	Catalog Number
2 button, single speed.	**PBS2**
2 button, two speed.	**PBS22**
4 button, single speed.	**PBS4**
4 button, two speed.	**PBS42**
6 button, single speed.	**PBS6**
6 button, two speed.	**PBS62**
8 button, single speed.	**PBS8**
8 button, two speed.	**PBS82**

Product Dimensions, PBS Series

Style	A	Approx. Wt. Assembled	Catalog Number
2 button	7.88" (200.0)	2.5 lbs	**PBS2**
4 button	13.69" (347.6)	4.5 lbs	**PBS4**
6 button	18.0" (457.2)	5.5 lbs	**PBS6**
8 button	22.31" (566.7)	7.5 lbs	**PBS8**

Note: Housing: Yellow vinyl rubber.

PBS4   **PBS6**

Contact Interrupting Ratings, PBS Series

Two-Speed Single Break	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	.4A
IND	250V	.2A

Single-Speed Double Break	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A

Cable Entrance Threaded 1" (25.4) NPT I.D. 1.125" (28.6) O.D.

30mm K.O.

A

3.25" (82.6)

0.88" (22.4)

3.50" (88.9)

Dimensions in Inches (mm)

PG2   **PG6**

MS2   **MS5**

TB2

TB5

PBSLP   **PBSBC**

PBSPL1

07401023

Replacement Inserts

When the insert switches are in need of replacement, simply unplug the old insert and plug in a new one.

Description	Catalog Number
Single speed insert momentary N.O. and N.C.	**PG2**
ON-OFF insert (no mechanical interlock). Momentary, start-stop, reset-stop.	**PG6**
2 or 3 speed insert, momentary. Used to a maximum of 3 speed points.	**MS2**
5 speed insert, momentary. Used to a maximum of 5 speed points. For five speed applications replace an existing terminal board with the TB5 terminal board and replace an existing insert with the five speed (MS5) insert.	**MS5**

Conversion Inserts

In addition to single speed and two speed applications, pre-assembled units can be adapted to handle other applications.

Description	Catalog Number
Terminal board, required for each insert switch PG2, PG6 and MS2.	**TB2**
Terminal board, required for insert switch MS5.	**TB5**

Accessories

Description	Catalog Number
Indicator labels for replacement package contains 1 each: hoist, trolley, bridge, forward-reverse, raise-lower, in-out, right left, east-west, north-south, reset-stop, start-stop, power, main hoist, auxuliary hoist, ON-OFF, up-down.	**PBSLP**
Rubber button cover for replacement purposes.	**PBSBC**
120V red pilot light for 4, 6, and 8 button units only.	**PBSPL1***

*Note: *Each pendant station can accommodate one of the pilot light in the 1.20 in. (30.6) diameter mounting hole.*

Kellems® Deluxe Aluminum Cord Fitting

Outdoor or indoors where subject to moisture, splash or submersion. Kellems grips provide strain relief for multi-conductor cable.

Description	Cord Range	Catalog Number
Kellems grip.	.750"-.875" (19-22.2)	**07401023**
Kellems grip.	.875"-1.00" (22.2-25.4)	**07401025**

Table of Contents

Advantage™ Series Switch-Rated Devices	HBL® Watertight IEC Pin and Sleeve	Circuit-Lock® Unfused and Fused Mechanical Interlocks

Products at a Glance

Advantage™ Series Pin and Sleeve Switch-Rated Devices

- Advantage™ series devices are approved as disconnecting means for both motor circuitry and branch circuits
- Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments

IEC Watertight Devices

- Provide safe and dependable performance in the most demanding environments
- Heavy duty non-conductive nylon construction provides impact and corrosion protection
- Thermoset polyester contact carriers withstand high temperatures and provide resistance to electrical tracking

Corrosion Resistant Devices

- This superior grade of IEC and Insulgrip devices are ideal for the most demanding environments
- Nickel-plated brass on the IEC and nickel-plated Tellurium copper on the Insulgrip contacts prevent corrosion and heat rise

Insulgrip® NEMA 4X UL 1686 C1 Devices

- Metallic where you want it and non-metallic where you need it
- This tough product line is NEMA 4X rated for use in the harshest environments
- Devices are fully interchangeable with other manufacturers of UL1686 C1 devices

Back Boxes and Accessories

- A complete line of metallic and non-metallic back boxes, angle adapters, closure caps and liquidtight adapters are available
- Accessories aid with installation efficiencies and support the various applications in which the products are used

Circuit-Lock® Mechanical Interlocks

- IEC pin and sleeve devices are color coded by voltage for easy identification
- Available in either fused or non-fused versions
- IEC reverse service units available for safely connecting generators

Low Profile Devices

- 90° Angled plugs and recessed receptacles allow for connections in tight spaces
- Cords can be controlled easily along the wall
- The integrated cord grips limit strain on terminals and prevent strain on plugs

Hazardous Location Devices

- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power

IEC Configurations Chart

Singly Rated Configurations

Hubbell Pin and Sleeve products are designed and manufactured to meet the International Standard IEC 60309-1 and IEC 60309-2. This device standard calls out a singly rated, non-interchangeable configuration for every voltage and type of service throughout the world. Pin and sleeve device housings are color coded by voltage rating.

Voltage

The voltage is determined by the location of the female ground contact relative to the housing keyway. Simply by manufacturing the device with a ground contact in a certain "clock" position, the device will be rated for a particular voltage system. The diagram shows the keying position and the color coding that is associated with each voltage.

Rated Voltage	Color
100V - 130V	(yellow)
125V/250V	(orange)
200V - 250V	(blue)
277V	(gray)
380V - 480V	(red)
500V - 600V	(black)

Configuration chart labels: 4 Pole-5 Wire Grounding; 3 Pole-4 Wire Grounding; 2 Pole-3 Wire Grounding.

440-460V AC (60Hz); 125/250V AC; 3ØY 120/208V AC; 3Ø 250V AC; 380-415V AC; 250V DC; 380V AC 50Hz 440V AC 60Hz; 400V DC; 550V DC; 480V AC; 250V AC; 277V AC; 125V AC; 3Ø 480V AC; 380-415V AC; 3Ø 600V AC; 3ØY 277/480V AC; 200/346V AC 240/415V AC; 3ØY 347/600V AC

Typical IEC Pin and Sleeve Catalog Number

HBL4100C12W

| HBL | 4 | 100 | C | 12 | W |

- Hubbell Catalog Number — HBL
- 4 Wire — 4
- 100 Amp — 100
- "C" Connector — C
- Female Ground Sleeve at "12" O'Clock (125/250V) — 12
- Watertight — W

Explanation

1	(HBL) Designates Hubbell Catalog Number	2 First Digit	3 Next Series Of Digits	4 Letter	5 Last Digit(s)	6 Letter: W

2 **First Digit**
3-3 wire
4-4 wire
5-5 wire

3 **Next Series Of Digits**
Preceding a letter
20-20 Amp
30-30 Amp
60-60 Amp
100-100 Amp

4 **Letter**
P-Plug
R-Receptacle
C-Connector
B-Inlet
MI-Mechanical Interlock
MIF-Mechanical Interlock Fused

5 **Last Digit(s)**
After the letter. This denotes the position of the ground sleeve and the assigned voltage in the receptacle as it relates to the hours of the clock. This is done to eliminate interchangeability between devices with different voltages.

6 **Letter: W**
Watertight

Features and Benefits

Advantage™ Series Pin and Sleeve Switch-Rated

Hubbell Wiring Device-Kellems Advantage™ Series Pin and Sleeve Switch-Rated Devices are IEC 60309-2 compatible devices that are approved as a disconnecting means for motor and branch circuits. Compact design, this device is similar in size to standard IEC 60309-2 devices. Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments. Stainless steel hardware provides superior corrosion resistance in wet and harsh environments Receptacles mount to standard Hubbell IEC Pin and Sleeve back boxes.

Housing Design

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- IEC pin and sleeve devices are color coded by voltage for easy identification

Heavy Duty External Cord Grips

- Provides maximum cord retention to maintain unstressed terminations
- Pocketed recess for screws deters slippage of the screwdriver and are conveniently located on the same side for easy installation

Ease of Use

- Ergonomic design puts the Advantage™ into the palm of your hands with the easy-to-use leverage grip design from Hubbell

Spring-Loaded Cover

- Spring-loaded to the open position, reminding users that the cover must be secured to ensure maximum ingress protection
- Impact resistant cover arm compact and durable internal swing arm is fully shrouded protecting it from damage

Spring-Loaded Disconnect Button

- Oversized for easy actuation with gloved hands

Full Line of Accessories

- Advantage series receptacles have same mounting pattern as our standard receptacles, for non-metallic and metallic back boxes (see page G-14)
- Full offering of liquidtight adapters (see page G-15)

Features and Benefits

Advantage™ Series Pin and Sleeve Switch-Rated

The Advantage™ Series has a UL witnessed IP69k and 4X,12 environmental rating, two power-indicating LEDs, continuous ground engagement, labelless laser markings and a compact and ergonomic design.

Hubbell's Pin and Sleeve connections have always been safe – that hasn't changed. The Advantage™ series simply has more… Advantages.

The Hubbell Advantages

Sleek and Modern Design

• The ergonomic device is easy to keep clean making it ideal for hygienic food processing facilities

Permanent Labelless Markings

• Product ratings are laser-marked into the device and will not wash off for easy permanent identification

Continuous Ground Engagement

• Unswitched feed-through ground pin is first-to-make and last-to-break followed by switched neutral and phase contact(s)

Superior Water Ingress Protection

• UL witnessed IP69k and UL Type 4X and 12. Device is built to withstand wet and harsh environments

IP69k

IEC 60309 Singularly Rated Device

• Mates with existing installed base of IEC 60309-2 pin and sleeve devices. Color coded by voltage for easy identification of mating devices

IEC

Power Indicating LED Lights

• Highly visible and long lasting green LED lights on both sides of the device provide visual verification of power when connected

PWR

Amps	Poles and Wires	Config. Recep./Conn.	Plug/Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug**	IP67 Inlet	Back Boxes	Closure Caps
		Rating			Pin and Sleeve Devices					Accessories	
30	2P 3W			125V	HBLS330C4W	HBLS330R4W	2	HBLS330P4W	HBL330B4W	BB2030N	PC3430
32	2P 3W			100-130V	HBLS332C4W	HBLS332R4W	2	HBLS332P4W	HBL332B4W	BB2030N	PC3430
30	2P 3W			250V	HBLS330C6W*	HBLS330R6W*	5	HBLS330P6W*	HBL330B6W*	BB2030N	PC3430
32	2P 3W			220-240V							
30	2P 3W			480V	HBLS330C7W	HBLS330R7W	10	HBLS330P7W	HBL330B7W	BB2030N	PC3430
30	3P 4W			125/250V	HBLS430C12W	HBLS430R12W	2	HBLS430P12W	HBL430B12W	BB2030N	PC3430
30/32	3P 4W			3Ø 250V	HBLS430C9W*	HBLS430R9W*	10	HBLS430P9W*	HBL430B9W*	BB2030N	PC3430
30	3P 4W			3Ø 480V	HBLS430C7W	HBLS430R7W	20	HBLS430P7W	HBL430B7W	BB2030N	PC3430
30	3P 4W			3Ø 600V	HBLS430C5W	HBLS430R5W	30	HBLS430P5W	HBL430B5W	BB2030N	PC3430
30/32	3P 4W			380-415V	HBLS430C6W*	HBLS430R6W*	7.5	HBLS430P6W*	HBL430B6W*	BB2030N	PC3430
32	3P 4W			380-440V	HBLS432C3W	HBLS432R3W	10	HBLS432P3W	HBL432B3W	BB2030N	PC3430
30	4P 5W			3ØY 347/600V	HBLS530C5W	HBLS530R5W	30	HBLS530P5W	HBL530B5W	BB2030N	PC530
30	4P 5W			200/346-240/415V	HBLS530C6W*	HBLS530R6W*	7.5	HBLS530P6W*	HBL530B6W*	BB2030N	PC530
32	4P 5W			220/380V 240/415V							
30	4P 5W			3ØY 277/480V	HBLS530C7W	HBLS530R7W	20	HBLS530P7W	HBL530B7W	BB2030N	PC530
30/32	4P 5W			3ØY 120/208V	HBLS530C9W*	HBLS530R9W*	10	HBLS530P9W*	HBL530B9W*	BB2030N	PC530
60	2P 3W			125V	HBLS360C4W	HBLS360R4W	3	HBLS360P4W	HBLS360B4W	BB60N	PC60
60	2P 3W			250V	HBLS360C6W*	HBLS360R6W*	7.5	HBLS360P6W*	HBLS360B6W*	BB60N	PC60
63	2P 3W			220-240V							
60	2P 3W			480V	HBLS360C7W	HBLS360R7W	15	HBLS360P7W	HBLS360B7W	BB60N	PC60
60	3P 4W			125/250V	HBLS460C12W	HBLS460R12W	3	HBLS460P12W	HBLS460B12W	BB60N	PC60
60/63	3P 4W			3Ø 250V	HBLS460C9W*	HBLS460R9W*	10	HBLS460P9W*	HBLS460B9W*	BB60N	PC60
60	3P 4W			3Ø 480V	HBLS460C7W	HBLS460R7W	30	HBLS460P7W	HBLS460B7W	BB60N	PC60
60	3P 4W			3Ø 600V	HBLS460C5W	HBLS460R5W	40	HBLS460P5W	HBLS460B5W	BB60N	PC60
60/63	3P 4W			380-415V	HBLS460C6W*	HBLS460R6W*	10	HBLS460P6W*	HBLS460B6W*	BB60N	PC60
60	4P 5W			3ØY 347/600V	HBLS560C5W	HBLS560R5W	40	HBLS560P5W	HBLS560B5W	BB60N	PC60
60/63	4P 5W			200/346-240/415V	HBLS560C6W*	HBLS560R6W*	10	HBLS560P6W*	HBLS560B6W*	BB60N	PC60
60	4P 5W			3ØY 277/480V	HBLS560C7W	HBLS560R7W	30	HBLS560P7W	HBLS560B7W	BB60N	PC60
60/63	4P 5W			3ØY 120/208V	HBLS560C9W*	HBLS560R9W*	10	HBLS560P9W*	HBLS560B9W*	BB60N	PC60

Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.*
**Mating plug or inlet required to maintain 4X/IP69k ratings when used with ADVANTAGE™ series connections.*
ADVANTAGE™ series receptacles have the same mounting pattern as standard Hubbell IEC pin and sleeve.
*Just add a "**P**" suffix for Pilot pin for 60 amp devices.*

HUBBELL® Wiring Device-Kellems

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Rating					Pin and Sleeve Devices					Accessories	
Amps	Poles and Wires	Configuration Recep./Conn.	Plug/Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug**	Inlet**	Back Boxes	Closure Caps
100	3P 4W			3Ø 600V ▪	HBLS4100C5W	HBLS4100R5W	50	HBLS4100P5W	HBLS4100B5W	BB100N	PC100
100	3P 4W			380-415V ▪	HBLS4100C6W*	HBLS4100R6W*	15	HBLS4100P6W	HBLS4100B6W	BB100N	PC100
100	3P 4W			3Ø 480V ▪	HBLS4100C7W	HBLS4100R7W	40	HBLS4100P7W	HBLS4100B7W	BB100N	PC100
100	3P 4W			3Ø 250V ▪	HBLS4100C9W*	HBLS4100R9W*	15	HBLS4100P9W	HBLS4100B9W	BB100N	PC100
100	3P 4W			125/250V ▪	HBLS4100C12W	HBLS4100R12W	10; 3	HBLS4100P12W	HBLS4100B12W	BB100N	PC100
100	4P 5W			3ØY 347/600V ▪	HBLS5100C5W	HBLS5100R5W	50	HBLS5100P5W	HBLS5100B5W	BB100N	PC100
100	4P 5W			200/346-240/415V ▪	HBLS5100C6W*	HBLS5100R6W*	15	HBLS5100P6W	HBLS5100B6W	BB100N	PC100
100	4P 5W			3ØY 277/480V ▪	HBLS5100C7W	HBLS5100R7W	40	HBLS5100P7W	HBLS5100B7W	BB100N	PC100
100	4P 5W			3ØY 120/208V ▪	HBLS5100C9W*	HBLS5100R9W*	15	HBLS5100P9W	HBLS5100B9W	BB100N	PC100

*Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.*
**Mating plug or inlet required to maintain 4X/IP69k ratings when used with ADVANTAGE™ series connections.

Optional Pilot Pin Available on All 60A and 100A Devices

The Pilot Pin is smaller than the ground and phase pins and are designed to make after main and break before main breaks. This pin can be used to communicate with auxiliary devices within your facility. They are "Break before main break" and by design are the last contact in the sequence to make and first to break.

Rating			Pin and Sleeve Devices			
Amps	Poles/Wires	AC Voltage	Connector with Pilot Sleeve	Receptacle with Pilot Sleeve	Plug with Pilot Pin	Inlet with Pilot Pin
60/63	3P 4W	3Ø 250V ▪	HBLS460C9WP*	HBLS460R9WP*	HBLS460P9WP*	HBLS460B9WP*

*Note: *Just add a "P" suffix for Pilot pin for 60 amp devices.*

Specifications

Temperature Rise	< 30°C
Dielectric Voltage	Min 2,200V AC
Electrical Life	Min 6,000 Cycles at rated switch load (p.f.= .75-.80)
Max Working Voltage	600V AC
Current Interrupting	Certified for current interrupting at full rated current and voltage
Horsepower Locked Rotor Test	50 Operations at 600% of full load motor current (p.f.= .40-.50)
Short Circuit	100kA when protected by Class J fuse. Also 125A RK1 fuse for 100A devices only
Endurance	Min 10,000 mating cycles
Flammability	V-0
Operating Temperature	Max Continuous +75°C; Min continous -40°C
Environmental	Type 4X, 12 and IP69k
UV Resistance	All materials are UV stabilized

Dimensions

	A	B	C	D	E	F	G
Description	Connector		Receptacle				
30A	9.9" (251.5)	4.5" (114.3)	1.06" (27.2)	3.83" (97.3)	3.13" (79.4)	3.75" (95.2)	4.5" (114.3)
60A	12.22" (310.4)	5.17" (131.3)	1.85" (47.0)	4.77" (121.2)	3.88" (98.6)	4.52" (114.8)	5.09" (129.3)
100A	15.89" (403.6)	5.63" (142.9)	3.08" (78.2)	5.03" (127.6)	4.87" (123.7)	5.63" (142.9)	5.88" (149.3)

Ø .22" (5.59) X 4

Dimensions in Inches (mm)

Features and Benefits

Watertight Devices

Hubbell's IEC 60309 Pin and Sleeve plugs, connectors, inlets and receptacles are the highest performing products available. The HBL® series of IEC pin and sleeve were designed for the demanding North American market. Hubbell was the first and is still only manufacturer of IEC 60309 devices in the USA and have numerous innovative features noted below.

Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically

Liquidtight Conduit Adapters

- Aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector

Powerful Mechanical Cord Grip

- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention

Sequential Contact Engagement

- Ground makes first and breaks last. Neutral makes second and breaks second (to prevent a momentary over-voltage on components connected phase to neutral)
- Phase contacts make last and break first

Watertight Cord Entrance

- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance

Multi-Contact Spring

- (60/63 and 100/125 Amp) Recessed within the female sleeve, provides and maintains high unit pressure on mating pins to minimize temperature rise
- Broaches oxide film to achieve low resistance contact for cooler operation

Features and Benefits

Watertight Devices

The IEC line of plugs and connectors are made with a rugged super tough, one-piece housing. The thermoset polyester contact carrier provides a high resistance to electrical tracking. They withstand higher temperatures which may result from overload or arcing. The heavy-duty, external cord grip provides superior strain relief on the conductors. Hubbell's horsepower rated plugs and receptacles meet NEC 430.109(F) requirements and recognized as an approved disconnecting/"line of sight" disconnecting means.

Housing Design
- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- Amperage/voltage rating and catalog number molded in housing for easy identification

Shrouded Pins
- Super tough plug shroud protects pins from deforming from physical abuse
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Solid one-piece pins, machined from solid brass for longer life and reliable electrical contact

Safety
- Lockout/Tagout, tapered opening on plug shroud accommodates up to ⅜ inch (9.7mm) lock shackle diameter

Thermoset Polyester Contact Carrier
- Molded thermoset polyester provides high resistance to electrical tracking
- Withstands higher temperatures which may result from overload or arcing
- Thermoset properties provide dimensional stability for this critical assembly

Cord Grips
- Heavy duty external cord grips provide maximum cord retention to maintain secure terminations

Swivel Pressure Pads
- 16/20 and 30/32 Amp devices feature patented swiveling pressure pad terminal screws and prevent damage to conductor strands. 60/63 and 100/125 Amp devices feature large hex-head stainless steel screws which provide higher torque levels for secure terminations

Pin and Sleeve Devices/Mechanical Interlocks

TYPE 4X, 12

Rating				Watertight Devices				Accessories			Replacement Interiors	
Amps	Poles and Wires	Configuration	AC Voltage	Receptacle	Plug	Connector	Inlet	Back Boxes Non-Metallic	Metallic*	Closure Caps	Recep./Conn.	Plug/Inlet
16	2P 3W		100-130V	HBL316R4W	HBL316P4W	HBL316C4W	HBL316B4W†	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	2P 3W		125V	HBL320R4W	HBL320P4W	HBL320C4W	HBL320B4W	BB2030N	BB201W BB301W	PC320	IN320AF	IN320AM
16/20	2P 3W		220-240V 250V	HBL320R6W	HBL320P6W	HBL320C6W	HBL320B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	2P 3W		480V	HBL320R7W	HBL320P7W	HBL320C7W	HBL320B7W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	3P 4W		125/250V	HBL420R12W	HBL420P12W	HBL420C12W	HBL420B12W	BB2030N	BB201W BB301W	PC420	IN420CF	IN420CM
16/20	3P 4W		380-415V	HBL420R6W	HBL420P6W	HBL420C6W	HBL420B6W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
16/20	3P 4W		3Ø 250V	HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
20	3P 4W		3Ø 480V	HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
20	3P 4W		3Ø 600V	HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
16/20	4P 5W		220/380V 240/415V	HBL520R6W	HBL520P6W	HBL520C6W	HBL520B6W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
16/20	4P 5W		3ØY 120/208V	HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	4P 5W		3ØY 277/480V	HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	4P 5W		3ØY 347/600V	HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
30	2P 3W		125V	HBL330R4W	HBL330P4W	HBL330C4W	HBL330B4W	BB2030N	BB201W BB301W	PC3430	IN330AF	IN330AM†
30/32	2P 3W		220-240V 250V	HBL330R6W	HBL330P6W	HBL330C6W	HBL330B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
30	2P 3W		480V	HBL330R7W	HBL330P7W	HBL330C7W	HBL330B7W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
30	3P 4W		125/250V	HBL430R12W	HBL430P12W	HBL430C12W	HBL430B12W	BB2030N	BB201W BB301W	PC3430	IN430CF	IN430CM
30/32	3P 4W		380-415V	HBL430R6W	HBL430P6W	HBL430C6W	HBL430B6W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30/32	3P 4W		3Ø 250V	HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30	3P 4W		3Ø 480V	HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30	3P 4W		3Ø 600V	HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30/32	4P 5W		220/380V 240/415V	HBL530R6W	HBL530P6W	HBL530C6W	HBL530B6W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30/32	4P 5W		3ØY 120/208V	HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30	4P 5W		3ØY 277/480V	HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30	4P 5W		3ØY 347/600V	HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
32	2P 3W		100-130V	HBL332R4W†	HBL332P4W†	HBL332C4W†	HBL332B4W†	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
32	3P 4W		380V 50Hz 440V 60Hz	HBL432R3W	HBL432P3W	HBL432C3W	HBL432B3W†	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM

Note: See page G-14 and G-15 for back boxes and accessories, G-16 and G-17 for product dimensions, G-18 and G-19 for product specifications and HP ratings.
See page G-15 for closure caps, purchased separately. PC320, PC420, PC520, PC3430, PC530 are not UL or CSA.
*These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.
†Consult factory.
See 20, 30, 60 & 100 amp offering for additional dual rated devices for use at either 16A or 20A, 30A or 32A, 60A or 63A and 100A or 125A.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Rating						Watertight Devices				Accessories			Replacement Interiors	
Amps	Poles and Wires	Config. Recep./Conn.	Plug/Inlet	AC Voltage		Receptacle	Plug	Connector	Inlet	Back Boxes Non-Metallic	Metallic*	Closure Caps	Recep./Conn.	Plug/Inlet
60	2P 3W			125V	(yellow)	HBL360R4W	HBL360P4W	HBL360C4W	HBL360B4W	BB60N	BB601W BB602W	PC60	IN360AF	IN360AM
60/63	2P 3W			220-240V 250V	(blue)	HBL360R6W	HBL360P6W	HBL360C6W	HBL360B6W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
60	2P 3W			480V	(red)	HBL360R7W	HBL360P7W	HBL360C7W	HBL360B7W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
60	3P 4W			125/250V	(orange)	HBL460R12W	HBL460P12W	HBL460C12W	HBL460B12W	BB60N	BB601W BB602W	PC60	IN460CF	IN460CM
60/63	3P 4W			380-415V	(red)	HBL460R6W	HBL460P6W	HBL460C6W	HBL460B6W	BB60N	BB601W BB602W	PC60	IN460DFS	IN460DMS
60/63	3P 4W			3Ø 250V	(blue)	HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60	3P 4W			3Ø 480V	(red)	HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60	3P 4W			3Ø 600V	(black)	HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60/63	4P 5W			220/380V 240/415V	(red)	HBL560R6W	HBL560P6W	HBL560C6W	HBL560B6W	BB60N	BB601W BB602W	PC60	IN560EFS†	IN560EMS
60/63	4P 5W			3ØY 120/208V	(blue)	HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
60	4P 5W			3ØY 277/480V	(red)	HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
60	4P 5W			3ØY 347/600V	(black)	HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
100	2P 3W			125V	(yellow)	HBL3100R4W	HBL3100P4W	HBL3100C4W	HBL3100B4W	BB100N	BB1001W BB1002W	PC100	IN3100AF	IN3100AM
100	2P 3W			250V	(blue)	HBL3100R6W	HBL3100P6W	HBL3100C6W	HBL3100B6W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
100	2P 3W			480V	(red)	HBL3100R7W	HBL3100P7W	HBL3100C7W	HBL3100B7W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
100	3P 4W			125/250V	(orange)	HBL4100R12W	HBL4100P12W	HBL4100C12W	HBL4100B12W	BB100N	BB1001W BB1002W	PC100	IN4100CF†	IN4100CM
100/125	3P 4W			380-415V	(red)	HBL4100R6W	HBL4100P6W	HBL4100C6W	HBL4100B6W	BB100N	BB1001W BB1002W	PC100	IN4100DFS	IN4100DMS
100/125	3P 4W			3Ø 250V	(blue)	HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100	3P 4W			3Ø 480V	(red)	HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100	3P 4W			3Ø 600V	(black)	HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100/125	4P 5W			220/380V 240/415V	(red)	HBL5100R6W	HBL5100P6W	HBL5100C6W	HBL5100B6W	BB100N	BB1001W BB1002W	PC100	IN5100EFS	IN5100EMS
100/125	4P 5W			3ØY 120/208V	(blue)	HBL5100R9W	HBL5100P9W**	HBL5100C9W	HBL5100B9W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
100	4P 5W			3ØY 277/480V	(red)	HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
100	4P 5W			3ØY 347/600V	(black)	HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM

Note: See page G-14 and G-15 for back boxes and accessories, G-16 and G-17 for product dimensions, G-18 and G-19 for product specifications and HP ratings.
 For 60/63A and 100/125A application requiring a pilot pin add a "P" suffix to end of standard catalog number.
 See page G-15 for closure caps, purchased separately. PC60 and PC100 are not UL or CSA.
 *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.
 **Short housing plug HBL5100P9WSH. IP22 suitability.
 †Consult factory.

IP69k RoHS UL CSA

TYPE 4X

Corrosion Resistant Devices that Withstand the Most Abusive Environments

Hubbell offers a superior grade of 100A IEC Pin and Sleeve designed for use in the most demanding environments. These devices feature nickel plated solid brass pins for long life and reliable electrical contact in the most corrosive environments. They have a high visibility yellow supertough nylon housing. The heavy duty external cord clamps provide maximum cord retention to maintain secure terminations. The screws and fasteners are made from stainless steel.

- Food Processing
- Factory

- Water Treatment
- Washdown
- Temporary Power

- Meat Packing
- Construction

- Agriculture
- Outdoor Entertainment

Standard Service

Rating					Watertight Devices			Accessories			
Amps	Poles And Wires	Configuration Recep./Conn.	Plug	AC Voltage	Receptacle	Plug	Connector	Back Boxes Non-Metallic	Metallic*	Closure Caps	
100	3P 4W			125/250V	M4100R12	M4100P12	M4100C12	BB100N	BB1001W BB1002W	PC100	
	4P 5W			3ØY 120/208V	M5100R9	M5100P9	M5100C9	BB100N	BB1001W BB1002W	PC100	
	4P 5W			3ØY 277/480V	M5100R7	M5100P7	M5100C7	BB100N	BB1001W BB1002W	PC100	

"Reverse Service"

Rating					Watertight Devices			Accessories			
Amps	Poles And Wires	Configuration Conn.	Inlet	AC Voltage	Inlet	Plug	Connector	Back Boxes Non-Metallic	Metallic*	Closure Caps	
100	3P 4W			125/250V	M4100B12R	—	M4100C12R	BB100N	BB1001W BB1002W	PC100	
	4P 5W			3ØY 120/208V	M5100B9R	—	M5100C9R	BB100N	BB1001W BB1002W	PC100	
	4P 5W			3ØY 277/480V	M5100B7R	—	M5100C7R	BB100N	BB1001W BB1002W	PC100	

*Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*
See page AA-19 for corrosion resistant cord sets.

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Data Center DC Rated Pin and Sleeve Devices

TYPE 4X, 12

In today's environmentally conscious world, energy savings is a pinnacle part of going green. DC (Direct Current) is being used to reduce power consumption and decrease the amount of infrastructure needed to energize specific types of data center equipment. Electrical devices provide a means of connecting DC power.

Hubbell is the first manufacturer to introduce a series of IEC Pin and Sleeve devices configured for the UL1686 eight o'clock ground position for DC voltage (Disconnecting use only). Hubbell's IEC DC rated pin and sleeve line has been qualified by UL to the requirements of DC voltage. The thermoset polyester contact carrier provide high resistance to electrical tracking, it withstands higher temperatures for this type of demanding application. The solid one-piece pins are machined from solid brass for longer life and reliable electrical contact. In addition, the heavy-duty external cord grips provide maximum cord retention to maintain secure terminations. Finally, the super tough, color coded, non-conductive V-0 rated PBT housing is heavy duty for safety and protecting the internal components.

Rating					Watertight Devices		
Amps	Poles And Wires	Configuration Recep./Conn.	Plug	DC Voltage	Receptacle	Plug	Connector
30	2P 3W			550V ■	HBL330R8WDC	HBL330P8V0DC	HBL330C8V0DC
60	2P 3W			550V ■	HBL360R8WDC*	HBL360P8V0DC	HBL360C8V0DC
100	2P 3W			550V ■	HBL3100R8WDC	HBL3100P8V0DC	HBL3100C8V0DC
	4P 5W			400V ■	HBL5100R8WDC	HBL5100P8V0DC	HBL5100C8V0DC

*Note: *Inlet available - HBL360B8WDC.*

Dual Certified Pin and Sleeve Devices

TYPE 4X, 12

Hubbell's dual certified pin and sleeve devices are ideal for the data center and high tech server industry. They are UL Listed to UL1682 for the North American market and are UL Classified Certified for the European and International market. Customers can use the same plug and connector for multiple electrical configurations. They reduce the number of SKU's end users have to use if they sell to both domestic and overseas customers. These devices are IP67 rated, RoHs compliant and showcase all the inherent safety benefits of their V-0 rated PBT housing and internal components.

Rating					Watertight Devices			
Amps	Poles And Wires	Configuration Recep./Conn.	Plug	AC Voltage	Receptacle	Plug	Connector	Inlet
30/32	3P 4W			380-415V ■	HBL430R6V02	HBL430P6V02	HBL430C6V02	HBL430B6V02
	4P 5W			200/346V 240/415V ■	HBL530R6V02	HBL530P6V02	HBL530C6V02	HBL530B6V02
60/63	3P 4W			380-415V ■	HBL460R6V02	HBL460P6V02	HBL460C6V02	HBL460B6V02
	4P 5W			200/346V 240/415V ■	HBL560R6V02	HBL560P6V02	HBL560C6V02	HBL560B6V02

BB60N

BB301W

BB601WSS

FW6010055

FT202W

FW60100

AA2030PS

Back Boxes

Hubbell manufactures an extensive line of back boxes for use with IEC Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit. Hubbell back boxes are available in non-metallic and cast metal versions.

Non-Metallic 15º Angle Back Box

Description	NPT Hub Size*	Catalog Number
Back box for 16, 20, 30 and 32A devices.	1"	**BB2030N**
Back box for 60 and 63A devices.	1¼"	**BB60N**
Back box for 100 and 125A devices.	1½"	**BB100N**

Note: *Hub is not included; order one of the following Raco® part numbers: 1 in. = 1704, 1¼ in. = 1705, 1½ in. = 1706. These boxes meets IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

Metallic 15º Angle Back Box and Adapter**

Description	NPT Hub Size	Stainless Steel	Cast Iron
Back box for 16, 20, 30 and 32A devices.	¾"	**BB201WSS**	**BB201W**
	1"	**BB301WSS**	**BB301W**
Back box for 60 and 63A devices.	1¼"	**BB601WSS**	**BB601W**
	1½"	–	**BB602W**
Back box for 100 and 125A devices.	1½"	**BB1001WSS**	**BB1001W**
	2"	**BB1002WSS**	**BB1002W**
Angle adapter only for 60, 63, 100 and 125A devices.	–	–	**AA6010015**

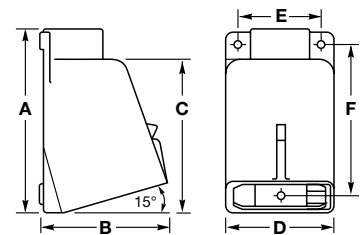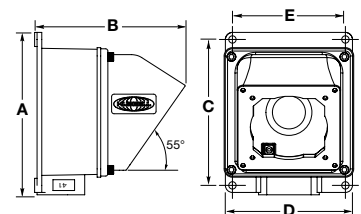Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Metallic 55º Angle Back Box and Adapter**

Description	NPT Hub Size	Catalog Number
Feed-thru box back box and adapter for 16, 20, 30 and 32A devices.	1"	**AB203055**
Angle adapter only.	–	**AA203055**
Back box and adapter for 60, 63, 100 and 125A devices.	1½"	**FW6010055**
Angle adapter only.	–	**AA6010055**

Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Metallic Feed-Thru Back Box**

Description	NPT Hub Size	Catalog Number
Feed-thru box for 16, 20, 30 and 32A devices.	¾"	**FT202W**
	1"	**FT302W**

Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Metallic Four-Way 15º Angle Back Box**

Description	NPT Hub Size	Catalog Number
Four-way box for 60, 63, 100 and 125A devices.	1½"	**FW60100**

Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Straight Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to 2-gang, device boxes and FD boxes.	**HBL2030AP**

Angle Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to standard wall boxes.	**AA2030PS**

Note: Adapts 20 and 30A Watertight Pin and Sleeve receptacle to single, 2-gang standard wall box and 4 or 4¹¹⁄₁₆ inch square for non-watertight applications.

Accessories

Closure Caps

Cap assemblies provide watertight sealing to a disconnected male IEC Pin and Sleeve plug or inlet. Manufactured of the same tough non-metallic material as the watertight IEC Pin and Sleeve devices for corrosion and abuse resistance.

Description	Catalog Number
Fits all 16 and 20A, 3 wire plugs and inlets.	**PC320**
Fits all 16 and 20A, 4 wire plugs and inlets.	**PC420**
Fits all 16 and 20A, 5 wire plugs and inlets.	**PC520**
Fits all 30 and 32A, 3 and 4 wire plugs and inlets.	**PC3430**
Fits all 30 and 32A, 5 wire plugs and inlets.	**PC530**
Fits all 60 and 63A plugs and inlets.	**PC60**
Fits all 100 and 125A plugs and inlets.	**PC100**

PC3430

Cover Assemblies

Replacement cover assemblies for use with watertight connector bodies and receptacles. Exact replacement cover assemblies required to maintain proper water ingress. They are not reverse compatible. Replacement covers are not interchangeable. Kit contains cover, arm assembly and installation tool.

Description	IP67 Catalog Number	IP69k/4X Catalog Number
Fits all 16 and 20A, 3 wire watertight female devices.	**CA320**	**HBLCA320**
Fits all 16 and 20A, 4 wire watertight female devices.	**CA420**	**HBLCA420**
Fits all 16 and 20A, 5 wire watertight female devices.	**CA520**	**HBLCA520**
Fits all 30 and 32A, 3 and 4 wire watertight female devices.	**CA3430**	**HBLCA3430**
Fits all 30 and 32A, 5 wire watertight female devices.	**CA530**	**HBLCA530**
Fits all 60 and 63A watertight female devices.	**CA60**	**HBLCA60**
Fits all 100 and 125A watertight female devices.	**CA100**	**HBLCA100**

CA60

HBLCA60

Cord Clamp and Locking Ring

Replacement cord clamp and locking ring for use with IEC plugs, connectors and inlets.

Description	Cord Clamp and Locking Ring	Locking Ring Only
Fits all 16 and 20A, 3 wire plugs, connectors and inlets.	**CC320**	**LR320***
Fits all 16 and 20A, 4 wire plugs, connectors and inlets.	**CC420**	**LR420***
Fits all 16 and 20A, 5 wire plugs, connectors and inlets.	**CC520†**	**LR520***
Fits all 30 and 32A, 3 and 4 wire plugs, connectors and inlets.	**CC3430**	**LR3430***
Fits all 30 and 32A, 5 wire plugs, connectors and inlets.	**CC530†**	**LR530***
Fits all 60 and 63A plugs, connectors and inlets.	**CC60**	**LR60***
Fits all 100 and 125A plugs, connectors and inlets.	**CC100**	**LR100***

Note: *Locking Ring only for plugs and inlets.
   †Consult factory.

CC3430

LR3430

Liquidtight Adapters

Machined aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of a Hubbell Pin and Sleeve plug or connector. To install, remove cord grip and two gland cap screws. Use screws to attach adapter. Kellems® liquidtight conduit connectors are available to control arc of bend and to prevent conduit pull-out where vibration, motion or strain is present. These grips interface directly with Hubbell's liquidtight adapters and are available in a wide variety of NPT sizes and configurations. Consult your local code grounding requirements before using liquidtight adapters.

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Liquidtight Adapters Aluminum	Non-Metallic	Optional Kellems Liquidtight Conduit Grip
16 and 20 Amp 3 and 4 Wire	½" NPT	**SAA12**	—	**074093402**
	¾" NPT	**SAA34**	—	**074093403**
16 and 20 Amp 5 wire and 30 and 32 Amp 3 and 4 wire	½" NPT	**SAB12**	—	**074093402**
	¾" NPT	**SAB34**	—	**074093403**
	1" NPT	**SAB100**	—	**074093404**
30 and 32 Amp 5 wire and 60 and 63 Amp (all)	½" NPT	**SAC12**	**SAC12NM**	**074093402**
	¾" NPT	**SAC34**	**SAC34NM**	**074093403**
	1" NPT	**SAC100**	**SAC100NM**	**074093404**
	1¼" NPT	**SAC125**	—	**074093405**
100 and 125 Amp (all)	1¼" NPT	**SAD125**	—	**074093405**
	1½" NPT	**SAD150**	—	**074093406**

SAB34

074093403

Plug

Short Housing Plug

Connector Body

Inlet

7⁄32" (5.5) Dia. (4 Holes)

Receptacle

7⁄32" (5.5) Dia. (4 Holes)

Dimensions in Inches (mm)

Plug Dimensions

Type	A	B	Cord Grip Range
HBL320P	6.61" (167.8)	2.87" (73.0)	.330"-.830" (8.4-21.1)
HBL420P	7.00" (177.8)	3.19" (81.0)	.330"-.830" (8.4-21.1)
HBL520P	7.65" (194.3)	3.50" (89.0)	.330"-.830" (8.4-21.1)
HBL330P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL430P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL530P	8.54" (216.9)	4.02" (102.0)	.500"-1.450" (12.7-36.8)
HBL360P, HBL460P, HBL560P	10.15" (257.8)	4.49" (114.0)	.500"-1.450" (12.7-36.8)
HBL3100P, HBL4100P, M4100P, HBL5100P, M5100P	12.63" (320.8)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Short Housing Plug Dimensions

Type	A	B	Cord Grip Range
HBL5100P9WSH	8.30" (210.82)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Connector Body Dimensions

Type	A	B	Cord Grip Range
HBL320C	7.21 (183.1)	3.10 (78.9)	.330"-.830" (8.4-21.1)
HBL420C	7.57 (192.3)	3.43 (87.2)	.330"-.830" (8.4-21.1)
HBL520C	8.24 (209.2)	3.71 (94.3)	.330"-.830" (8.4-21.1)
HBL330C	8.24 (209.2)	3.71 (94.3)	.375"-1.250" (9.5-31.8)
HBL430C	8.69 (220.6)	3.74 (95.0)	.375"-1.250" (9.5-31.8)
HBL530C	9.33 (237.0)	4.02 (102.1)	.500"-1.450" (12.7-36.8)
HBL360C, HBL460C, HBL560C	10.75 (272.9)	4.39 (111.5)	.500"-1.450" (12.7-36.8)
HBL3100C, HBL4100C, M4100C, HBL5100C, M5100C	13.14 (333.8)	5.06 (128.5)	1.065"-1.940" (27.1-49.3)

Inlet Dimensions

Type	A	B	C	D	E	F
HBL320B	2.54" (64.5)	1.85" (47.0)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420B	2.54" (64.5)	2.11" (53.6)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520B	2.54" (64.5)	2.41" (61.2)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530B	2.99" (76.0)	2.75" (69.9)	1.04" (26.5)	2.80" (71.0)	3.75" (95.3)	3.13" (79.5)
HBL360B, HBL460B, HBL560B	4.04" (102.6)	2.97" (75.5)	1.18" (30.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.5)
HBL3100B, HBL4100B, M4100B, HBL5100B, M5100B	4.53" (115)	3.44" (87.5)	1.95" (49.5)	3.94" (100.0)	5.50" (139.7)	4.88" (124.0)

Receptacle Dimensions

Type	A	B	C	D	E	F
HBL320R	2.47 (62.8)	3.10 (78.9)	.91 (23.0)	2.71 (68.9)	3.75 (95.3)	3.13 (79.4)
HBL420R	2.46 (62.4)	3.43 (87.2)	.91 (23.0)	2.71 (68.9)	3.75 (95.3)	3.13 (79.4)
HBL520R	2.50 (63.4)	3.71 (94.3)	.90 (22.9)	2.71 (68.9)	3.75 (95.3)	3.12 (79.3)
HBL330R	2.74 (69.7)	3.74 (95.0)	1.04 (26.5)	2.71 (68.9)	3.75 (95.3) SQ	4X 3.13 (79.4) SQ
HBL430R	2.74 (69.7)	3.74 (95.0)	1.04 (26.5)	2.71 (68.9)	3.75 (95.3) SQ	4X 3.13 (79.4) SQ
HBL530R	2.75 (69.7)	4.02 (102.1)	1.04 (26.5)	2.83 (71.9)	3.75 (95.3) SQ	3.13 (79.4) SQ
HBL360R, HBL460R, HBL560R	3.67 (93.2)	4.39 (111.5)	1.57 (40.0)	3.45 (87.7)	4.50 (114.3) SQ	3.88 (98.4) SQ
HBL3100R, HBL4100R, M4100R, HBL5100R, M5100R	3.78 (96.1)	5.07 (128.7)	2.30 (58.5)	3.93 (99.8)	4.87 (123.7) SQ	5.50 (139.7) SQ

Note: 20, 30, 60 and 100A devices are dimensionally equivalent to 16, 32, 63 and 125A devices, respectively.

Non-Metallic 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**
Back box for 60 & 63A devices.	1¼"	7.76" (197.0)	5.16" (131.0)	5.87" (149.0)	4.72" (120.0)	2.99" (76.0)	6.94" (176.0)	70.00"	**BB60N**
Back box for 100 & 125A devices.	1½"	8.21" (209.0)	6.23" (158.0)	6.31" (160.3)	5.71" (145.0)	3.99" (101.0)	7.41" (188.0)	120.00"	**BB100N**

Note: *Hub is not included; order one of the following Raco® part numbers: 1 inch = 1704, 1¼ inch = 1705, 1½ inch = 1706. These boxes meet IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

Non-Metallic Angle Box

Metallic 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	¾"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
Back box for 16, 20, 30 & 32A devices.	1"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**
Back box for 60 & 63A devices.	1¼"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	**BB601W**
Back box for 60 & 63A devices.	1½"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	**BB602W**
Back box for 100 &125A devices.	1½"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	**BB1001W**
Back box for 100 & 125A devices.	2"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	**BB1002W**

Metallic 15º Angle Box

Metallic 55º Angle Back Box and Adapter

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box and angle adapter for 16, 20, 30 & 32A devices.	1"	6.80" (172.4)	6.60" (167.0)	5.63" (142.9)	4.50" (114.3)	3.74" (95.0)	–	42.27"	**AB203055**
Angle adapter for 16, 20, 30 & 32A devices.	–	4.89" (124.3)	3.33" (84.6)	4.29" (109.0)	3.75" (95.2)	2.50" (63.5)	–	25.00"	**AA203055**
Back box and angle adapter for 60, 63, 100 & 125A devices.	1½"	8.50" (215.9)	8.00" (202.9)	7.75" (196.8)	6.90" (174.8)	6.00" (152.4)	–	100.00"	**FW6010055**
Angle adapter for 60, 63, 100 & 125A devices.	–	6.75" (171.4)	4.48" (113.7)	6.00" (152.4)	6.75" (171.4)	6.00" (152.4)	–	79.00"	**AA6010055**

Metallic 55º Angle Box

Metallic Feed-Thru Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box for 16, 20, 30 & 32A devices.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
Feed-thru box for 16, 20, 30 & 32A devices.	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

Metallic Feed-Thru Box

Metallic Four-Way 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Four-way box for 60, 63, 100 & 125A devices.	1½"	8.75" (222.3)	9.75" (247.7)	7.75" (196.9)	6.75" (171.5)	6.00" (152.4)	–	210.00"	**FW60100**

Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL rain tight and external icing test.

Metallic Four-Way Angle Box

Dimensions in Inches (mm)

Watertight Materials

Part	Material
Plug	
Housing	PBT
Locking Ring	PBT
Sealing Gasket	Solid Neoprene
Cord Clamp	PBT
Gland Cap	PBT
Gland	Solid Neoprene
Cord Clamp Screws	Stainless Steel (300 Series)
Clamp Nut	Nickel-Plated Brass
Gland Clamp Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)
Connector Body	
Housing	PBT
Cord Clamps	PBT
Glands	Solid Neoprene
Cover Arms	PBT
Arm Springs	Stainless Steel (17-7 type)
Covers	PBT
Cover Screw	Nickel-plated brass
Gaskets	Solid Neoprene
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Phase, Ground Sleeves	Brass
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)
Inlet	
Housing	PBT
Locking Ring	PBT
Mounting Flange	PBT
Mounting Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws (2)	Stainless Steel (300 Series)
Gaskets	Solid Neoprene
Receptacle	
Housing	PBT
Mounting Flange	PBT
Arm Spring	Stainless Steel (17-7 type)
Cover Arm	PBT
Cover	PBT
Cover Screw	Nickel-plated brass
Gaskets	Solid Neoprene
Mounting Screws	Stainless Steel (300 Series)
Terminal Screws	Stainless Steel (300 Series)
Phase, Ground Sleeves	Brass
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating

Listed to standard UL1682/CSA C22.2 No. 182.1-02, Plugs, Receptacles and cable connectors of the Pin and Sleeve Type.

UL Classified to IEC Standards 60309-1 (Plugs, Socket Outlets, and Couplers for Industrial Purposes) for Series I (European) rated voltages and services.

When used with cord, these devices require no further investigation by UL for equipment Classification to IEC 435 or IEC 380.

Specifications

Typical Specification	
Manufacturer's Identification	Hubbell HBL520P9W
Description	Plug, Power Supply
Type	3 Pole + Neutral + Earth
Rating	20A, 120/208V AC, 3 Phase WYE
Configuration	UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight
Certification	UL Listed, File E146032 Receptacles and Inlets, E146033 Plugs and Connectors, UL Standard UL1682 and UL 1686C2, CSA Certified File LR280C for Plugs, Connectors Inlets and LR285C for Receptacle CSA StandardC22.2 No. 182.1, UL Classified to IEC 60309-1 IEC 60309-2

PBT is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Performance

Electrical

Dielectric Withstand Voltage	3000V AC.
Max. Working Voltage	600V RMS (i.e., minimum creepage distance 10 millimeters, minimum clearance 8 millimeters, per IEC 60309-1 for devices rated over 500V).
Current Interrupting	Certified for current interrupting at full rated current (Except DC rated devices).
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	5,000 connect and disconnect cycles with load for 16A and 20A, 1,000 cycles with load and 1,000 cycles without load for 30A, 32A, 60A and 63A, and 250 cycles with load and 250 cycles without load for 100A and 125A.

Mechanical

Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682.
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with North American and IEC conventions.
Product Identification	Identification and ratings are a permanent part of the device housing.

Environmental

Moisture Resistance	Watertight per IEC 60309-1.
Ingress Protection	TYPE 4X, 12 and IP69K.
Flammability	V.0.
Operating Temperatures	Maximum Continuous 75°C; Minimum - 40°C without impact.

Materials

Housings	PBT.
All Other Materials	Resistant to corrosion and chemical attack.

Note: Specification sheets for all other Pin and Sleeve catalog numbers are available upon request.

Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

Single Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	HP Rating
20	3	125V	4	**HBL320x4W**	1
20	3	250V	6	**HBL320x6W**	2
20	3	480V	7	**HBL320x7W**	5
20	4	125/250 (208L-L)	12	**HBL420x12W**	2
20	4	125/250 (250L-L)	12	**HBL420x12W**	2
20	4	125/250 (125L-N)	12	**HBL420x12W**	1
30	3	125V	4	**HBL330x4W**	2
30	3	250V	6	**HBL330x6W**	3
30	3	480V	7	**HBL330x7W**	7.5
30	3	550VDC	8	**HBL330X8**	N/A
30	4	125/250 (208L-L)	12	**HBL430x12W**	3
30	4	125/250 (250L-L)	12	**HBL430x12W**	3
30	4	125/250 (125L-N)	12	**HBL430x12W**	2
60	3	125V	4	**HBL360x4W**	2
60	3	250V	6	**HBL360x6W**	3
60	3	480V	7	**HBL360x7W**	7.5
60	3	250VDC	3	**HBL360x3W**	N/A
60	3	550VDC	8	**HBL360x8W**	N/A
60	4	125/250 (208L-L)	12	**HBL460x12W**	3
60	4	125/250 (250L-L)	12	**HBL460x12W**	3
60	4	125/250 (125L-N)	12	**HBL460x12W**	2
100	3	125V	4	**HBL3100x4W**	5
100	3	250V	6	**HBL3100x6W**	15
100	3	480V	7	**HBL3100x7W**	30
100	3	250VDC	3	**HBL3100x3W**	N/A
100	3	550VDC	8	**HBL3100x8W**	N/A
100	4	125/250 (208L-L)	12	**HBL4100x12W**	10
100	4	125/250 (250L-L)	12	**HBL4100x12W**	15
100	4	125/250 (125L-N)	12	**HBL4100x12W**	5

3-Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	HP Rating
20	4	3Ø 250V	9	**HBL420x9W**	5
20	4	3Ø 480V	7	**HBL420x7W**	10
20	4	3Ø 600V	5	**HBL420x5W**	10
20	4	3Ø 380-415V	6	**HBL420x6W**	7.5
20	5	3ØY 120/208V	9	**HBL520x9W**	3
20	5	3ØY 277/480V	7	**HBL520x7W**	10
20	5	3ØY 347/600V	5	**HBL520x5W**	10
20	5	3Ø 240/415V	6	**HBL520x6W**	5
30	4	3Ø 250V	9	**HBL430x9W**	7.5
30	4	3Ø 480V	7	**HBL430x7W**	15
30	4	3Ø 600V	5	**HBL430x5W**	20
30	5	3ØY 120/208V	9	**HBL530x9W**	5
30	5	3ØY 277/480V	7	**HBL530x7W**	15
30	5	3ØY 347/600V	5	**HBL530x5W**	20
30	4	3Ø 380/415V	6	**HBL430x6W**	10
30	5	3Ø 200/346-240/415	6	**HBL530x6W**	10
60	4	3Ø 250V	9	**HBL460x9W**	7.5
60	4	3Ø 480V	7	**HBL460x7W**	20
60	4	3Ø 600V	5	**HBL460x5W**	25
60	4	3Ø 380-415VAC	6	**HBL460x6W**	10
60	5	3ØY 120/208V	9	**HBL560x9W**	7.5
60	5	3ØY 277/480V	7	**HBL560x7W**	20
60	5	3ØY 347/600V	5	**HBL560x5W**	25
60	5	3Ø 200/346-240/415	6	**HBL560x6W**	10
100	4	3Ø 250V	9	**HBL4100x9W**	15
100	4	3Ø 480V	7	**HBL4100x7W**	40
100	4	3Ø 600V	5	**HBL4100x5W**	50
100	4	3Ø 380-415V	6	**HBL4100x6W**	30
100	5	3ØY 200/346-240/415V	6	**HBL5100x6W**	30
100	5	400VDC	8	**HBL5100x8W**	N/A
100	5	3ØY 120/208V	9	**HBL5100x9W**	15
100	5	3ØY 277/480V	7	**HBL5100x7W**	40
100	5	3ØY 347/600V	5	**HBL5100x5W**	50

*Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.*

Features and Benefits

IP67
SUITABILITY

Unfused Circuit-Lock® Pin and Sleeve Mechanical Interlocks

The National Electrical Code (NEC®) requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as "Suitable as Motor Disconnect" if the motor is rated greater than 2 HP.

Hubbell's revolutionary Circuit-Lock interlock incorporates the disconnect switch and receptacle in one compact, non-metallic and economical unit. Removing the plug and locking it out provides a visual means of verifying equipment has been disconnected. All Circuit-Lock mechanical interlocks can be locked out as a method of compliance with the OSHA Lockout/Tagout regulation.

The switch cannot be turned ON until the plug is completely engaged, and the plug cannot be removed until the switch is turned OFF. At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or "lazy" connection. The non-metallic enclosure can be connected to the metallic conduit and not interfere with the ground continuity.

In addition, these horsepower rated units are durable, watertight and easy to install. And they are compatible with IEC 60309-2 plugs. These Circuit-Lock units are available in 20, 30, 60 and 100A models, and in 3, 4 and 5 wire configurations that are designed to the IEC 60309-1 and 60309-2 standards.

Hubbell's Circuit-Lock Mechanical Interlocks are also available in "Reverse Service" versions. These units incorporate the disconnect switch and reverse service receptacle (inlet) in one compact, non-metallic and economical unit. These units are available in 30, 60 and 100A models, 4 wire configurations.

Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically

Interior Design

- Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping
- Horsepower rated disconnect switch handles large motor loads
- DIN rail mounted switch for easy installation and replacement

Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Two-stage interlocking mechanism to help defeat tampering
- Watertight conduit hub and grounding plate for use on metallic conduit (IP67 suitability)

Liftcover

- Replaceable spring-loaded liftcover with gasket for a watertight seal
- Pre-wired IEC Pin and Sleeve receptacle
- Reverse service has dependable solid brass pins for longer life and reliable electrical contact

Identification

- Color coded rating pad and receptacle mount to signify voltage

Installation

- Comes with brass inserts and stainless steel screws for higher torque and better sealing
- Three molded-in conduit drill points are located on top, bottom and back surface of enclosure
- Adjustable mounting feet are ductile to allow mounting on irregular surfaces

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

IP67 SUITABILITY   Enclosure Type 4X, 12

Rating						Unfused Circuit-Lock® Devices		Reverse Service	
Amps	Poles and Wires	Configuration Recep.	Plug	AC Voltage		Mechanical Interlock	Mating Plug	Mechanical Interlock	Mating Plug
20	3P 4W			120/240V	(orange)	HBL420MI12W	HBL420P12W	–	–
	3P 4W			3Ø 240V	(blue)	HBL420MI9W	HBL420P9W	–	–
	3P 4W			3Ø 480V	(red)	HBL420MI7W	HBL420P7W	–	–
	3P 4W			3Ø 600V	(black)	HBL420MI5W	HBL420P5W	–	–
30	2P 3W			120V	(yellow)	HBL330MI4W	HBL330P4W	–	–
	2P 3W			240V	(blue)	HBL330MI6W	HBL330P6W	–	–
	2P 3W			480V	(red)	HBL330MI7W	HBL330P7W	–	–
	3P 4W			120/240V	(orange)	HBL430MI12W	HBL430P12W	–	–
	3P 4W			3Ø 240V	(blue)	HBL430MI9W	HBL430P9W	HBL430MI9WR	HBL430P9WR
	3P 4W			3Ø 480V	(red)	HBL430MI7W	HBL430P7W	HBL430MI7WR	HBL430P7WR
	3P 4W			3Ø 600V	(black)	HBL430MI5W	HBL430P5W	HBL430MI5WR	HBL430P5WR
	4P 5W			3ØY 120/208V	(blue)	HBL530MI9W	HBL530P9W	–	–
	4P 5W			3ØY 277/480V	(red)	HBL530MI7W	HBL530P7W	–	–
	4P 5W			3ØY 347/600V	(black)	HBL530MI5W	HBL530P5W	–	–
32	3P 4W			380V 50HZ-440V 60Hz	(red)	HBL432MI3W	HBL432P3W	–	–
60	2P 3W			120V	(yellow)	HBL360MI4W	HBL360P4W	–	–
	2P 3W			240V	(blue)	HBL360MI6W	HBL360P6W	–	–
	2P 3W			480V	(red)	HBL360MI7W	HBL360P7W	–	–
	3P 4W			120/240V	(orange)	HBL460MI12W	HBL460P12W	HBL460MI12WR	HBL460P12WR
	3P 4W			3Ø 240V	(blue)	HBL460MI9W	HBL460P9W	HBL460MI9WR	HBL460P9WR
	3P 4W			3Ø 480V	(red)	HBL460MI7W	HBL460P7W	HBL460MI7WR	HBL460P7WR
	3P 4W			3Ø 600V	(black)	HBL460MI5W	HBL460P5W	HBL460MI5WR	HBL460P5WR
	4P 5W			3ØY 120/208V	(blue)	HBL560MI9W	HBL560P9W	–	–
	4P 5W			3ØY 277/480V	(red)	HBL560MI7W	HBL560P7W	–	–
	4P 5W			3ØY 347/600V	(black)	HBL560MI5W	HBL560P5W	–	–
100	2P 3W			240V	(blue)	HBL3100MI6W	HBL3100P6W	–	–
	3P 4W			120/240V	(orange)	HBL4100MI12W	HBL4100P12W	HBL4100MI12WR	HBL4100P12WR
	3P 4W			3Ø 240V	(blue)	HBL4100MI9W	HBL4100P9W	HBL4100MI9WR	HBL4100P9WR
	3P 4W			3Ø 480V	(red)	HBL4100MI7W	HBL4100P7W	HBL4100MI7WR	HBL4100P7WR
	3P 4W			3Ø 600V	(black)	HBL4100MI5W	HBL4100P5W	HBL4100MI5WR	HBL4100P5WR
	4P 5W			3ØY 120/208V	(blue)	HBL5100MI9W	HBL5100P9W	–	–

Note: 20, 30 and 32A – 1 inch NPT hub supplied; 60 and 100A – 1¼ inch hub supplied.

HBLAC1

HBLAC2

HBL30RNB

HBL30RGB

MICPK30

CA3430MI

HBL30MIRS

HBLRFT2

Dimensions in Inches (mm)

Auxiliary Contacts for 20, 30, 32, 60 and 100A Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

Ground Block

Description	Catalog Number
For 20, 30 and 32A switches.	**HBL30RGB**
For 60 and 100A switches.	**HBL60100RGB**

Neutral Block

Description	Catalog Number
For 20, 30 and 32A switches.	**HBL30RNB**
For 60A switches.	**HBL60RNB**
For 100A switches.	**HBL100RNB**

Watertight Closure Plug Kits

Description	Catalog Number
For 20, 30 and 32A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK60**

Replacement Flip Covers

Description	Catalog Number
For 20A mechanical interlocks.	**CA420MI**
For 30 and 32A, 3 and 4 wire mechanical interlocks.	**CA3430MI**
For 30A, 5 wire mechanical interlocks.	**CA530MI**
For 60A mechanical interlocks.	**CA60MI**
For 100A mechanical interlocks.	**CA100MI**

Replacement Switches

Description	Catalog Number
For 20A mechanical interlocks.	**HBLDS3RS**
For 30 and 32A mechanical interlocks.	**HBL30MIRS**
For 60 and 100A mechanical interlocks.	**HBLDS60100RS**

Replacement Mounting Feet

Description	Catalog Number
For 20, 30, 32, 60 and 100A mechanical interlocks.	**HBLRFT2***

Dimensions

KEY	20A and 30A Inches (mm)	60A Inches (mm)	100A Inches (mm)
A	7.75" (196.9)	7.75" (196.9)	7.75" (196.9)
B	6.87" (174.5)	6.87" (174.5)	6.87" (174.5)
C	4.75" (120.7)	4.75" (120.7)	4.75" (120.7)
D	1.02" (25.9)	1.02" (25.9)	1.02" (25.9)
E	1.60" (40.6)	1.46" (37.1)	1.46" (37.1)
F	11.00" (279.4)	12.75" (323.9)	12.75" (323.9)
G	8.75" (222.3)	8.75" (222.3)	8.75" (222.3)
H	8.00" (203.2)	9.75" (247.7)	9.75" (247.7)
I	10.12" (257.0)	11.87" (301.5)	11.87" (301.5)
J	6.88" (174.8)	6.88" (174.8)	6.88" (174.8)
K	1.93" (49.0)	2.09" (53.1)	2.09" (53.1)
L	11.25" (285.8)**	13.65" (346.7)	13.65" (346.7)
M	7.75" (196.9)	8.60" (218.4)	9.30" (236.2)
HUB SIZE	1.00" NPT	1.25" NPT	1.25" NPT

Note: *Package of 10 feet and 10 screws.
**30 and 32A, 3 and 4W = 11.50" (292.1);
30A, 5W = 11.59" (294.4).

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com

Typical Specifications

Manufacturer's Identification	Hubbell HBL430MI7W
Description	Circuit-Lock® Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	30A, 480V AC, 3 Phase
Configuration	IEC 60309-2, UL1686 C2, Clock position 7
Enclosure Type	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids)
Ingress Protection	IP67 Suitability
Enclosure Material	Non-metallic, enclosure suitable for metallic conduit
Certification	UL Listed, CSA Certified

Note: This device provides on/off switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the switch is turned "OFF."

Materials

Part	Material	Part	Material
Base	PBT	Top	PBT
Handle	PBT	Conduit Hub	Zinc
Enclosure Gasket	Neoprene	Shaft	PBT
Shaft Seal	Neoprene	Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series	Enclosure Inserts	Brass
Hinge Pins	Nickel Plated Brass	Hinge Spring	Stainless Steel 300 Series

Performance

Electrical

Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle. 20A and 30A models: Suitable for use on a circuit capable of delivering not more than 65,000 RMS symmetrical amperes, 600V when protected by class "J" fuses rated 30A.
Operations	Mechanical 10,000 cycles, electrical 6,000 cycles.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of the external label and molded into the receptacle mount.
Mounting	External adjustable feet.

Environmental

Moisture Resistance	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids).
Ingress Protection	IP69K Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperature	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.

Horsepower Ratings

Amps	AC Voltage Rating	Horsepower	Mechanical Interlock	Mating Plug
20	120/240V AC	2	HBL420MI12W	HBL420P12W
20	3Ø 240V AC	5	HBL420MI9W	HBL420P9W
20	3Ø 480V AC	10	HBL420MI7W	HBL420P7W
20	3Ø 600V AC	10	HBL420MI5W	HBL420P5W
30	120V AC	2	HBL330MI4W	HBL330P4W
30	240V AC	3 (208-240V AC)	HBL330MI6W	HBL330P6W
30	480V AC	7.5	HBL330MI7W	HBL330P7W
30	120/240V AC	3 (208-240V AC)	HBL430MI12W	HBL430P12W
30	3Ø 600V AC	20	HBL430MI5W	HBL430P5W
30	3Ø 480V AC	15	HBL430MI7W	HBL430P7W
30	3Ø 250V AC	7.5	HBL430MI9W	HBL430P9W
30	3ØY 347/600V AC	20	HBL530MI5W	HBL530P5W
30	3ØY 277/480V AC	15	HBL530MI7W	HBL530P7W
30	3ØY 120/208V AC	5	HBL530MI9W	HBL530P9W
32	380V AC 50Hz – 440V AC 60Hz	15 (440V AC 3Ø 60Hz)	HBL432MI3W	HBL432P3W
60	120V AC	3	HBL360MI4W	HBL360P4W
60	240V AC	7.5 (208-240V AC)	HBL360MI6W	HBL360P6W
60	480V AC	20	HBL360MI7W	HBL360P7W
60	120/240V AC	7.5 (208-240V AC)	HBL460MI12W	HBL460P12W
60	3Ø 600V AC	40	HBL460MI5W	HBL460P5W
60	3Ø 480V AC	30	HBL460MI7W	HBL460P7W
60	3Ø 250V AC	15	HBL460MI9W	HBL460P9W
60	3ØY 347/600V AC	40	HBL560MI5W	HBL560P5W
60	3ØY 277/480V AC	30	HBL560MI7W	HBL560P7W
60	3ØY 120/208V AC	15	HBL560MI9W	HBL560P9W
100	240V AC	15 (10 @ 208V AC)	HBL3100MI6W	HBL3100P6W
100	120/240V AC	15	HBL4100MI12W	HBL4100P12W
100	3Ø 600V AC	50	HBL4100MI5W	HBL4100P5W
100	3Ø 480V AC	50	HBL4100MI7W	HBL4100P7W
100	3Ø 250V AC	25 (208-240V AC)	HBL4100MI9W	HBL4100P9W
100	3ØY 120/208V AC	20	HBL5100MI9W	HBL5100P9W

Features and Benefits

IP66
SUITABILITY

Fused Circuit-Lock® Pin and Sleeve Mechanical Interlocks

Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.

It features a high visibility red handle that can be locked in the OFF position to meet OSHA lockout/tagout regulations. The enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's spring-loaded cover with gasket is dust tight and provides a watertight seal when turned and locked.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.

Housing Design
- Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety
- Stainless steel ¼ turn door fasteners for quick, easy access to fuses

Interior Design
- Compact Fused Disconnect Switch accepts **Class "J" fuses**. Fuse holders are top mounted for easy access
- The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers

Safety
- High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a ⁵⁄₁₆ inch padlock shackle
- Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked

Contact Carrier
- Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures
- Thermoset properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength

Enclosure Door
- Removable door for ease of wiring and installation
- Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened

Installation
- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT
- Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces

IP66 SUITABILITY

Enclosure Type 4X, 12

Rating					Fused Circuit-Lock® Devices	
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Mechanical Interlock	Mating Plug
30	3P 4W			120/240V	HBL430MIF12W	HBL430P12W
	3P 4W			3Ø 240V	HBL430MIF9W	HBL430P9W
	3P 4W			3Ø 480V	HBL430MIF7W	HBL430P7W
	3P 4W			3Ø 600V	HBL430MIF5W	HBL430P5W
	4P 5W			3ØY 277/480V	HBL530MIF7W	HBL530P7W
60	3P 4W			120/240V	HBL460MIF12W	HBL460P12W
	3P 4W			3Ø 240V	HBL460MIF9W	HBL460P9W
	3P 4W			3Ø 480V	HBL460MIF7W	HBL460P7W
	3P 4W			3Ø 600V	HBL460MIF5W	HBL460P5W
	4P 5W			3ØY 120/208V	HBL560MIF9W	HBL560P9W

HBL430MIF12W

Gray Style Switch

HBLACFSNO   **HBL30MIFRS**

Black Style Switch

ACFSNO

Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.

Replacement Auxiliary Contacts

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	ACFSNO	HBLACFSNO
Auxiliary contact, normally closed, A600 pilot duty, break before break.	ACFSNC	HBLACFSNC

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble. All new installations are shipped with gray style switch.

Replacement Switches

Description	Gray Style Switch Catalog Number
For 30A fused switches.	HBL30MIFRS
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	HBL60MIFRS

MICPK30

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK60

Replacement Flip Covers

Description	Catalog Number
For 30A, 3 and 4 wire mechanical interlocks.	CA3430MI
For 30A, 5 wire mechanical interlocks.	CA530MI
For 60A mechanical interlocks.	CA60MI

CA3430MI

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	HBLRFT2Δ

Note: ΔPackage of 10 feet and 10 screws.

HBLRFT2

Specifications

Typical Specifications

Manufacturer's Identification	Hubbell HBL460MIF7W
Description	Fused Circuit-Lock Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	60A, 480V AC, 3 Phase
Configuration	IEC 60309-2, UL1686C2, Clock Position 7
Enclosure Type	Indoor and Outdoor - 4X (Watertight, Washdown)
	Indoor - 12 (Dust-tight, Falling dirt)
Certification	UL Listed for US and Canada

Materials

Part	Material
Base and Top	PBT
Handle	PBT
Conduit Hub	Zinc, 30A-1", 60A-1¼" NPT
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel
Mounting Inserts	Brass
Hinge Pin	Nickel-Plated Brass
Hinge Spring	Stainless Steel

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the fuse door opened while the receptacle is energized. The switch cannot be turned on until the plug is inserted properly.

Performance

Electrical

Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle mount and color-coded.
Mounting	External adjustment feet.

Environmental

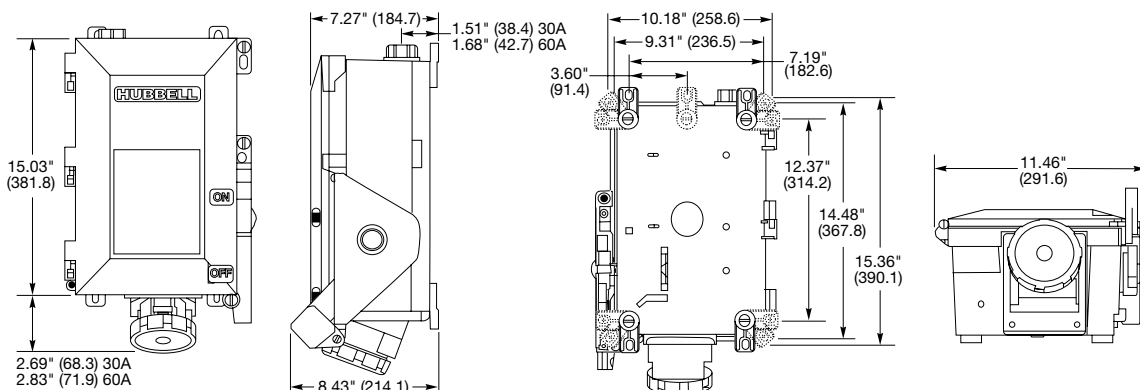|	
Moisture Resistance	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

Amps	AC Voltage Rating	Standard	Maximum**	Mechanical Interlock	Use Pin and Sleeve Plug
30	3Ø 600V AC	7.5	20	**HBL430MIF5W**	**HBL430P5W**
30	3Ø 480V AC	5	15	**HBL430MIF7W**	**HBL430P7W**
30	3Ø 240V	3	7.5	**HBL430MIF9W**	**HBL430P9W**
30	120/240V AC	1.5*	3*	**HBL430MIF12W**	**HBL430P12W**
30	3ØY 277/480V	5	15	**HBL530MIF7W**	**HBL530P7W**
60	3Ø 600V AC	15	50	**HBL460MIF5W**	**HBL460P5W**
60	3Ø 480V AC	15	30	**HBL460MIF7W**	**HBL460P7W**
60	3Ø 240V AC	7.5	15	**HBL460MIF9W**	**HBL460P9W**
60	120/240V AC	3*	10*	**HBL460MIF12W**	**HBL460P12W**
60	3ØY 120/208V	7.5	15	**HBL560MIF9W**	**HBL560P9W**

*Note: *208-240V AC L-L.*
*   **Requires time delay fuses.*

Dimensions

Dimensions in Inches (mm)

Features and Benefits

20 and 30 Amps Low Profile

Hubbell's Low Profile Pin and Sleeve devices were designed to save space without sacrificing pin and sleeve strength, safety and convenience. The small compact design of these plugs is ideal for indoor applications where space is at a premium.

These devices are fully interchangeable with standard IEC 60309 pin and sleeve. They are a perfect fit for tight situations frequently found in hotels, restaurants, convention centers, warehouses, assembly benches and offices.

Housing Design
- Nylon construction, both interior and exterior are made of tough, durable nylon
- Shrouded, recessed pins are protected from impact and abuse

Cord Grip
- Integrated cord grip limits strain on terminals, keeps cord connected

Safety
- Large markings for easy recognition results in ease of wiring on the assembly line or in the field
- Shroud protects personnel from exposure to arcing

Brass Box Terminal
- Permits high clamping pressure on conductors without damaging wire strands for best electrical conductivity
- Solid one-piece pins construction, for long life, reliable electrical contact and maximum conductivity

Identification
- Color coding for quick, easy visual identification of mating devices
- Ratings and certification are molded into the nylon housing for easy identification and reordering

Split Sleeves
- Self-adjusting stainless steel springs assure constant contact pressure (20A and 30A). On 60A devices, Beryllium copper insert with multiple contact points assures easy insertion and a tight fit
- Stainless steel terminal screws resist rust and corrosion

Low Profile Devices

Rating					Devices		Cord Diameter
Amps	Poles and Wires	Configuration Recep./Conn.	Plug/Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
20	3P 4W			3Ø 250V	—	**L420R9**	.350" - .710" (8.3 - 15.9)
30	3P 4W			125/250V	**L430P12**	**L430R12**	.390" - .775" (9.9 - 19.7)
30	3P 4W			3Ø 250V	**L430P9**	**L430R9**	.390" - .775" (9.9 - 19.7)
Amps	Poles and Wires	Configuration Recep./Conn.	Plug/Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
60	3P 4W			3Ø 250V	**A460P9** With Cover: **A460R9KIT**	**A460R9**	.75" - 1.25" (19.1 - 31.8)
Amps	Poles and Wires	Configuration Recep./Conn.	Plug/Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
60	4P 5W			3ØY 120/208V	**A560P9**	**HBL560R9W**	.89" - 1.42" (22.6 - 36.1)
100	4P 5W			3ØY 120/208V	**A5100P9**	**HBL5100R9W**	1.34" - 1.50" (34.0 - 38.1)

Specifications

Electrical

Dielectric Withstand Voltage	3000V AC
Max. Working Voltage	250V RMS
Current Interrupting	Certified for current interruption at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	Up to 5,000 connect and disconnect cycles at full rated current and voltage.

Mechanical

Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL standard 62, CSA C22.2 No. 49 and the <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with North American convention.
Product Identification	Ratings are a permanent part of the device housing.

Environmental

Flammability	HB or better per UL94 or CSA C22.2 No. 0.17
Ingress Protection	IP22 Suitability
Operating Temperatures	Maximum Continuous 75° C; Minimum -40°C without impact

Application Guide

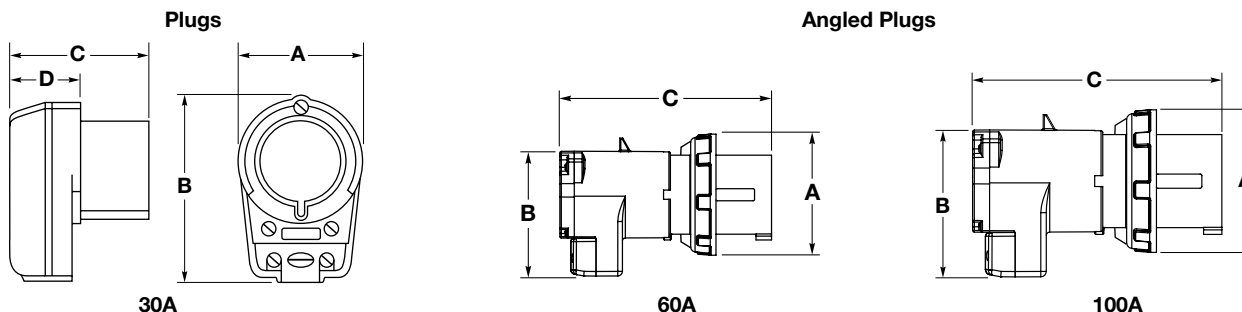|	
Agriculture	Indoor location and maintenance.
Chemical Processing	Indoor location and maintenance.
Construction	Indoors for added safety and abuse resistance.
Entertainment	Indoor location and maintenance.
Food Service	Food service areas where aesthetics and space are concerns.
Light Manufacturing	Indoor locations and maintenance.
Manufacturing	Light assembly areas, stamping operations and maintenance areas.
Military	Warehouse and maintenance areas.

Materials

Plug	Material
Case	PBT
Shroud	PBT
Pin Carrier 20 & 30A	PBT
Pin and Carrier 60A	High-Impact Thermoset
Pins	Brass CDA#360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)

Receptacle	
Body	PBT
Sleeve Carrier 20 & 30A	PBT
Sleeve Carrier 60A	High-Impact Thermoset
Sleeves	Brass CDA #360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)
Adapter Plate 20 & 30A	Galvanized Steel
Adapter Plate 60A	Aluminum
Wall Trim Plate	PBT
Panel Mount Trim Plate	Stainless Steel (300 series)

Note: See page G-29 for product dimensions.

HUBBELL® Wiring Device-Kellems — www.hubbell-wiring.com

Plug Dimensions

Type	A	B	C	D	Cord Range Diameter
L430P12	2.97" (75.4)	4.18" (106.2)	3.50" (88.9)	1.71" (43.4)	.390"-.775" (9.9-19.7)
A460P9	3.38" (85.9)	4.25" (108.0)	7.00" (177.8)	–	.75"-1.25" (19.1- 31.8)
A5100P9	4.92" (125.00)	5.07" (128.81)	8.60" (218.35)	–	1.34"-1.50" (34.0- 38.1)

Plugs

Angled Plugs

30A

60A

100A

Wall Mount Receptacle Dimensions

Type	A	B	C	D	E	F
L420R9	2.60" (66.0)	2.81" (71.4)	2.28" (57.9)	2.38" (60.5)	–	–
L430R12	3.12" (79.2)	3.12" (79.2)	2.77" (70.4)	2.76" (70.1)	–	–
A460R9	4.50" (114.3)	4.50" (114.3)	4.48" (113.8)	–	3.62" (91.9)	.50" (12.7)

Wall Mount Receptacles

20 and 30A

60A

Adapter Plate (Included with "L" and "A" series receptacles)

Panel Cutout

20A
Mounting
2-gang box

30A
Mounting
2-gang box

60A
Mounting
2-gang box
and 4¹¹⁄₁₆" box

20A

30A

Dimensions in Inches (mm)

IEC Pin and Sleeve Terminal Identification – Rear View

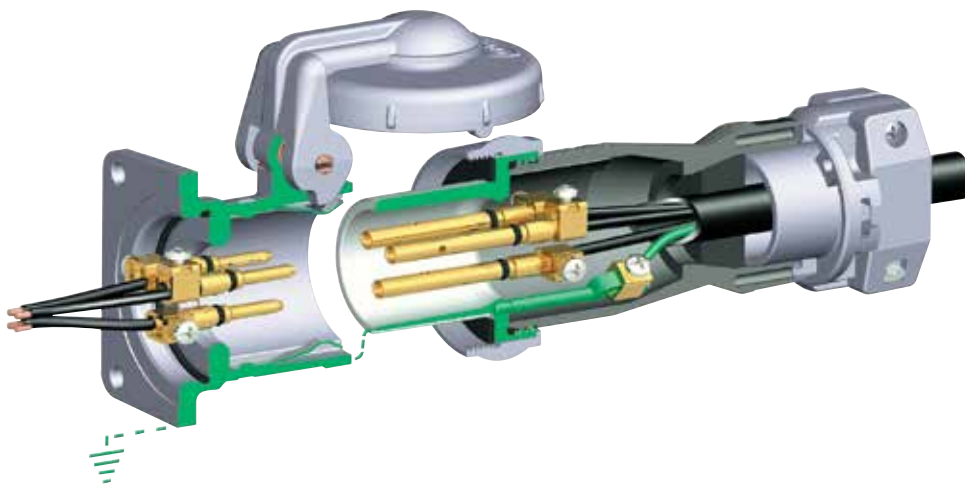| | Rating | | Terminal Marking Pattern* | | | |
| | | | Receptacle and Connector | | Plug and Inlet | |
Description	Domestic	International	Domestic	International	Domestic	International
3 Wire	125V AC 277V AC	100-130V				
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC				
4 Wire	125/250V AC 1ØY 120/208V	—				
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC				
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz				

*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
★*Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.*

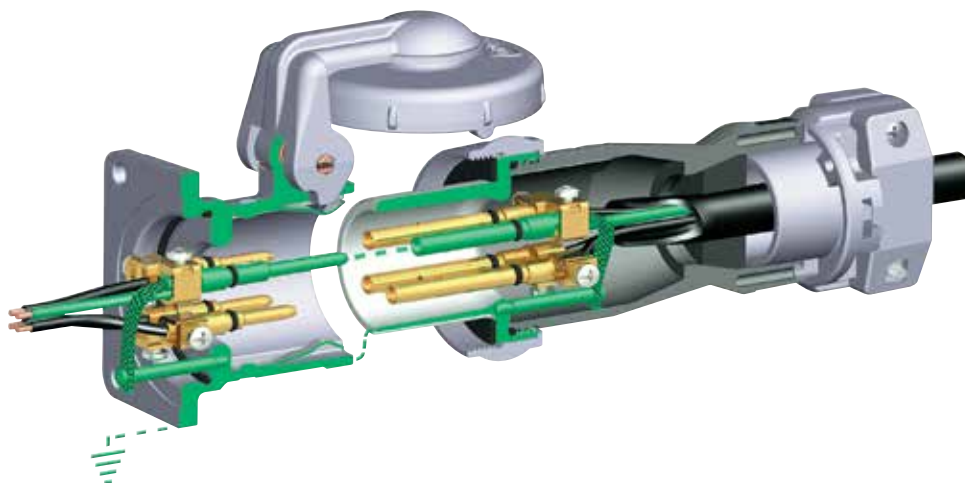**HUBBELL**® **Wiring Device-Kellems**   www.hubbell-wiring.com

Ground Path

To reduce the likelihood of electrical shock, the National Electrical Code requires that non-current carrying metallic components be grounded. Insulgrip Pin and Sleeve wiring devices offer two styles of grounding.

Style I

Receptacles achieve grounding by attaching the ground conductor to the ground screw inside the back box and utilizing the metallic receptacle shell as a ground source (see 3P 4W Style I illustration). Plugs and connectors establish grounding by means of connecting the flexible cable ground conductor to a ground terminal within each device, which, in turn, is grounded through the metallic plug or connector shroud. Any exposed metallic components are suitably grounded in the Style I offering.

Style II

The Style II ground path offers two means of achieving the proper ground path. In addition to utilizing the same grounding method as in the Style I product, the Style II version incorporates a separate ground pin and sleeve (see 3P 4W Style II illustration). This provides a second ground path. The ground pin on Style II devices is longer than other pins, meaning that they "make first" and "break last," assuring protection for people and equipment.
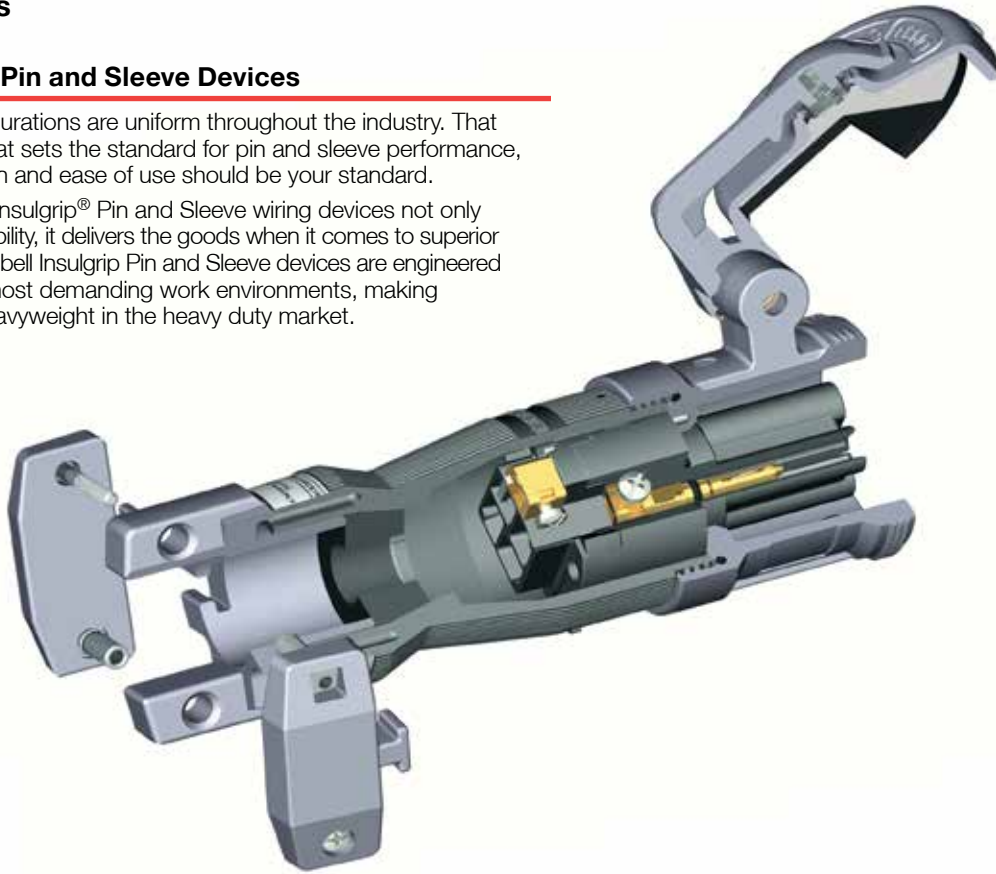
New Pole and Wire Terminology

Style I			Style II		
New	Old	No. of Contacts	New	Old	No. of Contacts
2P 3W	2W 2P	2	2P 3W	2W 3P	3
3P 4W	3W 3P	3	3P 4W	3W 4P	4
4P 5W	4W 4P	4			

Features and Benefits

TYPE 4X

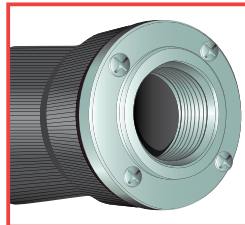### UL 1686 C1 Insulgrip® Pin and Sleeve Devices

UL standard 1686-C1 configurations are uniform throughout the industry. That means Hubbell–the name that sets the standard for pin and sleeve performance, reliability, durability, innovation and ease of use should be your standard.

Hubbell's line of heavy duty Insulgrip® Pin and Sleeve wiring devices not only offers complete interchangeability, it delivers the goods when it comes to superior design and construction. Hubbell Insulgrip Pin and Sleeve devices are engineered and built to handle today's most demanding work environments, making Hubbell the unsurpassed heavyweight in the heavy duty market.

Housing Design
- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments
- Spring-loaded, gasketed cover provides a UL Type 4X watertight, dust-tight seal on connectors and receptacles

Liquidtight Conduit Adapters
- Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector
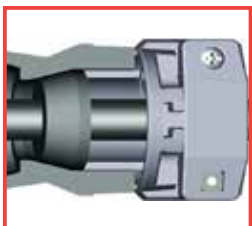
Powerful Mechanical Cord Grip
- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention

Terminal Entrance Holes
- Large, square funneled entrance holes isolate each conductor to protect against shorts due to stray conductor strands
- Tapered hole provides a fast and easy guide into the termination chamber
- Pin chamber confines arcing within the interior chamber during make and break cycle of mating devices, minimizes arc tracking

Watertight Cord Entrance
- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance

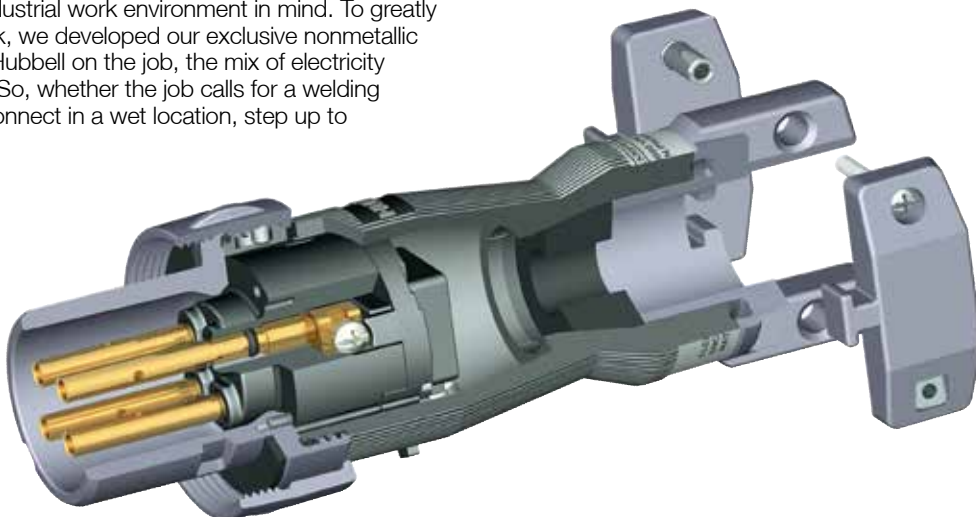### Anti-Vibration Box Terminals
- Interlocking box terminals ensure that terminal screws remain secure and cannot loosen
- The floating box is designed to obtain high-torque values without damaging stranded conductors

Features and Benefits

UL 1686 C1 Insulgrip® Pin and Sleeve Devices

Metallic where you want It, non-metallic where you need it. Different from traditional all-metallic devices, Hubbell Pin and Sleeve wiring devices are designed to provide metallic shrouding where you want it and a non-metallic housing where you need it.

What's more, Hubbell's watertight Insulgrip Pin and Sleeve wiring devices are designed with safety first and foremost. We created the line with plant facility maintenance personnel and a safer industrial work environment in mind. To greatly reduce the likelihood of electrical shock, we developed our exclusive nonmetallic watertight system, meaning that with Hubbell on the job, the mix of electricity and water isn't the threat it once was. So, whether the job calls for a welding outlet in a dry location or a motor disconnect in a wet location, step up to Hubbell Pin and Sleeve wiring devices.

Housing Design

- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments
- Locking ring provides a UL Type 4X watertight and dust-tight seal when the male and female devices are connected

Interior Design

- Sleeve O-ring seal provides a watertight and dust-tight seal around the sleeves. Assures that contamination will not enter wire chamber
- All-brass sleeve contacts provide reliable electrical contact with mating pins, also with minimum heat build-up over time

Product Marking

- Catalog number and rating visible while in use. Markings are color coded differentiating Style I and Style II devices

Shrouded Sleeves

- Housing seal provides a watertight and dust-tight seal when mated with receptacle or connector
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Shroud protects contact sleeves from deforming from physical abuse
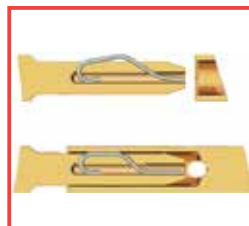
Thermoset Polyester Contact Carrier

- Molded thermoset polyester provides high resistance to electrical tracking
- Withstands higher temperatures which may result from overload or arcing
- Thermoset properties provide dimensional stability for this critical assembly

Beryllium Copper Spring-Pin Design (Patented)

- Maintains high unit pressure on mating sleeves. Ensures reliable electrical contact while minimizing heat rise due to normal pin wear over time

30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz

TYPE 4X**

Rating				Style I Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS1W	HBL330PS1W	HBL330CS1W	IN330FS1	IN330MS1
	3P 4W		600/250	HBL430RS1W	HBL430PS1W	HBL430CS1W	IN430FS1	IN430MS1
	4P 5W		600/250	HBL530RS1W	HBL530PS1W	HBL530CS1W	IN530FS1	IN530MS1
60	2P 3W		600/250	HBL360RS1W	HBL360PS1W	HBL360CS1W	IN360FS1	IN360MS1
	3P 4W		600/250	HBL460RS1W	HBL460PS1W	HBL460CS1W	IN460FS1	IN460MS1
	4P 5W		600/250	HBL560RS1W	HBL560PS1W	HBL560CS1W	IN560FS1	IN560MS1
100	2P 3W		600/250	HBL3100RS1W	HBL3100PS1W	HBL3100CS1W	IN3100FS1	IN3100MS1
	3P 4W		600/250	HBL4100RS1W	HBL4100PS1W	HBL4100CS1W	IN4100FS1	IN4100MS1
	4P 5W		600/250	HBL5100RS1W	HBL5100PS1W	HBL5100CS1W	IN5100FS1	IN5100MS1
200	3P 4W		600/250	HBL4200RS1W	HBL4200PS1W	HBL4200CS1W	IN4200FS1†	IN4200MS1†
	4P 5W		600/250	HBL5200RS1W	HBL5200PS1W	HBL5200CS1W	IN5200FS1†	IN5200MS1†

Rating				Style II Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS2W	HBL330PS2W	HBL330CS2W	IN330FS2	IN330MS2
	3P 4W		600/250	HBL430RS2W	HBL430PS2W	HBL430CS2W	IN430FS2	IN430MS2
60	2P 3W		600/250	HBL360RS2W	HBL360PS2W	HBL360CS2W	IN360FS2	IN360MS2
	3P 4W		600/250	HBL460RS2W	HBL460PS2W	HBL460CS2W	IN460FS2	IN460MS2
100	2P 3W		600/250	HBL3100RS2W	HBL3100PS2W	HBL3100CS2W	IN3100FS2	IN3100MS2
	3P 4W		600/250	HBL4100RS2W	HBL4100PS2W	HBL4100CS2W	IN4100FS2	IN4100MS2
200	2P 3W		600/250	HBL3200RS2W	HBL3200PS2W	HBL3200CS2W	IN3200FS2†	IN3200MS2†
	3P 4W		600/250	HBL4200RS2W	HBL4200PS2W	HBL4200CS2W	IN4200FS2†	IN4200MS2†

Rating				Corrosion Resistant Devices			Accessories	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Back Boxes	Angle Adapter
200	4P 5W		600/250	M5200RS1	M5200PS1	M5200CS1	MB2003W MB2004W	AA20045

*Note: *CAUTION:* To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
**While in use or with cover closed.
†Consult factory.
See page AA-19 for corrosion resistant cord sets.

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Rating				"Reversed Service" Style I Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS1WR	HBL330PS1WR	HBL330CS1WR	IN330MS1	IN330FS1
	3P 4W		600/250	HBL430RS1WR	HBL430PS1WR	HBL430CS1WR	IN430MS1	IN430FS1
	4P 5W		600/250	HBL530RS1WR	HBL530PS1WR	HBL530CS1WR	IN530MS1	IN530FS1
60	2P 3W		600/250	HBL360RS1WR	HBL360PS1WR	HBL360CS1WR	IN360MS1	IN360FS1
	3P 4W		600/250	HBL460RS1WR	HBL460PS1WR	HBL460CS1WR	IN460MS1	IN460FS1
	4P 5W		600/250	HBL560RS1WR	HBL560PS1WR	HBL560CS1WR	IN560MS1	IN560FS1
100	2P 3W		600/250	HBL3100RS1WR	HBL3100PS1WR	HBL3100CS1WR	IN3100MS1	IN3100FS1
	3P 4W		600/250	HBL4100RS1WR	HBL4100PS1WR	HBL4100CS1WR	IN4100MS1	IN4100FS1
	4P 5W		600/250	HBL5100RS1WR	HBL5100PS1WR	HBL5100CS1WR	IN5100MS1	IN5100FS1
200	3P 4W		600/250	HBL4200RS1WR	HBL4200PS1WR	HBL4200CS1WR	IN4200MS1†	IN4200FS1†
	4P 5W		600/250	HBL5200RS1WR	HBL5200PS1WR	HBL5200CS1WR	IN5200MS1†	IN5200FS1†

Rating				"Reversed Service" Style II Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS2WR	HBL330PS2WR	HBL330CS2WR	IN330MS2	IN330FS2
	3P 4W		600/250	HBL430RS2WR	HBL430PS2WR	HBL430CS2WR	IN430MS2	IN430FS2
60	2P 3W		600/250	HBL360RS2WR	HBL360PS2WR	HBL360CS2WR	IN360MS2	IN360FS2
	3P 4W		600/250	HBL460RS2WR	HBL460PS2WR	HBL460CS2WR	IN460MS2	IN460FS2
100	2P 3W		600/250	HBL3100RS2WR	HBL3100PS2WR	HBL3100CS2WR	IN3100MS2	IN3100FS2
	3P 4W		600/250	HBL4100RS2WR	HBL4100PS2WR	HBL4100CS2WR	IN4100MS2	IN4100FS2
200	2P 3W		600/250	HBL3200RS2WR	HBL3200PS2WR	HBL3200CS2WR	IN3200MS2†	IN3200FS2†
	3P 4W		600/250	HBL4200RS2WR	HBL4200PS2WR	HBL4200CS2WR	IN4200MS2†	IN4200FS2†

Rating				"Reversed Service" Corrosion Resistant Devices			Accessories	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Back Boxes	Angle Adapter
200	4P 5W		600/250	M5200BS1R	M5200CS1R	—	MB2003W MB2004W	AA20045

Note: ***CAUTION:** *To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
**While in use or with cover closed.
†Consult factory.
See page AA-19 for corrosion resistant cord sets.

MB30

MB304W

MB601003W

MB601006W

MB2003W

CC3430

ILR1

SAB34

074093403

Insulgrip Pin and Sleeve Metallic Back Boxes

Hubbell manufactures an extensive line of back boxes for use with UL 1686 Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit.

Metallic 30° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 30A devices.	30	¾"	**MB301W**
	30	1"	**MB302W**

Metallic 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 60A devices.	60	1"	**MB601W**
	60	1¼"	**MB602W**
	60	1½"	**MB603W**

Metallic Feed-Thru Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Straight feed-thru box for 30A devices.	30	¾"	**MB303W**
	30	1"	**MB304W**
Straight feed-thru box for 60A devices.	60	1"	**MB604W**
	60	1¼"	**MB605W**
	60	1½"	**MB606W**

Metallic Four-Way Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way 15° angle box for 60 and 100A devices.	60/100	1¼"	**MB601002W**
	60/100	1½"	**MB601003W**
	60/100	2"	**MB601004W**
Four-way 45° angle box for 200A devices.	200	2"	**MB2003W**
	200	2½"	**MB2004W**
45° Angle adapter only for 200A devices.	200	-	**AA20045**

Metallic Four-Way Feed-Thru 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way feed-thru, 15° angle for 60 and 100A devices.	60/100	1¼"	**MB601006W**
	60/100	1½"	**MB601007W**
	60/100	2"	**MB601008W**

*Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

Replacement Cord Clamp and Locking Ring

Description	Used on	Cord Clamp Catalog Number	Locking Ring Catalog Number
Fits all 30A plugs and connectors.	All 3, 4, 5 wire	**CC3430**	**ILR1****
Fits all 60A plugs and connectors.	4 wire (Style 2) and all 5 wire	**CC60**	**ILR2****
	All 3 wire and 4 wire (Style 1)	**CC60**	**ILR3****
Fits all 100A plugs and connectors.	4 wire (Style 2) and all 5 wire	**CC100**	**ILR4****
	All 3 wire and 4 wire (Style 1)	**CC100**	**ILR5****
Fits all 200A plugs and connectors.	All 3, 4, 5 wire	**CC201**	**—**

*Note: **Locking Ring only.*

Liquidtight Adapters

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Hubbell Liquidtight Adapter	Optional Kellems Liquidtight Conduit Grip
30 Amp	½" NPT	**SAB12**	074093402
	¾" NPT	**SAB34**	074093403
	1" NPT	**SAB100**	074093404
60 Amp	1" NPT	**SAC100**	074093404
	1¼" NPT	**SAC125**	074093405
100 Amp	1¼" NPT	**SAD125**	074093405
	1½" NPT	**SAD150**	074093406

HUBBELL® **Wiring Device-Kellems**

www.hubbell-wiring.com

Plug Dimensions

Amps	Type	A Style I	A Style II	B Style I	B Style II	Cord Grip Range
30	330P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)
	430P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)
	530P	7.53" (191)			3.00" (76)	.375-1.20" (9.5-30.5)
60	360P	9.40" (239)	9.40" (239)	3.40" (86)	3.40" (86)	.500-1.45" (12.7-36.8)
	460P	9.40" (239)	9.40" (239)	3.40" (86)	3.70" (94)	.500-1.45" (12.7-36.8)
	560P	9.40" (239)			3.70" (94)	.500-1.45" (12.7-36.8)
100	3100P	10.70" (272)	10.70" (272)	3.70" (94)	3.70" (94)	.925-1.94" (27.0-49.3)
	4100P	10.70" (272)	10.90" (277)	3.70" (94)	4.00" (102)	.925-1.94" (27.0-49.3)
	5100P	10.90" (277)			4.00" (102)	.925-1.94" (27.0-49.3)
200	3200P		11.13" (282)		6.35" (161)	1.00-2.50" (25.4-63.5)
	4200P	11.13" (282)	11.13" (282)	6.35" (161)	6.70" (170)	1.00-2.50" (25.4-63.5)
	5200P	11.13" (282)			6.70" (170)	1.00-2.50" (25.4-63.5)

Connector Body Dimensions

Amps	Type	A Style I	A Style II	B Style I	B Style II	Cord Grip Range
30	330C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
	430C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
	530C	8.38" (213)			3.74" (95)	.375-1.20" (9.5-30.5)
60	360C	9.90" (251)	9.90" (251)	3.50" (89)	3.50" (89)	.500-1.45" (12.7-36.8)
	460C	9.90" (251)	10.10" (256)	3.50" (89)	3.80" (96)	.500-1.45" (12.7-36.8)
	560C	10.10" (256)			3.80" (96)	.500-1.45" (12.7-36.8)
100	3100C	11.70" (297)	11.70" (297)	4.50" (114)	4.50" (114)	.925-1.94" (27.0-49.3)
	4100C	11.70" (297)	11.90" (302)	4.50" (114)	4.70" (119)	.925-1.94" (27.0-49.3)
	5100C	11.90" (302)			4.70" (119)	.925-1.94" (27.0-49.3)
200	3200C		13.65" (346)		7.00 (177)	1.00-2.50" (25.4-63.5)
	4200C	13.65" (346)	13.65" (346)	7.00" (177)	7.39" (187)	1.00-2.50" (25.4-63.5)
	5200C	13.65" (346)			7.39" (187)	1.00-2.50" (25.4-63.5)

Receptacle Dimensions

Amps	Type	A Style I	A Style II	B Style I	B Style II	C Style I	C Style II	D Style I	D Style II	E Style I	E Style II
30	330R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	430R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	530R	2.72" (69)		3.40" (86)		3.89" (99)		3.19" (81)		1.37" (35)	
60	360R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
	460R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
	560R	3.50" (89)		4.25" (108)		4.66" (118)		4.42" (112)		1.54" (39)	
100	3100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
	4100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
	5100R	3.50" (89)		4.25" (108)		4.66" (118)		5.30" (135)		1.54" (39)	
200	3200R		6.50" (165)		7.00" (177)		5.63" (143)		7.76" (197)		.99" (25)
	4200R	6.50" (165)	6.90" (170)	7.00" (177)	7.39" (187)	5.63" (143)	5.63" (143)	7.76" (197)	7.76" (197)	.99" (25)	.99" (25)
	5200R	6.90" (170)		7.39" (187)		5.63" (143)		7.76" (197)		.99" (25)	

30, 60 and 100 Amp

200 Amp

Dimensions in Inches (mm)

Metallic Angle Back Box

Metallic Angle Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
30° Angle back box for 30A devices.	¾"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	**MB301W**
	1"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	**MB302W**
15° Angle back box for 60A devices.	1"	–	4.80" (121.9)	–	–	5.25" (133.4)	2.69" (68.3)	**MB601W**
	1¼"	–	4.80" (121.9)	–	–	5.25" (133.4)	2.69" (68.3)	**MB602W**
	1½"	–	4.80" (121.9)	–	–	5.25" (133.4)	2.69" (68.3)	**MB603W**

Metallic Feed-Thru Back Box

Metallic Feed-Thru Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Back box for 30A devices.	¾"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	–	**MB303W**
	1"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	–	**MB304W**
Back box for 60A devices.	1"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	–	**MB604W**
	1¼"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	–	**MB605W**
	1½"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	–	**MB606W**

Metallic Four-Way Angle Back Box

Metallic Four-Way Angle Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
15° Angle four-way box for 60 and 100A devices.	1¼"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601002W**
	1½"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601003W**
	2"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601004W**
45° Angle four-way box for 200A devices.	2"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	–	**MB2003W**
	2½"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	–	**MB2004W**
45° Angle adapter only for 200A devices.	–	8.00" (203.2)	6.00" (152.4)	7.00" (178.0)	8.00" (203.2)	7.00" (178.0)	–	**AA20045**

Metallic Four-Way Feed-Thru 15º Angle Back Box

Metallic Feed-Thru Angle Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Four-way Feed-thru box for 60 and 100A devices.	1¼"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601006W**
	1½"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601007W**
	2"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601008W**

Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

Materials (30, 60, 100, and 200 Amp)

Plug	Material
Housing	PBT (200A Aluminum)
Plug Shroud	Aluminum
Cord Clamps	PBT (200A Aluminum)
Clamp Nut	Nickel Plated Brass
Gland Cap	PBT
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Sleeves	Brass (M-Series - Nickel-plated tellurium copper)
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Locking Ring	Epoxy Painted Aluminum

Connector Body	
Housing	PBT (200 Amp Aluminum)
Connector Shroud	Epoxy Painted Aluminum
Cord Clamps	PBT
Clamp Nut	Nickel Plated Brass
Gland Cap	PBT (200A Aluminum)
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass (M-Series - Nickel-plated tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum

Receptacle	
Housing/Flange	Epoxy Painted Aluminum
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass (M-Series - Nickel-plated tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Steel
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum

Typical Specification

Manufacturer's ID	Hubbell HBL430PS2W
Description	Plug, Power Supply
Electrical Type	3 Pole + Earth
Max. Rating	30 Amp, 600V AC, 250V DC, 50-400Hz
Configuration	UL 1686, Watertight, C1 Configuration
Certification	UL Listed, UL Standard 1682, UL 50, and UL 1010 (plugs only), CSA Certified to CSA Spec. C22.2 No. 182.1, No. 94 and No. 159 (plugs only), UL Listed and CSA Certified Type 4X

Performance

Electrical

Voltage	30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz
Dielectric Voltage	Withstands 3,000V AC.
Max. Working Voltage	600V AC RMS (i.e., minimum creepage and clearance distance of 6.4 millimeters, per UL 1682).
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current.
Endurance	Up to 1,000 connect and disconnect cycles at full rated current and voltage.

Mechanical

Impact Resistance	Per CSA C22.2, No. 182.1, UL 1682.
Cord Grip Cable Retention	Per CSA C22.2, No. 182.1, UL 1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL. Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with UL 1686 (1, 2, 3, Green).
Product Identification	Identification and ratings are permanently fastened to the device housing.

Environmental

Hose Down & Moisture Resistance	Type 3, 4, 4X per UL 50E and CSA 22.2, No. 94.
Flammability (Enclosure)	UL 94V-0 and CSA C22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C without impact -25° with impact.
Hazardous Location (30, 60 & 100A) (plug only)	Class I, Division I & II, Groups B, C & D and Class II, Division I & II, Groups F & G per UL 1010 & CSA 22.2, No. 159.

Materials

Housings	PBT 357 (200A Aluminum).
All Other Materials	Resistant to corrosion and chemical attack.

Watertight Application Guide

Industry	Watertight.
Agriculture	Outdoor for fans, heaters, pumps, etc.
Chemical Processing	Where subject to water, corrosion.
Construction	Outdoors subject to severe weather conditions.
Entertainment	Outdoors subject to severe weather.
Food Processing	Where subject to water, corrosion.
Food Service	Areas subject to wash downs & heavy cleaning.
Light Manufacturing	Subjected to cleaning, solvents & chemicals.
Manufacturing	Where subject to water, corrosion.
Military	Outdoor construction or maintenance.

Features and Benefits

Style II Insulgrip® Mechanical Interlocks

Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.

It features a high visibility red handle that can be locked to meet OSHA lockout/tagout regulations, and the enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's spring-loaded cover with gasket is dust tight and provides a watertight seal when turned and locked.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.

Housing Design

• Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety. All external hardware is stainless steel
• Stainless steel ¼ turn door fasteners for quick, easy access to fuses

Interior Design

• Compact Fused Disconnect Switch accepts **Class "J" fuses**. Fuse holders are top mounted for easy access
• The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers

Safety

• High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a ⁵⁄₁₆ inch padlock shackle
• Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked

Contact Carrier

• Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures
• Thermoset properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength

Enclosure Door

• Removable door for ease of wiring and installation
• Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened

Installation

• Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT
• Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces

TYPE 4X**

Style II - Fused

Rating				Fused Insulgrip® Mechanical Interlocks	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Mechanical Interlock	Mating Plug
30	3P 4W		600/250	**HBL430MIFS2W**	**HBL430PS2W**
60	3P 4W		600/250	**HBL460MIFS2W**	**HBL460PS2W**

HBL430MIFS2W

Style II - Unfused

Rating				Unfused Insulgrip® Mechanical Interlocks	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Mechanical Interlock	Mating Plug
30	3P 4W		600/250	**HBL430MIS2W**	**HBL430PS2W**
60	3P 4W		600/250	**HBL460MIS2W**	**HBL460PS2W**

Gray Style Switch

HBLACFSNO   **HBL30MIFRS**

Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.
 CAUTION: To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.
 **While in use or with cover closed.

Black Style Switch

ACFSNO

Replacement Auxiliary Contacts

Description	Black Style Switch	Gray Style Switch
Auxiliary contact, normally open, A600 pilot duty, break before break.	**ACFSNO**	**HBLACFSNO**
Auxiliary contact, normally closed, A600 pilot duty, break before break.	**ACFSNC**	**HBLACFSNC**

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble. All new installations are shipped with gray style switch.

Replacement Switches

Description	Gray Style Switch
For 30A fused switches.	**HBL30MIFRS**
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	**HBL60MIFRS**
For 30A unfused switches.	**HBL30MISRS**
For 60A unfused switches. Gray Style switch will retro fit Black Style switch.	**HBL60MISRS**

MICPK30

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK60**

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	**HBLRFT2**Δ

Note: ΔPackage of 10 feet and 10 screws.

HBLRFT2

Typical Specifications

Manufacturer's Identification	Hubbell HBL460MIFS2W
Description	Fused Insulgrip® Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	60A, 250VDC/600VAC
Configuration	Per UL 1686 C1
Enclosure Type (UL 50E)	Indoor & Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust Tight, Falling Dirt)
Ingress Protection	IP66 Suitability
Certification	UL Listed for US and Canada

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the door from opening while the receptacle is energized. The switch cannot be turned on until the plug is fully inserted.

Materials

Part	Material
Base, Door and Handle	PBT
Conduit Hub	Zinc, 30A – 1 in., 60A – 1¼ in. NPT
Enclosure Gasket and Shaft Seal	Neoprene
Shaft and Mounting Inserts	Brass
Ground Plate	Galvanized Steel
Enclosure Screws and Hinge Spring	Stainless Steel
Hinge Pin	Nickel-Plated Brass
Contact Carrier	Thermoset Polyester

Performance

Electrical

Dielectric Voltage	Withstands 3,000VAC Min.
Max. Working Voltage	250VDC/600VAC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle housing.
Mounting	External adjustable feet.

Environmental

Moisture Resistance	Indoor & Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +60°C; Min. Continuous -40°C w/o impact.
UV Resistance	All exposed insulating materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

30A Horsepower Ratings			60A Horsepower Ratings		
3 Phase A.C.	Standard	Maximum*	3 Phase A.C.	Standard	Maximum*
200-240V	3	7.5	200-240V	7.5	15
480V	5	15	480V	15	30
600V	7.5	20	600V	15	50

*Note: *Requires time delay fuses.*

Dimensions

Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

Features and Benefits

Hazardous Location Non-Fused Mechanical Interlocks and Plugs

Hubbell's Hazardous Location Line of Non-Fused UL 1686 Mechanical Interlock Disconnect Switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs.

These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The high visibility handles can be locked out to comply with OSHA lock out/tag out regulations.

VSQ Hazardous Location Ratings
Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones I & 2, Groups IIB+H2, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G)

Housing Design
- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
- Feed-through construction

Internal Design
- Auxiliary contact (late-make early-break) contact rated 10 amp, 1/3 HP at 125/250V AC can be used for operating pilot lights or starter coils
- Internal switch horsepower rated as "suitable as a motor disconnect"

Safety
- Lockable handle to meet OSHA Lockout/Tagout regulations
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power
- Handle mechanism is chemical resistant PBT thermoplastic

Plug Locking Ring
- NEMA 4X environmental rating with cover engaged or when mated with a 4X plug

Mechanism
- Plug and switch are interlocked. Switch cannot be turned ON without fully inserted plug Plug cannot be removed with switch in ON position
- Plug held in place when switch is OFF for convenience. Pull operated release mechanism

Fully Interchangeable
- Product is UL1686 and is fully interchangeable with other UL1686 configured and listed devices

30 and 60 Amp Non-Fused UL1686 Mechanical Interlocks and Plugs

Amp	Circuit	Mechanical Interlock	Metallic Plug	Insulgrip Plug
30 Amp 600V AC	2W 3P	**HBLVSQ3023**	**HBLVP3385**	**HBL330PS2W**
	3W 4P	**HBLVSQ3034**	**HBLVP3485**	**HBL430PS2W**
60 AMP 600V AC	2W 3P	**HBLVSQ6023**	**HBLVP6385**	**HBL360PS2W**
	3W 4P	**HBLVSQ6034**	**HBLVP6485**	**HBL460PS2W**

Note: Early break contact comes standard with mechanical interlocks.
HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x ¾ inch reducers and one ¾ inch close-up plug for maximum flexibility. 60 amp models come with one 1½ inch opening on top and bottom and one 1½ inch close-up plug.

HBLVSQ3034

Horsepower Ratings (VAC)*

Amp	Circuit	120	240	480	600	Catalog Number
30 Amp	1Ø	2	5	10	15	**HBLVSQ3023**
	3Ø	3	7.5	15	20	**HBLVSQ3034**
60 Amp	1Ø	–	10	15	20	**HBLVSQ6023**
	3Ø	–	10	25	30	**HBLVSQ6034**

*Note: *Internal switch only.*

HBLVP3485

HBL430PS2W

Dimensions

Mechanical Interlocks	A	B	C	D	E	F
30A	5.75 (146)	10.50 (267)	9.75 (248)	3.75 (95)	3.13 (79)	8.13 (206)
60A	8.13 (206)	14.16 (360)	11.28 (287)	4.03 (102)	2.50 (64)	11.38 (289)

Plugs	A	B	C	D	E
30A Both	6.69 (170)	3.00 (76)	1.88 (48)	5.38 (137)	2.53 (64)
60A, 3 Pole	8.81 (224)	3.38 (86)	2.25 (57)	6.50 (165)	3.00 (76)
60A, 4 Pole	8.81 (224)	3.69 (94)	2.53 (64)	6.50 (165)	3.00 (76)

Wire Range	30A	60A
Reg. Stranded	#10 – #6	#6 – #4
Extra Flex	#10 – #8	#6 – #4
Grip Range	.55–1.2 (14–30)	.65–1.5 (16–38)

Dimensions in Inches (mm)

Table of Contents

Single Pole Inlines and Receptacles	Spider® II Temporary Power Boxes and Temporary Lighting	Stage Pin and Convention Center Pin and Sleeve Devices

Features and Benefits

Series 15 and 16 - 150, 300 and 400 Amp, 600 Volts

Hubbell Wiring Device–Kellems offers a full line of innovative, high quality, Series 15 and Series 16 single pole inlines, receptacles and accessories for the most demanding environments.

Single pole devices are the right choice for supplying temporary electrical power distribution for entertainment, theme parks, carnival equipment, concerts, movie making and numerous other applications requiring temporary power.

Single pole devices have been designed with ease of assembly and disassembly in mind, no special tools are required. A high strength non-conductive retaining screw is all that is needed to securely lock the contacts to the insulated sleeve.

UL Enclosure Types 3R, 4X and 12 Rating suitable for use in almost any environment.

Housing Design
- Insulgrip® style housing for superior gripping, conforms to the user's hand making it easy to connect and disconnect, even with gloves on
- Easily identifiable cable, cut off points for secure fit allows you to easily customize and cut the housing to the required/correct cable size
- Accommodates wide range of cables

Contacts
- Provides high contact pressure and vibration resistant connection, which helps reduce operating temperatures and extends product life
- High conductivity brass contact provides improved performance by helping to reduce operating temperatures and extends life

Safety
- Rounded corners reduce the possibility of catching or snagging on structures or equipment
- Non-conductive retaining screw locks contacts in place and allows for easy installation; prevents contact movement within housing
- Recessed mounting screw minimizes screwdriver slippage

Assembly
- Special screw thread requires fewer turns than most competitors and reduces the risk of a conductive screw being substituted
- Extra long non-conductive inner sleeve reduces force required to install housing over contacts; easier to rotate contact in body for installing retaining screw

Identification
- Lock symbol aids in the mating of devices and provides a clear indication that the devices are properly connected
- With lock indicator symbol making mating clear and simple; devices can lock 180° to prevent unintended disconnects

Installation
- Engineered body design makes installation simple with no need for additional tools and the non-metallic retaining screw helps to make operation safe for all involved
- Strip gauge molded into every inline and receptacle housing; simplifies installation and saves time

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Series 15 - 150 Amp, 600 Volts

150 Amp Inlines

Description	Color	Male Inline
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black	**HBL15MBK**
	White	**HBL15MW**
	Green	**HBL15MGN**
	Red	**HBL15MR**
	Blue	**HBL15MBL**
	Brown	**HBL15MBN**
	Orange	**HBL15MO**
	Yellow	**HBL15MY**
	Gray	**HBL15MGY**

150 Amp Inlines

Description	Color	Female Inline
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black	**HBL15FBK**
	White	**HBL15FW**
	Green	**HBL15FGN**
	Red	**HBL15FR**
	Blue	**HBL15FBL**
	Brown	**HBL15FBN**
	Orange	**HBL15FO**
	Yellow	**HBL15FY**
	Gray	**HBL15FGY**

Receptacles, Stud Type Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG.	Black	**HBL15MRSBK**	**HBL15FRSBK**
	White	**HBL15MRSW**	**HBL15FRSW**
	Green	**HBL15MRSGN**	**HBL15FRSGN**
	Red	**HBL15MRSR**	**HBL15FRSR**
	Blue	**HBL15MRSBL**	**HBL15FRSBL**
	Brown	**HBL15MRSBN**	**HBL15FRSBN**
	Orange	**HBL15MRSO**	**HBL15FRSO**
	Yellow	**HBL15MRSY**	**HBL15FRSY**
	Gray*	**—**	**—**

*Note: *Gray is available upon request. Contact factory.*

Receptacles, Double Set Screw Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG.	Black	**HBL15MRBK**	**HBL15FRBK**
	White	**HBL15MRW**	**HBL15FRW**
	Green	**HBL15MRGN**	**HBL15FRGN**
	Red	**HBL15MRR**	**HBL15FRR**
	Blue	**HBL15MRBL**	**HBL15FRBL**
	Brown	**HBL15MRBN**	**HBL15FRBN**
	Orange	**HBL15MRO**	**HBL15FRO**
	Yellow	**HBL15MRY**	**HBL15FRY**
	Gray	**HBL15MRGY**	**HBL15FRGY**

Protective Caps

Description	Color	Fits Male Devices	Fits Female Devices
Fits 150 amp inlines and receptacles.	Black	**HBL15MCAPBK**	**HBL15FCAPBK**
	White	**HBL15MCAPW**	**HBL15FCAPW**
	Green	**HBL15MCAPGN**	**HBL15FCAPGN**
	Red	**HBL15MCAPR**	**HBL15FCAPR**
	Blue	**HBL15MCAPBL**	**HBL15FCAPBL**
	**	**—**	**—**

*Note: **Additional colors are available upon request. Contact factory.*

Weather Protective Covers

Description	Color	Catalog Number
Use with stud type or double set screw receptacles.	Clear	**HBL15NCC**
	Black	**HBL15NCBK**
	White	**HBL15NCW**
	Green	**HBL15NCGN**
	Red	**HBL15NCR**
	Blue	**HBL15NCBL**
	Brown	**HBL15NCBN**
	Orange	**HBL15NCO**
	Yellow	**HBL15NCY**

c **UL** US LISTED

Series 15 - 150 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

Tees

Color	Paralleling Tee (Male-Male-Female)	Tapping Tee (Female-Male-Female)
Black	**HBL15PTBK**	**HBL15TBK**
White	**HBL15PTW**	**HBL15TW**
Green	**HBL15PTGN**	**HBL15TGN**
Red	**HBL15PTR**	**HBL15TR**
Blue	**HBL15PTBL**	**HBL15TBL**

Gender Reversing Devices

Color	Double Male (Male-Male)	Double Female (Female-Female)
Black	**HBL15DMBK***	**HBL15DFBK***
White	**HBL15DMW**	**HBL15DFW**
Green	**HBL15DMGN**	**HBL15DFGN**
Red	**HBL15DMR***	**HBL15DFR***
Blue	**HBL15DMBL***	**HBL15DFBL***

*Note: *UL 1691 restricts the use of male-to-male or female-to-female devices to Grounding (Green) or Neutral (White) conductors. Consult factory for availability of other non UL listed colors.*

Replacement Bodies
(25 Pack)

Color	Male Body	Female Body
Black	**HBL15MBBK**	**HBL15FBBK**
White	**HBL15MBW**	**HBL15FBW**
Green	**HBL15MBGN**	**HBL15FBGN**
Red	**HBL15MBR**	**HBL15FBR**
Blue	**HBL15MBBL**	**HBL15FBBL**
**	—	—

*Note: **Additional colors are available upon request. Contact factory.*

Replacement Contacts
(25 Pack)

Description	Male Pin	Female Sleeve
Contact, 150 amp	**HBL15RCM**	**HBL15RCF**

Accessories

Description	Catalog Number
Accessory Kit, retaining screw, copper foil, terminal screws and brass wire.	**HBL15PK**
Replacement retaining screw (100 pack).	**HBL15RS**
Copper foil (100 pack).	**HBL15CF**
Brass wire (100 pack).	**HBL15BW**
Terminal screw - inline (100 pack).	**HBL15TS25**
Terminal screw - panel mount (100 pack).	**HBL15TS375**
Ferrule #2 AWG (100 pack).	**HBL15F2**
Ferrule #4 AWG (100 pack).	**HBL15F4**

HBL15PK

HBL15RS   **HBL15CF**   **HBL15BW**

HBL15TS25   **HBL15TS375**   **HBL15F2**
HBL15F4

Series 15 - 150 Amp, 600 Volts

Specifications

Electrical

Voltage Ratings	600V Maximum
Amperage Rating	150A Maximum

Mechanical

Terminal Accommodation	Inline: #8 AWG to #2 AWG Receptacle: #8 AWG to #2 AWG
Product ID	Ratings are a permanent part of device
Base Compound	Inline: Thermoplastic Elastomer (TPE) Receptacle: Polybutylene Terephthalate (PBT)
Contact Material	Brass
Retaining Screw Material	Nylon

Certification / Environmental

UL and cUL Listed
UL Enclosure Types 3R, 4X, 12
UL1691 standard for single pole locking-type separable connectors
National Electric Code (NEC®), ANSI/NFPA 70
Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•
#8	80
#6	105
#4	140
#2	190

Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

Inlines

	A	B	C	D
Male	4.54" (115.3)	1.04" (26.4)	.86" (21.8)	3.22" (81.7)
Female	4.60" (116.8)	1.11" (28.2)	.68" (17.3)	3.28" (83.2)

Weatherproof Cover

	A	B	C
Series 15	2.03" (51.5)	1.14" (29.0)	1.49" (37.9)

Male Inline

Female Inline

Panel Mount Receptacles

Threaded Stud	A	B	C	D	E	F	Mounting Hole	Termination
Male	1.86" (47.2)	1.37" (34.8)	2.82" (71.6)	.86" (22.0)	.80" (20.4)	1.20" (30.5)	Through 3x Ø .20"	5/16-18 Threaded Stud
Female	1.86" (47.2)	1.37" (34.8)	2.88" (73.1)	.86" (22.0)	.80" (20.4)	1.26" (32.0)	Through 3x Ø .20"	5/16-18 Threaded Stud

Double Set Screw	A	B	C	D	E	F	Mounting Hole	Termination
Male	1.86" (47.2)	1.37" (34.8)	2.90" (73.6)	.86" (22.0)	.88" (22.2)	1.20" (30.5)	Through 3x Ø .20"	(2) 5/32 Socket Head Set Screws
Female	1.86" (47.2)	1.37" (34.8)	2.95" (74.9)	.86" (22.0)	.87" (22.2)	1.26" (32.0)	Through 3x Ø .20"	(2) 5/32 Socket Head Set Screws

Weatherproof Cover

Tees

	A	B	C
Tapping Tee	2.67" (67.9)	4.28" (108.7)	.865" (21.9)
Paralleling Tee	2.67" (67.9)	4.22" (107.2)	.865" (21.9)

Gender Reversing Devices

	A	B	C
Double Male	4.22" (107.2)	.86" (21.8)	—
Double Female	4.22" (107.2)	1.05" (26.7)	.68" (17.3)

Threaded Stud (Male Shown)

Double Set Screw (Male Shown)

Tapping Tee

Paralleling Tee

Gender Reversing - Double Male

Gender Reversing - Double Female

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

cULus LISTED

Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

300 Amp Inlines

Description	Color	Male Inline	Female Inline
300 amp, thermoplastic elastomer, cable size #6 - 2/0 AWG.	Black	**HBL300MBK**	**HBL300FBK**
	White	**HBL300MW**	**HBL300FW**
	Green	**HBL300MGN**	**HBL300FGN**
	Red	**HBL300MR**	**HBL300FR**
	Blue	**HBL300MBL**	**HBL300FBL**
	Brown	**HBL300MBN**	**HBL300FBN**
	Orange	**HBL300MO**	**HBL300FO**
	Yellow	**HBL300MY**	**HBL300FY**
	Gray*	—	—

*Note: *Gray is available upon request. Contact factory.*

Receptacles, Double Set Screw Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines.	Black	**HBLMRBK**	**HBLFRBK**
	White	**HBLMRW**	**HBLFRW**
	Green	**HBLMRGN**	**HBLFRGN**
	Red	**HBLMRR**	**HBLFRR**
	Blue	**HBLMRBL**	**HBLFRBL**
	Brown	**HBLMRBN**	**HBLFRBN**
	Orange	**HBLMRO**	**HBLFRO**
	Yellow	**HBLMRY**	**HBLFRY**
	Gray	**HBLMRGY**	**HBLFRGY**

Receptacles, Stud Type Threaded Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRSCBK**	**HBLFRSCBK**
	White	**HBLMRSCW**	**HBLFRSCW**
	Green	**HBLMRSCGN**	**HBLFRSCGN**
	Red	**HBLMRSCR**	**HBLFRSCR**
	Blue	**HBLMRSCBL**	**HBLFRSCBL**
	Brown	**HBLMRSCBN**	**HBLFRSCBN**
	Orange	**HBLMRSCO**	**HBLFRSCO**
	Yellow	**HBLMRSCY**	**HBLFRSCY**

Receptacles, Stud Type Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRSBK**	**HBLFRSBK**
	White	**HBLMRSW**	**HBLFRSW**
	Green	**HBLMRSGN**	**HBLFRSGN**
	Red	**HBLMRSR**	**HBLFRSR**
	Blue	**HBLMRSBL**	**HBLFRSBL**
	Brown	**HBLMRSBN**	**HBLFRSBN**
	Orange	**HBLMRSO**	**HBLFRSO**
	Yellow	**HBLMRSY**	**HBLFRSY**

400 Amp Inlines

Description	Color	Male Inline	Female Inline
400 amp, thermoplastic elastomer, cable size 2/0 - 4/0 AWG.	Black	**HBL400MBK**	**HBL400FBK**
	White	**HBL400MW**	**HBL400FW**
	Green	**HBL400MGN**	**HBL400FGN**
	Red	**HBL400MR**	**HBL400FR**
	Blue	**HBL400MBL**	**HBL400FBL**
	Brown	**HBL400MBN**	**HBL400FBN**
	Orange	**HBL400MO**	**HBL400FO**
	Yellow	**HBL400MY**	**HBL400FY**
	Gray	**HBL400MGY**	**HBL400FGY**

Angled Receptacles, Double Set Screw Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines.	Black	**HBLMRABK**	**HBLFRABK**
	White	**HBLMRAW**	**HBLFRAW**
	Green	**HBLMRAGN**	**HBLFRAGN**
	Red	**HBLMRAR**	**HBLFRAR**
	Blue	**HBLMRABL**	**HBLFRABL**
	Brown	**HBLMRABN**	**HBLFRABN**
	Orange	**HBLMRAO**	**HBLFRAO**
	Yellow	**HBLMRAY**	**HBLFRAY**
	Gray*	—	—

*Note: *Gray is available upon request. Contact factory.*

Receptacles, Extended Stud Type Threaded Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRSCEBK**	**HBLFRSCEBK**
	White	**HBLMRSCEW**	**HBLFRSCEW**
	Green	**HBLMRSCEGN**	**HBLFRSCEGN**
	Red	**HBLMRSCER**	**HBLFRSCER**
	Blue	**HBLMRSCEBL**	**HBLFRSCEBL**
	Brown	**HBLMRSCEBN**	**HBLFRSCEBN**
	Orange	**HBLMRSCEO**	**HBLFRSCEO**
	Yellow	**HBLMRSCEY**	**HBLFRSCEY**

Angled Receptacles, Stud Type Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRASBK**	**HBLFRASBK**
	White	**HBLMRASW**	**HBLFRASW**
	Green	**HBLMRASGN**	**HBLFRASGN**
	Red	**HBLMRASR**	**HBLFRASR**
	Blue	**HBLMRASBL**	**HBLFRASBL**
	Brown	**HBLMRASBN**	**HBLFRASBN**
	Orange	**HBLMRASO**	**HBLFRASO**
	Yellow	**HBLMRASY**	**HBLFRASY**

Series 16 - 300 and 400 Amp, 600 Volts

**Enclosure Types
3R, 4X, 12**

Receptacles, Bus Bar Threaded Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp	Black	**HBLMRBBK**	**HBLFRBBK**
Panel Mount,	White	**HBLMRBW**	**HBLFRBW**
thermoplastic	Green	**HBLMRBGN**	**HBLFRBGN**
elastomer,	Red	**HBLMRBR**	**HBLFRBR**
mates with 300	Blue	**HBLMRBBL**	**HBLFRBBL**
and 400 amp	Brown	**HBLMRBBN**	**HBLFRBBN**
Inlines.	Orange	**HBLMRBO**	**HBLFRBO**
	Yellow	**HBLMRBY**	**HBLFRBY**

Angled Receptacles, Bus Bar Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp	Black	**HBLMRABBK**	**HBLFRABBK**
Panel Mount,	White	**HBLMRABW**	**HBLFRABW**
thermoplastic	Green	**HBLMRABGN**	**HBLFRABGN**
elastomer,	Red	**HBLMRABR**	**HBLFRABR**
mates with 300	Blue	**HBLMRABBL**	**HBLFRABBL**
and 400 amp	Brown	**HBLMRABBN**	**HBLFRABBN**
Inlines.	Orange	**HBLMRABO**	**HBLFRABO**
	Yellow	**HBLMRABY**	**HBLFRABY**

Receptacles, Bus Bar, 2 Holes Threaded Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp	Black	**HBLMRB2BK**	**HBLFRB2BK**
Panel Mount,	White	**HBLMRB2W**	**HBLFRB2W**
thermoplastic	Green	**HBLMRB2GN**	**HBLFRB2GN**
elastomer,	Red	**HBLMRB2R**	**HBLFRB2R**
mates with 300	Blue	**HBLMRB2BL**	**HBLFRB2BL**
and 400 amp	Brown	**HBLMRB2BN**	**HBLFRB2BN**
Inlines.	Orange	**HBLMRB2O**	**HBLFRB2O**
	Yellow	**HBLMRB2Y**	**HBLFRB2Y**

Terminals, Offset Straight Style

Description	Color	Male Receptacles	Female Receptacles
400 amp	Black	**HBLMOSBK**	**HBLFOSBK**
Terminal,	White	**HBLMOSW**	**HBLFOSW**
thermoplastic	Green	**HBLMOSGN**	**HBLFOSGN**
elastomer,	Red	**HBLMOSR**	**HBLFOSR**
mates with 300	Blue	**HBLMOSBL**	**HBLFOSBL**
and 400 amp	Brown	**HBLMOSBN**	**HBLFOSBN**
Inlines.	Orange	**HBLMOSO**	**HBLFOSO**
	Yellow	**HBLMOSY**	**HBLFOSY**

Note: Terminals are UL Type 1 only.

Angled Terminals, Offset Straight Style

Description	Color	Male Receptacles	Female Receptacles
400 amp	Black	**HBLMOABK**	**HBLFOABK**
Terminal,	White	**HBLMOAW**	**HBLFOAW**
thermoplastic	Green	**HBLMOAGN**	**HBLFOAGN**
elastomer,	Red	**HBLMOAR**	**HBLFOAR**
mates with 300	Blue	**HBLMOABL**	**HBLFOABL**
and 400 amp	Brown	**HBLMOABN**	**HBLFOABN**
Inlines.	Orange	**HBLMOAO**	**HBLFOAO**
	Yellow	**HBLMOAY**	**HBLFOAY**

Note: Angled terminals are UL Type 1 only.

Protective Caps

Color	Fits Male Devices	Fits Female Devices
Black	**HBLMCAPBK**	**HBLFCAPBK**
White	**HBLMCAPW**	**HBLFCAPW**
Green	**HBLMCAPGN**	**HBLFCAPGN**
Red	**HBLMCAPR**	**HBLFCAPR**
Blue	**HBLMCAPBL**	**HBLFCAPBL**
Brown	**HBLMCAPBN**	**HBLFCAPBN**
Orange	**HBLMCAPO**	**HBLFCAPO**
Yellow	**HBLMCAPY**	**HBLFCAPY**

Weather Protective Lift Covers

Color	Catalog Number	All One Color Caps and Bodies
Clear	**HBLNCC**	—
Black	**HBLNCBK**	**HBLNCABK**
White	**HBLNCW**	**HBLNCAW**
Green	**HBLNCGN**	**HBLNCAGN**
Red	**HBLNCR**	**HBLNCAR**
Blue	**HBLNCBL**	**HBLNCABL**
Brown	**HBLNCBN**	**HBLNCABN**
Orange	**HBLNCO**	**HBLNCAO**
Yellow	**HBLNCY**	**HBLNCAY**

c **UL** us LISTED

Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

Tees and 3-Fers

Color	Paralleling Tee (Male-Male-Female)	Tapping Tee (Female-Male-Female)	3-Fer (Male-Female-Female-Female)	3-Fer (Female-Male-Male-Male)	Soft 3-Fer (Male-Female-Female-Female)	Soft 3-Fer (Female-Male-Male-Male)
Black	**HBLPTBK**	**HBLTBK**	**HBLM3FBK**	**HBLF3MBK**	**HBLM3FSBK**	—
White	**HBLPTW**	**HBLTW**	**HBLM3FW**	**HBLF3MW**	—	—
Green	**HBLPTGN**	**HBLTGN**	**HBLM3FGN**	**HBLF3MGN**	—	**HBLF3MSGN**
Red	**HBLPTR**	**HBLTR**	**HBLM3FR**	**HBLF3MR**	—	—
Blue	**HBLPTBL**	**HBLTBL**	**HBLM3FBL**	**HBLF3MBL**	—	—
Brown	**HBLPTBN**	**HBLTBN**	**HBLM3FBN**	**HBLF3MBN**	—	—
Orange	**HBLPTO**	**HBLTO**	**HBLM3FO**	**HBLF3MO**	—	—
Yellow	**HBLPTY**	**HBLTY**	**HBLM3FY**	**HBLF3MY**	—	—

Gender Reversing Devices

Color	Double Male (Male-Male)	Double Female (Female-Female)
Black	**HBLDMBK**	**HBLDFBK**
White	**HBLDMW**	**HBLDFW**
Green	**HBLDMGN**	**HBLDFGN**
Red	**HBLDMR**	**HBLDFR**
Blue	**HBLDMBL**	**HBLDFBL**
Brown	**HBLDMBN**	**HBLDFBN**
Orange	**HBLDMO**	**HBLDFO**
Yellow	**HBLDMY**	**HBLDFY**

Distribution Block

Description	Color	(1-Male, 6-Females)
400 amp Distribution Block, Single Conductor, Heavy Duty Industrial Grade, Pre-Wired, (1) Male to (6) Females.	Black	**HBL7DBBK**
	White	**HBL7DBW**
	Green	**HBL7DBGN**
	Red	**HBL7DBR**
	Blue	**HBL7DBBL**
	Brown	**HBL7DBBN**
	Orange	**HBL7DBO**
	Yellow	**HBL7DBY**

Replacement Bodies (10 Pack)

Color	Male Body	Female Body
Black	**HBLMBBK**	**HBLFBBK**
White	**HBLMBW**	**HBLFBW**
Green	**HBLMBGN**	**HBLFBGN**
Red	**HBLMBR**	**HBLFBR**
Blue	**HBLMBBL**	**HBLFBBL**
Brown	**HBLMBBN**	**HBLFBBN**
Orange	**HBLMBO**	**HBLFBO**
Yellow	**HBLMBY**	**HBLFBY**

Replacement Contacts (20 Pack)

Description	Male Pin	Female Sleeve
Contact, 300 amp	**HBL300RCM**	**HBL300RCF**
Contact, 400 amp	**HBL400RCM**	**HBL400RCF**

Snap Back Covers (3R Only)

Color	Through Hole Mounting	Threaded Mounting Holes
Black	**HBLSCBK**	**HBLSCCBK**
White	**HBLSCW**	**HBLSCCW**
Green	**HBLSCGN**	**HBLSCCGN**
Red	**HBLSCR**	**HBLSCCR**
Blue	**HBLSCBL**	**HBLSCCBL**
Brown	**HBLSCBN**	**HBLSCCBN**
Orange	**HBLSCO**	**HBLSCCO**
Yellow	**HBLSCY**	**HBLSCCY**

Accessories

Description	Catalog Number
Accessory Kit, retaining screw, copper foil, terminal screws and brass wire.	**HBLPK**
Replacement retaining screw (500 pack).	**HBLRS**
Copper foil (500 pack).	**HBLCF**
Brass wire (500 pack).	**HBLBW**
Terminal screw - inline (500 pack).	**HBLTS**
Terminal screw - panel mount (500 pack).	**HBLTSR**

Series 16 - 300 and 400 Amp, 600 Volts

Specifications

Electrical	Series 16
Voltage Ratings	600V AC Maximum 250V DC Maximum
Amperage Rating	400A Maximum

Mechanical	300A	400A
Terminal Accommodation	Inline: #6 to 2/0 AWG	Inline: 2/0 to 4/0 AWG Recept.: #4 to 4/0 AWG
Product ID	Ratings are a permanent part of device	
Base Compound	Thermoplastic Elastomer (TPE)	
Contact Material	Brass	
Retaining Screw Material	Nylon	

Certification / Environmental

UL and cUL Listed
UL Enclosure Types 3R, 4X, 12
UL1691 standard for single pole locking-type separable connectors
National Electric Code (NEC), ANSI/NFPA 70
Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•	Cable Size	Ampacity•
#6	105	2/0	300
#4	140	4/0	405
#2	190		

Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

Inlines

Description	A	B	C	D
Male	7.01" (178.0)	1.38" (35.1)	1.48" (37.6)	4.78" (121.4)
Female	7.10" (180.5)	1.44" (36.6)	1.06" (27.0)	4.90" (121.3)

Inline (Male Shown)

Snap Back Cover

HUBBELL

Threaded Stud (Male Shown)

Mounting Holes

Panel Mount Receptacles

Threaded Stud	A	B	C	D	E	F	G	Mounting Hole	Termination
Male & Female with through hole mounting	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (37.6)	1.25" (31.7)	1.74" (44.2)	Through 4x Ø .20"	1/2-13 UNC-2A Threaded Stud
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.67" (93.2)	1.48" (37.6)	1.11" (28.2)	1.55" (39.4)	Threaded 4x #10-32	1/2-13 UNC-2A Threaded Stud

Double Set Screw	A	B	C	D	E	F	G	Mounting Hole	Termination
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (37.6)	1.36" (34.5)	1.74" (44.2)	Threaded 4x #10-32	(2) 7/32 Socket Head Set Screws

Bus Bar Type	A	B	C	D	E	F	G	Mounting Hole	Termination
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.57" (90.7)	1.48" (37.6)	1.01" (25.7)	1.55" (39.4)	Threaded 4x #10-32	(1) 5/16-18 UNC-2B Threaded Hole

Offset Terminals	A	B	C	D	E	F	Mounting Hole	Termination
Male terminal straight style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.89" (98.8)	1.75" (44.5)	2.14" (54.4)	Through .50" (12.7)	—
Female terminal straight style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.68" (93.3)	1.75" (44.5)	1.93" (48.9)	Through .50" (12.7)	—
Male terminal angled style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.98" (101.1)	2.06" (52.2)	2.14" (54.4)	Through .50" (12.7)	—
Female terminal angled style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.76" (95.6)	2.06" (52.2)	1.93" (48.9)	Through .50" (12.7)	—

Double Set Screw (Male Shown)

Mounting Holes

Bus Bar Type (Male Shown)

Mounting Holes

Offset Terminals (Male Shown)
Straight Style

Mounting Hole

Angled Style

Mounting Hole

Covers

Description	A	B	C
Weatherproof Cover	2.20" (55.88)	1.16" (29.44)	2.03" (51.5)
Snap Back Cover to be used with receptacles	2.26" (57.4)	2.37" (60.2)	—

Gender Reversing Devices

Description	A	B	C
Double Male	4.65" (118.1)	1.48" (37.6)	—
Double Female	4.84" (122.9)	1.44" (36.6)	1.06" (27.0)

Tees and 3-Fers

Description	A	B	C
Tapping Tee	3.18" (80.8)	4.74" (120.4)	1.48" (37.6)
Paralleling Tee	3.18" (80.8)	4.65" (118.1)	1.48" (37.6)
3-Fer	5.88" (149.3)	5.78" (146.9)	1.48" (37.6)

Weatherproof Cover

Gender Reversing - Double Male

Gender Reversing - Double Female

Tapping Tee

Paralleling Tee

3-Fer

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

cULus LISTED

Series 18 - 300 and 400 Amp, 600V AC/250V DC

Enclosure Types
3R, 4X, 12

- Enclosure Types 3R, 4X, 12
- Non-metallic safety retaining screw
- Easy to grip body design
- Accepts #2 to 4/0 AWG wire
- Replacement bodies available
- UL and cULus listed

300 Amp Inlines

Description	Color	Male Inline	Female Inline
Thermoplastic	Black	**HBL18300MBK**	**HBL18300FBK**
elastomer,	White	**HBL18300MW**	**HBL18300FW**
cable size	Green	**HBL18300MGN**	**HBL18300FGN**
#2 - 2/0 AWG.	Red	**HBL18300MR**	**HBL18300FR**
	Blue	**HBL18300MBL**	**HBL18300FBL**
	Brown	**HBL18300MBN**	**HBL18300FBN**
	Orange	**HBL18300MO**	**HBL18300FO**
	Yellow	**HBL18300MY**	**HBL18300FY**

400 Amp Inlines

Description	Color	Male Inline	Female Inline
Thermoplastic	Black	**HBL18400MBK**	**HBL18400FBK**
elastomer,	White	**HBL18400MW**	**HBL18400FW**
cable size	Green	**HBL18400MGN**	**HBL18400FGN**
3/0 - 4/0 AWG.	Red	**HBL18400MR**	**HBL18400FR**
	Blue	**HBL18400MBL**	**HBL18400FBL**
	Brown	**HBL18400MBN**	**HBL18400FBN**
	Orange	**HBL18400MO**	**HBL18400FO**
	Yellow	**HBL18400MY**	**HBL18400FY**

Replacement Bodies (10 Pack)

Description	Color	Male Inline	Female Inline
Thermoplastic	Black	**HBL18MBBK**	**HBL18FBBK**
elastomer.	White	**HBL18MBW**	**HBL18FBW**
	Green	**HBL18MBGN**	**HBL18FBGN**
	Red	**HBL18MBR**	**HBL18FBR**
	Blue	**HBL18MBBL**	**HBL18FBBL**
	Brown	**HBL18MBBN**	**HBL18FBBN**
	Orange	**HBL18MBO**	**HBL18FBO**
	Yellow	**HBL18MBY**	**HBL18FBY**

Accessories

Description	Catalog Number
Series 18, replacement retaining screw (500 pack).	**HBL18RS**
Copper foil (500 pack).	**HBLCF**
Brass wire (500 pack).	**HBLBW**

Specifications

Electrical	Series 18
Voltage Ratings	600V AC Maximum
	250V DC Maximum
Amperage Rating	400A Maximum

Mechanical	300A	400A
Terminal Accommodation	Inline: #2 to 2/0 AWG	Inline: 3/0 to 4/0 AWG
Product ID	Ratings are a permanent part of device	
Base Compound	Thermoplastic Elastomer (TPE)	
Contact Material	Brass	
Retaining Screw Material	Nylon	

Certification / Environmental

Series 18

UL and cULus listed

UL Enclosure Types 3R, 4X, 12

UL 1691 standard for single pole locking-type separable connectors

National Electric Code (NEC), ANSI/NFPA 70

Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•
#2	190
2/0	300
3/0	350
4/0	405

Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

Inlines

Description	A	B	C	D	E	F
Male	6.77" (172.0)	2.06" (52.3)	1.61" (40.9)	1.85" (47.0)	.73" (18.5)	.38" (9.7) (TYP)
Female	6.21" (157.7)	1.50" (38.1)	1.61" (40.9)	1.85" (47.0)	.73" (18.5)	.38" (9.7) (TYP)

Dimensions in Inches (mm)

Inline (Male)

Inline (Female)

Features and Benefits

Spider® II Temporary Power Boxes

Hubbell's Spider® II temporary power distribution system sets the safety and performance standard for temporary power needs. Construction sites and outdoor events place more demands on electrical power than ever before. Hubbell's Spider box steps up to the challenge by offering advanced electrical and safety features. The Spider II box incorporates the most advanced ground fault module technology available in the industry today, ensuring safe and reliable distribution of electrical power for a wide variety of temporary power applications.

Breadth of line and durability, Hubbell manufactures a variety of Spider® II Boxes and temporary power products for both indoor and outdoor power and lighting applications. Hubbell's Spider products incorporate the most innovative wiring devices in the Hubbell Safety-Shroud® Twist-Lock® system. The shrouded Twist-Lock design extends the life of the plug by protecting the blades from abuse and more importantly, the shroud protects the user from arcing.

Housing Design
- Individual GFCI modules
- Gasketed latching receptacle lift covers
- Replaceable legs

Receptacles
- Six 20 amp straight blade or Twist-Lock® watertight receptacles, individually GFCI protected
- All Pin and Sleeve, Twist-Lock® and straight blade receptacles on each Spider box are protected when not in use by a gasketed, spring loaded flip lid

Safety
- Standard stab termination circuit breakers with gasketed lift cover
- Compact electronic supervisory circuit
- Detailed wiring diagram

Inlets
- Available with flush 50 amp Twist-Lock® inlet or 60 amp IEC reversed service Pin and Sleeve receptacle

Environmental Protection
- Spider® II boxes have earned a Type 3R metallic enclosure rating and heavy duty, abuse resistant legs for outdoor rainproof applications
- Provides UL Type 4X rating when the receptacles are used with Watertight Safety-Shroud® Twist-Lock® plugs

Certifications
- Hubbell's Spider® II Boxes meet NEC® requirements for personal protection against electrical shock on job sites and are listed to the latest UL1640 standard for portable power distribution equipment

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

50A and 60A Spider® II Boxes

50A Spider® II

60A Spider® II

60A Class "L" Spider® II

Spider® II Temporary Power Boxes

Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection Overload	Protection GFI	Catalog Number
30A, 120/240V AC (Maximum)	Straight Blade	7	20A, 125V	HBL53R61	Yes	Yes	**SDSB1A**
	Twist-Lock® (inlet)	1	30A, 120/240V	HBL2715SWR	No	No	
	Twist-Lock® (outlet)	1	30A, 120/240V	HBL2710	No	No	
50A, 120/240V AC (Maximum)	Straight Blade	7	20A, 125V	HBL53R61	Yes	Yes	**SBSB1A**
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC (Maximum)	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	**SBSB2**
	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC (Maximum)	Twist-Lock®	7	20A, 125V	HBL2310SW	Yes	Yes	**SBTL1A**
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC (Maximum)	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	**SBTL2**
	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
60A, 3Ø 120/208V AC (Maximum)	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	**SCSB0***
	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	
60A, 3Ø 120/208V AC (Maximum)	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	**SCTL0***
	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	

Class "L" Spider® II Temporary Power Boxes

Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection Overload	Protection GFI	Catalog Number
60A, 3Ø 120/208V AC (Maximum)	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes**	**SCSB0M2**
	Class "L" (inlet)	1	60A, 3ØY, 120/208V	—	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	—	No	No	
60A, 3Ø 120/208V AC (Maximum)	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes**	**SCTL0M2**
	Class "L" (inlet)	1	60A, 3ØY, 120/208V	—	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	—	No	No	

*Note: *60A units are UL and cUL only.*
**GFCI protection on 4 devices only.

Dimensions

13.70" (348.0)

6.13" (155.7)

22.84" (580.1)

18.90" (480.1)

Dimensions in Inches (mm)

Specifications

Spider® II

Listing/Certification	UL1640 cUL and CSA, UL943
Environment	Indoor and outdoor wet and dry locations
Enclosure Type	3R, rainproof, suitable for use in damp locations
Code Compliance	NEC®, ANSI/NFPA 70

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

Temporary Power Accessories

Hubbell's SR50 is comprised of a pre-wired 50A receptacle, mounted in a fully non-metallic watertight FD wall box.

This weather resistant, UL listed, assembly provides significant labor savings for the contractor, because it's pre-wired with a 50A Twist-Lock® receptacle, installation time is significantly reduced. The 4 hole mounting pattern of the new FD box also provides added security for the device.

Cable Sets and Receptacles

Description	Catalog Number
50A pre-wired wall mounted receptacle, with 2 ft. wire leads.	**SR50**
50A cord set - 50 ft. cable (input/output).	**SCB50**
50A cord set - 100 ft. cable (input/output).	**SCB100**
60A cord set - 6 ft. cable (input/output).	**SCC06**
60A cord set - 50 ft. cable (input/output).	**SCC50**
60A, 3Ø 120/208V Pin and Sleeve wall mounted receptacle.	**HBL560R9W**
1¼" hub 15 deg. non-metallic angle back box for 60A receptacle.	**BB601W**
1½" hub 15 deg. metallic 4-way angle back box for 60A receptacle.	**FW60100**

Note: Consult factory for alternate cable lengths.

SR50

Replacement Parts

Description	Catalog Number
20A, 125V straight blade receptacle.	**HBL53R61**
20A, 125V Safety-Shroud Twist-Lock® receptacle.	**HBL2310SW**
30A, 250V Safety-Shroud Twist-Lock® receptacle.	**HBL2620SW**
30A, 125/250V Reverse Service Safety-Shroud connector.	**HBL2713SR**
30A, 125/250V Reverse Service inlet.	**HBL2715SWR**
50A, 125/250V Twist-Lock® receptacle.	**CS6369**
50A, 125/250V Twist-Lock® inlet.	**HBL6375S**
60A, 3Ø 120/208V Pin and Sleeve reversed service receptacle (inlet).	**HBL560B9R**
60A, 3Ø 120/208V Pin and Sleeve receptacle (outlet).	**HBL560R9W**
60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female).	**HBL560P9WR**
60A, 3Ø 120/208V Pin and Sleeve plug (male).	**HBL560P9W**
GFCI module.	**GFM20**
50A Spider supervisory kit.	**SSK**
60A Spider supervisory kit.	**SSK60**
Spider circuit breaker cover.	**SCBC**
Spider leg kit.	**SLK**
Spider leg kit, green.	**SLKG**
50A receptacle cover plate.	**HBL77CM74WO**

SCB50

HBL560R9W

HBL2310SW

SCBC **GFM20** **SSK** **HBL77CM74WO** **CS6369** **HBL2713SR**

Features and Benefits

Temporary Power Distribution Boxes and Temporary Power Cables

- Durable hi-visibility yellow powder coated steel construction
- Hubbell 50 amp Twist-Lock® receptacle and inlet
- Six 20 amp straight blade or Twist-Lock® covered receptacles
- Individual GFCI modules
- NEMA 3R enclosure
- Nesting leg design saves space in the warehouse and on the truck

TPDL – Twist-Lock®
TPDS – Straight Blade

TPC50 – 50' Cable
TPC100 – 100' Cable

HBLCGFM20

Temporary Power Distribution Boxes

Rating	Type	Qty	Receptacle Rating	Protection Overload	GFI	Catalog Number
50A, 120/240V AC (Maximum)	Twist-Lock®	6	20A, 125V	Yes	Yes	**TPDL**
	Twist-Lock®	1	30A, 250V	Yes	No	
	Twist-Lock® (Inlet)	1	50A, 125/250V	No	No	
	Twist-Lock® (Outlet)	1	50A, 125/250V	No	No	
50A, 120/240V AC (Maximum)	Straight Blade	6	20A, 125V	Yes	Yes	**TPDS**
	Twist-Lock®	1	30A, 250V	Yes	No	
	Twist-Lock® (Inlet)	1	50A, 125/250V	No	No	
	Twist-Lock® (Outlet)	1	50A, 125/250V	No	No	
Replacement GFCI module.						**HBLCGFM20**

Temporary Power Cables

Rating	CableType	Length	Male Device	Female Device	Weatherproof Boot	Catalog Number
50A, 125/250V	6/3, 8/1	50 ft.	CS6365L	CS6364L	No	**TPC50**
50A, 125/250V	6/3, 8/1	100 ft.	CS6365L	CS6364L	No	**TPC100**

Specifications

Boxes

Listings/Certifications	UL1640, UL943
Operation	Indoor and outdoor wet and dry locations
Enclosure Type	3R, rainproof, suitable for use in damp locations
Code Compliance	NEC®, ANSI/NFPA 70

Cables

Listings/Certifications	Connectors: UL/CSA; Cable: MSHA
Operation	Indoor and outdoor wet and dry locations

Dimensions

14.50" (368.3)

12.52" (317.9)

10.23" (259.8)

21.50" (546.1)

Inlet

Outlet

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Heavy-Duty Portable Outlet Boxes and Cover Plates

Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	**HBLPOB1**
Box with cord strain relief, with one blank cover plate, black.	**HBLPOB1BK**
Box with cord strain relief, with two duplex (indoor) cover plates.	**HBLPOB1D**
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	**HBLPOB1DY**
Blank, non-metallic FS cover plate with foam gasket, gray.	**HBLP14FS**
Duplex, non-metallic FS cover plate, gray.	**HBLP8FS**
Duplex, non-metallic FS cover plate, yellow.	**HBLP8FSY**
Single receptacle (1.39"), non-metallic FS cover plate, gray.	**HBLP7FS**
Single receptacle (1.56"), non-metallic FS cover plate, gray.	**HBLP720FS**
Rectangular opening, non-metallic FS cover plate, gray.	**HBLP26FS**

HBLPOB1

Other Cover Plates and Devices
which may be used with Heavy-Duty Portable Outlet Boxes

Description	Catalog Number
Duplex cover plate, weatherproof.	**HBL5221, HBL52CM21**
Single receptacle (1.39") cover plate, weatherproof.	**HBL7423WO, HBL74CM23WO**
Single receptacle (1.56") cover plate, weatherproof.	**HBL7425WOA, HBL74CM25WOA**
Safety-Shroud Twist-Lock® surface receptacles.	**HBL2310SR, HBL2320SR, HBL2330SR,**
	HBL2610SR, HBL2620SR

Note: Standard product gray, CM yellow.

Cover Plates

Deluxe Cord Grips Straight Male Thread
Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range		Thread Size	Form	
Inches	(mm)	NPT (inches)	Size	Catalog Number
.375"-.500"	(9.5-12.7)	¾"	F3	**074011335**
.500"-.625"	(12.7-15.9)	¾"	F3	**074011336**
.625"-.750"	(15.9-19.0)	¾"	F3	**074011337**

Gray Nylon Cord Connector Straight Male Thread

Grip Diameter Range		Thread Size	Form	
Inches	(mm)	NPT (inches)	Size	Catalog Number
.375"-.500"	(9.5-12.7)	¾"	F3	**SHC1035CR**
.500"-.625"	(12.7-15.9)	¾"	F3	**SHC1036CR**
.625"-.750"	(15.9-19.0)	¾"	F3	**SHC1037CR**

**Deluxe Cord Grips
(purchased separately)**

Specifications for Heavy-Duty Portable Outlet Boxes and Cover Plates

UL Listed	UL514C, UL467 and UL50 Enclosures Types 1, 3R.
CSA Certified	C22.2 No. 18 and C22.2 No. 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance).

Box Specifications:

Moisture Resistance	Wet and damp locations, enclosure Type 3R when used with weatherproof cover plates; Dry, indoors locations, enclosure Type 1 with all other cover plates
Flammability	UL94V-0, 94-5VA classification
Operating Temperature	80°C maximum; -35°C minimum
UV Resistance	All materials are UV stabilized
Impact and Crush Resistance	In accordance with UL514C, UL50, C22.2 No. 18 and C22.2 No. 94
Material	Valox®
Cord Connector Materials	Nylon nut; nylon Gotcha® ring; neoprene grommet
Cord Diameter Range	.38" to .75" diameter
Bonding Strap Material	Brass
Threaded Inserts	Brass
Grounding Screw Material	Brass
Indoor Cover Plate Screws Material	Zinc plated steel
Outdoor Cover Plate Screws Material	Stainless steel
Cover Plate Gasket Material	UL recognized closed-cell foam (aging and oil resistant)

**Gray Nylon
Cord Connector**

Dimensions

3.18" (80.8) 4.82" (122.4) 2.84" (72.1)

4.20" (106.7) 4.56" (115.8)

5.38" (136.7)

HBLPOB1

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

Construction Site Lighting

Hubbell's outdoor approved construction site lighting line includes both heavy duty metal halide lights and light strings for working in rugged environments. The metal halide fixtures feature extremely strong and compact heads with bulbs rated to last 10,000 hours. All frames are powder-coated yellow for safety and are constructed of a durable 1.25 inch, 12 gauge steel tube.

We have light strings for all applications in a variety of models as well as a choice of metal or plastic guards. Light sockets are spaced 10 feet apart and all sockets, plugs, and connectors are molded for added durability. In addition, the highly impact-resistant material makes for easy transportation and storage when not in use. Bulbs can be incandescent, fluorescent or LED. Consider choosing LED lighting for a durable bulb that saves energy, provides instant illumination and are rated to last 50,000 hours.

HBLMH1000

HBLMHHB400

HBLLEDHB120

HBL182S50LEDH

HBL143SJ100PS

HBLFS2549
Straps not Shown

Metal Halide and LED Lights

Description	Rating	Watts	Lumen Output	Cord Length	Catalog Number
5 -10 ft. metal halide cart light with portable detachable ballast.	15A 125V	1,000	110,000	—	**HBLMH1000**
6 -12 ft. metal halide cart light.	15A 125V	2,000	220,000	—	**HBLMH2000**
High bay metal halide light with wire guard.	15A 125V	400	29,000	3 ft.	**HBLMHHB400**
High bay LED light with wire guard.	15A 125V	120	14,000	5 ft.	**HBLLEDHB120**
	15A 125V	100	12,000	5 ft.	**HBLLEDHB100**
	15A 125V	60	7,200	5 ft.	**HBLLEDHB60**

LED Stringer Lights

Description	No. of Fixtures	Rating	Cord Type	Lumen Output	Cord Length	Catalog Number
90 LEDs per fixture, light string with magnetic base included.	1	15A 125V	#18/2 SJTW	450*	20 ft.	**HBL182S20LED**
90 LEDs per fixture, light string.	5	15A 125V	#18/2 SJTW	450*	50 ft.	**HBL182S50LED**
	10	15A 125V	#18/2 SJTW	450*	100 ft.	**HBL182S100LED**
60 LEDs per fixture, light string with magnetic base included.	1	15A 125V	#18/2 SJTW	1,100*	20 ft.	**HBL182S20LEDH**
	5	15A 125V	#18/2 SJTW	1,100*	50 ft.	**HBL182S50LEDH**
28W High power LED light string with inline ON/OFF switch.	—	15A 125V	#16 AWG SJTOW	2,928	6 ft.	**HBLLS2834**
Magnetic clip bracket for LED light string.						**HBLSTMC**

*Note: *Lumens per fixture.*

A Type (Edison) Twist-Lock® and Straight Blade Light Strings

Description	Max Watts**	Rating	Cord Type	Fixtures	Cord Length	Catalog Number
Twist-Lock® light string; plastic guards.	150	20A 125V	#12/3 STW	10	100 ft.	**HBL123S100PT**
	150	20A 125V	#12/3 STJW	10	100 ft.	**HBL123SJ100PT**
Twist-Lock® light string; metal guards.	150	20A 125V	#12/3 STW	10	100 ft.	**HBL123S100MT**
Straight Blade light string; plastic guards.	150	15A 125V	#14/2 STJW	10	100 ft.	**HBL142SJ100PS**
	150	15A 125V	#14/3 STJW	10	100 ft.	**HBL143SJ100PS**
	150	15A 125V	#12/3 STW	10	100 ft.	**HBL123S100PS**
	150	15A 125V	#12/3 STJW	10	100 ft.	**HBL123SJ100PS**
Straight Blade light string; metal guards.	150	15A 125V	#12/3 STW	10	100 ft.	**HBL123S100MS**
Straight Blade light string; plastic guards.	150	15A 125V	#12/3 STW	5	50 ft.	**HBL123S50PS**
Straight Blade light string; metal guards.	150	15A 125V	#12/3 STW	5	50 ft.	**HBL123S50MS**
Replacement plastic guard for temporary light strings.						**HBLSTPG**
Replacement heavy duty metal guard for temporary light strings.						**HBLSTMG**

*Note: **Max watts per fixture. **HBL143SJ100PS** light strings are rated for 1875 Watts total. The total wattage must be considered when daisy chaining lights strings to each other.*

Fluorescent Light Strings

Description	Wattage	Rating	Cord Type	Lumen Output	Cord Length	Catalog Number
Fluorescent light string, 34.5" single fixture with hanging straps	50	15A 125V	#16 AWG SJTOW	3,750	6 ft.	**HBLFS5035**
Fluorescent light string, 48.5" single fixture with hanging straps	25	15A 125V	#16 AWG SJTOW	2,125	6 ft.	**HBLFS2549**

LED Maintenance Worklights

Description	Outlet Rating	Rating	Wattage	Lumen Output	Cord Type	Cord Length	Catalog Number
LED Industrial maintenance light, 1 vertical hanging hook included.	N/A	15A 125V	20	2400	#16/3 SJEOW	25 ft.	**HBLML2825L**
LED worklight with end light feature.	N/A	15A 125V	9	920/120	#18/2 SJTOW	25 ft.	**HBLWL25LED**
LED worklight with end light feature and tool tap.	12 Amp	15A 125V	9	920/120	#16/3 SJTOW	25 ft.	**HBLWL25LEDT**

HBLML2825L

Fluorescent Maintenance Worklights

Description	Outlet Rating	Rating	Wattage	Lumen Output	Cord Type	Cord Length	Catalog Number
Fluorescent worklight with straight blade plug.	N/A	15A 125V	13	825	#16/3 SJTOW	25 ft.	**TW25F1**
Fluorescent worklight with Twist-Lock® plug and tool tap.	12 Amp	20A 125V	13	825	#16/3 SJTOW	25 ft.	**TW25F2**
Fluorescent maintenance light, 34.5 in., one vertical hanging hook included.	N/A	15A 125V	50	3750	#16/3 SJEOW	25 ft.	**HBLML5025**
Fluorescent maintenance light, 48.5 in.	N/A	15A 125V	25	2125	#16/3 SJEOW	25 ft.	**HBLML2525**
Fluorescent worklight, 45 in., 2 horizontal plastic hangers, 1 attached metal hanging hook included.	N/A	15A 125V	25	2125	#16/3 SJTOW	25 ft.	**HBLWL2525**

HBLWL25LED

TW25F2

Accessories and Replacement Items

Description	Catalog Number
Magnetic mounting bracket for ML style lights, 82 lb. capacity.	**HBLMLMM**
Magnetic mounting bracket for WL style lights, 58 lb. capacity.	**HBLWLMM**
Replacement rough service fluorescent bulb for 13 watt style lamps.	**HBLREPPFB**
Metal halide replacement bulb, 400 watts.	**HBLREP400MH**
Metal halide replacement bulb, 1,000 watts.	**HBLREP1000MH**
Replacement LED panel fixture, 90 LEDs, 450 lumen.	**HBLREP450LED**
5 base LED string only, 50 ft., 18/2.	**HBLREP182S50**
10 base LED string only, 100 ft., 18/2.	**HBLREP182S100**

HBLML5025

HBLMLMM   **HBLSTMC**   **HBLWLMM**   **HBLSTMG**   **HBLSTPG**

HBLWL2525

Explosion Proof/Confined Space Lighting

Hazardous Location Lights

Description	Wattage	Lumen Output	Cord Type	Cord Length	Catalog Number
Fluorescent, Class 1, Div 1 Groups C & D, Class 2, Div 1 Groups F & G, 12V, inline transformer.	26	1800	#16/3 SOW	60 ft.	**HBLXF6012V**
Incandescent, Class 1, Div 1, Groups C & D, 12V, inline transformer.	75	720	#16/3 SOW	60 ft.	**HBLXI6012V**
Fluorescent, Class 1, Div 1 Groups C & D, Class 2, Div 1 Groups F & G, 120V, less plug.	26	1800	#16/3 SOW	50 ft.	**HBLXF50120V**
Incandescent, Class 1, Div 1 Groups C & D, 120V less plug.	100	1230	#16/3 SOW	50 ft.	**HBLXI50120V**
Fluorescent, non-explosion proof, wet location, 12V, inline transformer.	13	825	#18/2 SJTOW	60 ft.	**HBLWT6012V**

HBLXF6012V

HBLXI6012V

HBLWT6012V

Pre-Wired Portable Outlet Boxes, Worklights and Accessories

SPB1

SPB2

TWLV20F

TWH

Pre-Wired Portable Outlet Boxes

Description	Catalog Number
25 ft. with 2-15A, 125V, straight blade single receptacles and 1-15A, 125V straight blade plug and boot.	**SPB1**
25 ft. with 2-20A, 125V, Twist-Lock® single receptacles and 1-20A, 125V Twist-Lock® plug and boot.	**SPB2**

Worklights and Accessories

Description	Catalog Number
Temporary low voltage worklight with cigarette lighter plug, 20 ft. cord.	**TWLV20F**
Non-metallic temporary worklight hook.	**TWH**

Specifications

Temporary Worklights

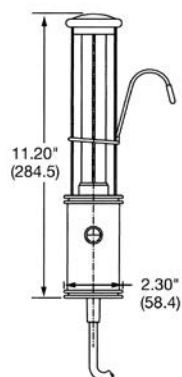|	
Listing/Certification	UL298 and cUL portable electric hand lamps
Environment	Dry, indoor locations
Fluorescent Lamp	13 watt twin tube only

Battery Pack and Charger

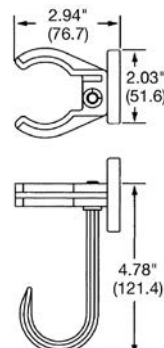|	
Environment	Indoor and outdoor dry locations
Fluorescent Lamp Life	Fully charged-5 hour approx
Charge Time	Fully charged-16 hours approx
Battery Rating	12 volt

Light Fixture

11.20" (284.5)

2.30" (58.4)

Worklight Hook

2.94" (76.7)

2.03" (51.6)

4.78" (121.4)

Dimensions in Inches (mm)

Features and Benefits

20, 60 & 100 Amp Stage Pin Devices

Drawing on over a hundred years of expertise, Hubbell Wiring Device-Kellems sets the standard for innovation, performance, durability, safety and convenience. Our philosophy is never leaving well enough alone. We believe we can always make our products better—and the record shows we have.

When it comes to stage pin products, we listened…

The result is a removable sleeve that is highly heat stable and heat resistant. It does not allow the heat generated at the connection to negatively impact the device. Like phenolic devices of the past, this modern innovation will provide for a cool running device that is simple and convenient to wire.

The super tough engineered thermoplastic enclosure makes the device:
• Lightweight
• Impact resistant
• Easy to handle

Our design delivers 'The Best of Both Worlds!'

Male Inline
(Open to Show Contacts)

Housing Design
• Durable thermoplastic construction is lightweight, highly durable thermoplastic body for maximum impact resistance
• Ergonomic shape for easy insertion and withdrawal from mating devices

Contacts
• High performance brass contacts provide improved performance and extended life by reducing operating temperatures
• Heat resistant sleeves patent pending, highly stable and heat resistant contact shrouds provide phenolic functionality with a modern twist

Safety
• Highly secure terminations, stainless steel double set screws with fine pitch threads maximize termination strength for cooler running connections
• Ring terminal and double set screw termination options are available for 60A and 100A panel mounts

Wiring
• Simplified wiring, with removable contacts that snap back into place for greater wiring flexibility and simplicity
• Adjustable strain relief, accommodates the widest range of cables all in one device while exceeding UL requirements

Single Cable Sets and Breakouts in One Device

Device	Cable Combination		Device	Cable Combination	
60A/125V	(3) #6 SC		100A/125V		
	(6) #6 SC		100A/250V	(2) #4 SC	(1) #6 SC
	(2) #4 SC	(1) #6 SC		(4) #4 SC	(2) #6 SC
	#8/3	TYPE W		(2) #2 SC	(1) #6 SC
	#6/3	SOOW		#6/3 AWG	TYPE W
	#4/3	TYPE W		#4/3 AWG	TYPE W

HBL20SPM

HBL20SPFR

20 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline Male Inline Bulk Pack Male Inline	125V	Double Set Screw	Black Black Clear	**HBL20SPM** **HBL20SPMOEM** **HBL20SPMC**
Female Inline Female Inline Bulk Pack Female Inline	125V	Double Set Screw	Black Black Clear	**HBL20SPF** **HBL20SPFOEM** **HBL20SPFC**
Male Panel Mount (Inlet) Female Panel Mount	125V	Double Set Screw	Black	**HBL20SPMR** **HBL20SPFR**

HBL60SPF

HBL60SPMRRT

60 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline Female Inline	125V	Double Set Screw	Black	**HBL60SPM** **HBL60SPF**
Male Panel Mount	125V	Double Set Screw Ring Terminal	Black	**HBL60SPMR** **HBL60SPMRRT**
Female Panel Mount	125V	Double Set Screw Ring Terminal	Black	**HBL60SPFR** **HBL60SPFRRT**

HBL100SPF

HBL100SPMR

HBL106SPM

HBL106SPFR

100 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline Female Inline	125V	Double Set Screw	Black	**HBL100SPM** **HBL100SPF**
Male Panel Mount	125V	Double Set Screw Ring Terminal	Black	**HBL100SPMR** **HBL100SPMRRT**
Female Panel Mount	125V	Double Set Screw Ring Terminal	Black	**HBL100SPFR** **HBL100SPFRRT**
Male Inline Female Inline	250V	Double Set Screw	Yellow	**HBL106SPM** **HBL106SPF**
Male Panel Mount	250V	Double Set Screw Ring Terminal	Yellow	**HBL106SPMR** **HBL106SPMRRT**
Female Panel Mount	250V	Double Set Screw Ring Terminal	Yellow	**HBL106SPFR** **HBL106SPFRRT**

Features and Benefits

Convention Center Pin and Sleeve Devices

Hubbell's newest offering of 60A, 4P 5W, 277/480V AC, pin and sleeve devices are specifically designed and built to meet the demanding needs of Convention Centers and provide reliable performance for power distribution.

These devices are certified to UL 1682 & UL 2305, with a light-weight, low profile, polycarbonate construction, that mate with the current installed base, and are able to accept both round and flat cable.

Housing Design

- Manufactured in a durable light-weight polycarbonate construction to withstand heavy impact
- Full Line: Plug, Connector, Receptacle, and Inlet
- 60A, 4P 5W, 277/480V AC

Contacts

- Brass pins to maximize conductivity

Safety

- First to mate and last to break ground pin
- Mates with existing installed base

Wiring

- Single device that accepts both round and flat cable

HBL5607P

HBL5607C

HBL5607B

HBL5607R

Convention Center Pin and Sleeve Devices

Description	Catalog Number
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Plug	**HBL5607P**
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Connector	**HBL5607C**
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Inlet	**HBL5607B**
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Receptacle	**HBL5607R**

Specifications

Pole/Wire Configuration	4-pole, 5-wire grounding
Voltage Rating	60A, 277/480V AC
Material	Polycarbonate
Contacts	Brass

Product Dimensions Inches (mm)

Catalog Number	A	B	C	D
HBL5607P	6.36" (161.5)	3.46" (87.9)	—	—
HBL5607C	6.49" (164.8)	3.46" (87.9)	—	—
HBL5607B	3.75" (95.3)	3.37" (85.5)	2.38" (60.3)	3.25" (82.6)
HBL5607R	3.75" (95.3)	3.54" (89.9)	2.38" (60.3)	3.25" (82.6)

SECTION I

Table of Contents

inSIGHT™ Data Monitoring

Asset Monitoring

Features and Benefits

ⁱⁿSIGHT™ Data Monitoring – Pin and Sleeve

Hubbell's Data Monitoring products predicts costly downtime on critical equipment before it happens by transmitting power utilization at point of use.

Hubbell's wireless monitor technology tracks performance indicators including:

- Current
- Voltage
- Power
- Internal device temperature
- Utility, billable grade metering
- Data trending

Intelligence is embedded into a standard Hubbell IEC Pin and Sleeve Device, not visible to users and compatible with any like rated IEC Pin and Sleeve. The wireless mesh network and gateway makes system commissioning and reconfiguration seamless by automatically recognizing new nodes without additional programming.

Technology

- Monitor power at point of use
- All technology is integrated within the device
- Additional nodes connect automatically to the closest node in the network

Communications

- Wireless protocol, self configuring, load balancing mesh network
- Adjacent networks operate independently without data crossing over
- System is easy to install and self configures once powered up

Existing Devices

- Mates to IEC 60309 devices with compatible rating
- UL witnessed IP69k and UL Type 4X and 12. Built to withstand wet and harsh environments

Housing Design

- Self-closing gasketed cover
- Super tough insulated non-metallic housing
- Sequential contact engagement to prevent a momentary over-voltage
- Multi contact spring provides and maintains high unit pressure on mating pins to minimize temperature rise

ⁱⁿSIGHT™ Data Monitoring Pin and Sleeve Devices

Amps	Poles/Wires	Configuration		AC Voltage	Device	Radio Zone 1	Radio Zone 2
60	3P/4W			3Ø 480V	Receptacle	**HBL460R7WDMUS1**	**HBL460R7WDMUS2**
					Connector	**HBL460C7WDMUS1**	**HBL460C7WDMUS2**
60	3P/4W			3Ø 250V	Receptacle	**HBL460R9WDMUS1**	**HBL460R9WDMUS2**
					Connector	**HBL460C9WDMUS1**	**HBL460C9WDMUS2**

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Intelligent Wiring Solutions

Features and Benefits

inSIGHT™ Data Monitoring – Power Cables

Hubbell's Power monitoring cables provide quick plug and play monitoring directly at point of use. The pre-wired monitor transmits power usage directly to a central Gateway without the need for complicated system configuration. Power cables are available in standard amperage and voltage configurations, both single and 3 phase, typically utilized in most Industrial and Data Center facilities.

Power Monitor

- Pre-wired monitor allows for easy plug and play connection
- Monitor measures current and voltage directly at point of usage

Power Cables

- Available in "SG" single phase and "RG" three phase configurations
- Available in 20A, 30A/32A and 50A

Smart Power Cables

Description			Catalog Number
NEMA Smart Power Cable	Single Phase	20A, 120V AC	**HBLSG20L5L5**
		20A, 240V AC	**HBLSG20L6L6**
		30A, 240V AC	**HBLSG30L6L6**
	3 Phase	30A, 120/208V AC	**HBLRG302121**
Smart Power Cable	3 Phase	50A, 240V AC	**HBLRG508365**
IEC Smart Power Cable	3 Phase	32A, 240/415V AC	**HBLRG32532W**

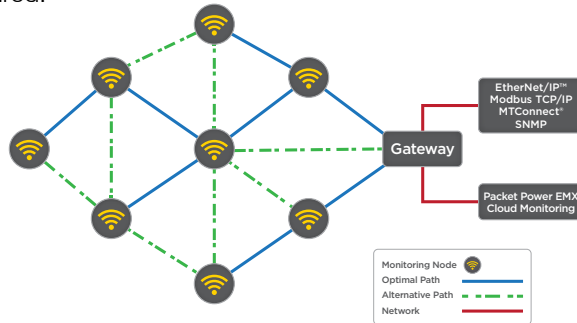## Features and Benefits

Data Monitoring Ethernet Gateways

Hubbell's Ethernet Gateways gather data from all inSIGHT™ data monitoring devices and are the connection point from the wireless to the wired. Data received from monitoring devices is transferred to the users front end dashboard for visual and historical analysis.

Hubbell's wireless mesh network allows for easy installation and implementation. This self adaptive and self communicative technology ensures all data is effectively transmitted back to the gateway. No need to run and connect cables throughout your facility, gateway is hardwired.

Technology
- LCD for status and configuration. LED for general device status
- Wireless firmware updates
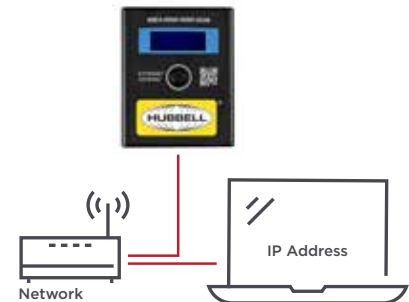- Numerous firmware versions available

Communications
- 860 to 930 MHz and 2.4 GHz. Frequency varies by region
- Typical transmission range, up to 30 meters between any 2 devices in mesh network
- Up to 150 monitoring units per gateway

Housing Design
- Compatible with all Hubbell monitoring units
- Fully enclosed antenna
- NEMA enclosure Type 1, indoor use

Ethernet Gateways

Description	# of Nodes	Radio Zone 1	Radio Zone 2
EMX Gateway	30	HBLGW04000LUS1	HBLGW04000LUS2
	150	HBLGW04000EUS1	HBLGW04000EUS2
Modbus TCPIP Gateway	30	HBLGW0400MLUS1	HBLGW0400MLUS2
	150	HBLGW0400MEUS1	HBLGW0400MEUS2
SNMP Gateway	30	HBLGW0400SLUS1	HBLGW0400SLUS2
	150	HBLGW0400SEUS1	HBLGW0400SEUS2
Ethernet/IP Gateway	30	HBLGW0400ELUS1	HBLGW0400ELUS2
	150	HBLGW0400EEUS1	HBLGW0400EEUS2
MT Connect Gateway	30	HBLGW040MTLUS1	HBLGW040MTLUS2
	150	HBLGW040MTEUS1	HBLGW040MTEUS2

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com
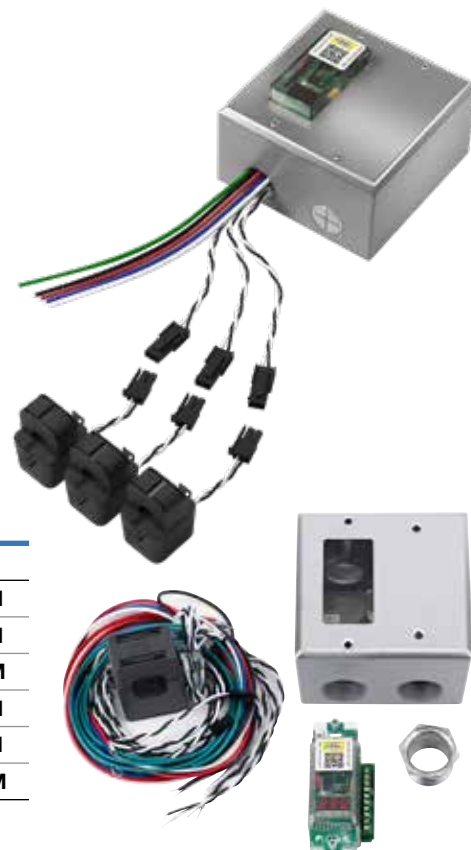
Intelligent Wiring Solutions

Features and Benefits

Data Monitoring Circuit Monitors

Hubbell's Circuit Monitors provide a means to monitor single and three phase circuits in pre-configured enclosure kits. These devices support 38 – 480 Amp applications and connect automatically to Hubbell's self configuring wireless mesh network. These systems allow for easy installation, with split core current transformers that can connect to existing circuits without the need to disconnect power. This real time monitor can help analyze power consumption, balanced loads, cost allocation, and history trends.

Circuit Monitors

Description				Catalog Number
Split Core Circuit Monitor	10MM	Single Phase	38A, 240V AC	**HBLPG003S00010MM**
			63A, 240V AC	**HBLPG006S00010MM**
		3 Phase Wye	38A, 480V AC	**HBLPG003Y0H010MM**
	16MM	3 Phase Delta	120A, 240V AC	**HBLPG010D00016MM**
	24MM	3 Phase Wye	240A, 120/208V-240/415V AC	**HBLPG020Y00024MM**
	36MM	3 Phase Delta	480A, 240V AC	**HBLPG040D00036MM**

Data Monitoring Environmental Monitors

Hubbell's Environmental Monitors can accommodate up to six external temperature probes up to 4 meters in length. Relative humidity sensing, internal to the device, is also available in this Hubbell model. These monitors are part of the same wireless mesh network that other power meters are part of, and communicate directly with the Hubbell Gateway. Each gateway can accept data from up to 150 nodes.

Technology
- LCD for status and configuration. Internal relative humidity sensing
- Wireless firmware updates
- Wireless network protocol - Self configuring, load balancing mesh network

Housing Design
- Local LCD display on HBLE306 models
- Fully enclosed, fixed configuration
- NEMA enclosure Type 1, indoor use

Environmental Monitors

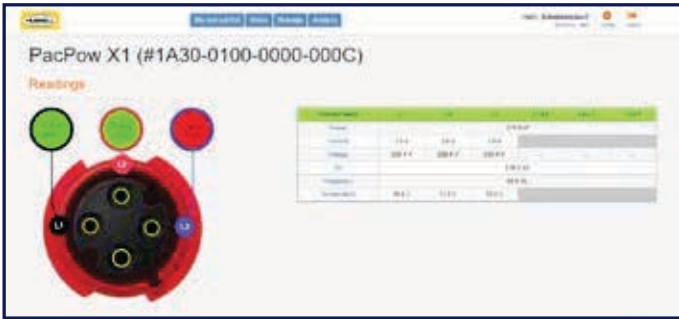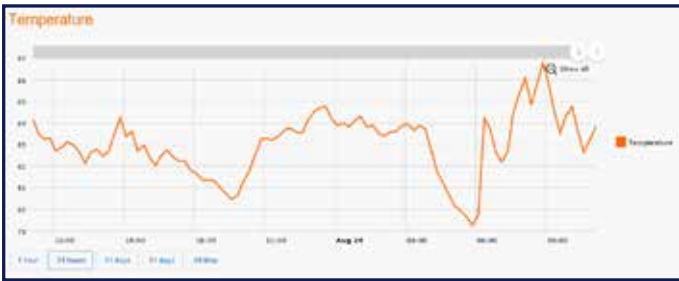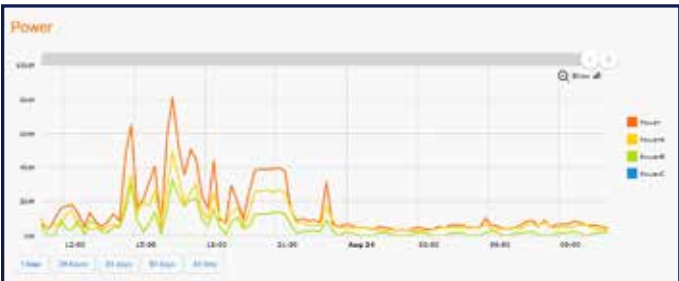| Description		Catalog Number
Environmental Monitor		**HBLE306H000**
Temperature Probe	1 meter	**HBLTPP3001M**
	2 meters	**HBLTPP3002M**
	3 meters	**HBLTPP3003M**
	4 meters	**HBLTPP3004M**

**Compatible
Industrial Protocols**

EMX   MT Connect

Ethernet/IP   SMNP

Modbus TCPIP

Software packages are available upon request, or any customer supplied BMS or DCIM software can be used. Full SNMP and Modbus TCPIP communication is provided by the gateway. Cloud-based service or local software options are available. Programmable data thresholds can be preconfigured to alert users when outputs fall outside of range parameters. Text or email alerts can be sent directly to the responsible party.

Historical data is stored in the software and can be viewed by varying time intervals, such as by month, day or hour. This gives the customer insight to what the power demand, temperature and current have been, and if they have changed over time.

Dashboard displays data sent by the device through the gateway. This example shows one phase of the connector heating up.

Pin and Sleeve - Technical Specifications

Communications		Measurement	
Operating frequency	860 to 930 MHz and 2.4 GHz. Frequency varies by region	Measurements	V, A, W, PF, Temp
Wireless protocol	Self configuring, load balancing mesh network	Accuracy	+/- 1.0%
Wired network protocol	Ethernet with various protocols available	Voltage	250 - 480V AC
Firmware updates	Wireless	Current range	Up to 60A
Typical transmission range	Up to 30 meters between any 2 devices in mesh network	Circuit types	Three phase
Antenna	Fully enclosed		
Monitoring unit to gateway ratio	Up to 150 monitoring units per gateway		
Gateways per site	Unlimited		
Multi-site support	Yes		
Encryption	AES 128-bit		
Compatible devices	All Hubbell monitoring units		

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Ethernet Gateways - Technical Specifications

Communications

Operating frequency	860 to 930 MHz and 2.4 GHz. Frequency varies by region
Wireless protocol	Self configuring, load balancing mesh network
Wired network protocol	Ethernet with various protocols available
Firmware updates	Wireless
Typical transmission range	Up to 30 meters between any 2 devices in mesh network
Antenna	Fully enclosed
Monitoring unit to gateway ratio	Up to 150 monitoring units per gateway
Gateways per site	Unlimited
Multi-site support	Yes
Encryption	AES 128-bit
Compatible devices	All Hubbell monitoring units
Local display	LCD for status and configuration. LED for general device status

Environmental & Mechanical

Operating temperature	32 to 104F (0 to 40C)
Operating humidity	10 to 90% non-condensing
Environmental rating	NEMA enclosure type 1, indoor use
Mounting options	Din rail, screw, cable tie
External power supply	100 to 240V AC input, 50/60 Hz (5V DC) output
Plug types	C14, NEMA 5-15
Power consumption	3W
PoE (Power over Ethernet)	Requires an external PoE splitter
Certifications	FCC, IC, CE

Power Cables - Technical Specifications

Communications		**Measurement**

Operating frequency	860 to 930 MHz and 2.4 GHz. Frequency varies by region	Measurements	V, A, W, Wh, VA, Hz, PF
Wireless protocol	Self configuring, load balancing mesh network	Accuracy	+/- 1.0%
Wired network protocol	Ethernet with various protocols available	Voltage	100 - 480V AC
Firmware updates	Wireless	Current range	Up to 100A
Typical transmission range	Up to 30 meters between any 2 devices in mesh network	Circuit types	Single and three phase
Antenna	Fully enclosed		
Monitoring unit to gateway ratio	Up to 150 monitoring units per gateway		
Gateways per site	Unlimited		
Multi-site support	Yes		
Encryption	AES 128-bit		
Compatible devices	All Hubbell monitoring units		
Local display	LCD for status and configuration. LED for general device status		

Environmental & Mechanical

Operating temperature	20 to 167F (7 to 75C)
Operating humidity	5 to 95% non-condensing
Environmental rating	Not rated
Power consumption	.6W
Certifications	FCC, IC, CE

Circuit and Environmental Monitors - Technical Specifications

Communications

Operating frequency	860 to 930 MHz and 2.4 GHz. Frequency varies by region
Wireless network protocol	Self configuring, load balancing mesh network
Data output (Gateway)	SNMP and Modbus TCPIP protocols with one IP address needed per Gateway.
Firmware updates	Wireless
Typical transmission range	Up to 30 meters between any 2 devices in mesh network
Antenna	Fully enclosed, fixed configuration
Monitoring unit to gateway ratio	Up to 150 monitoring units per gateway
Multi-site support	Yes
Encryption	AES 128-bit
System Status	Local LCD display on HBLE306 models
Radio certifications	FCC, Industry Canada and CE/IEC

Environmental & Mechanical

Operating temperature	Monitoring unit: 32F to 122F (0 to 50C) Temperature probe: -40 to 194F (-40 to 90C)
Operating humidity	10 to 90% non-condensing
Environmental rating	NEMA enclosure type 1, indoor use
External power supply	100 to 240V AC input, 50/60 Hz (5V DC) output; .5W power consumption
Temperature probes length	1 to 4 meters

Features and Benefits

Securely Manage and Control Assets with Ease

Asset Monitoring - RFID Enabled Wiring Devices

Hubbell's RFID enabled wiring devices allows quick and easy scannig of an entire container without having to handle Individual cable sets.

The unique RFID technology is incredibly powerful and accurate. As well, it is integral to the wiring device so it can't easily fall off, get damaged, or be removed.

Combined with a Hubbell recommended middleware solution, integration into inventory management systems is seamless.

Housing Design
- Industrial duty, molded-in RFID tags
- Retrofitable to existing wiring devices
- Tags are virtually hidden inside the device

Existing Devices
- Tags are over molded into strain reliefs that can easily be added to existing devices

RFID Technology
- Tag is powerful enough to read through full baskets of cable
- Works with fixed or portable reader options
- Tags cannot fall off or be easily removed

Tracking Software
- Recommended middleware package available
- Track specific attributes, i.e. color and cable length per asset
- Edit asset conditions and other attributes
- Send alerts when asset leaves inventory location

Cord Clamp Kits
- Kits will include cord clamps, screws and inserts where applicable

Series 16 RFID Enabled
- Available as complete devices or replacement bodies

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Asset Monitoring - RFID Enabled Wiring Devices

RFID Tags are available as a cord clamp kit for Straight Blade, Twist-Lock® and Pin and Sleeve devices. Series 16 Single Pole devices have the RFID tag molded into the body.

- Series 16 Single Pole inline devices (complete device)
- Series 16 replacement bodies
- 15A Insulgrip Straight Blade or Twist-Lock® (cord clamp kit)
- 20A, 30A and 50A Insulgrip® Twist-Lock® (cord clamp kit)
- 60A Pin & Sleeve (cord clamp kit)
- 100A Pin & Sleeve (cord clamp kit)

Colored Cord Clamps available for visible phase and cable length identification

*Other colors available upon request

Insulgrip® Twist-Lock® Kits

Description	Color	Catalog Number
15A & 20A Straight Blade 15A Twist-Lock®	Natural	**HBLRFKIT1**
3 Wire Twist-Lock®	Natural Blue Green Brown	**HBLRFKIT2** **HBLRFKIT2BL** **HBLRFKIT2GN** **HBLRFKIT2BN**
4 & 5 Wire Twist-Lock®	Natural Blue Green Brown Orange	**HBLRFKIT3** **HBLRFKIT3BL** **HBLRFKIT3GN** **HBLRFKIT3BN** **HBLRFKIT3O**
50 Amp Cord Clamp	Natural	**CSRFKIT**

Pin and Sleeve Kits

Description	Catalog Number
60A	**HBL60RFKIT**
100A	**HBL100RFKIT**

Note: Kits will include cord clamps, screws and inserts where applicable.

Series 16 RFID Enabled Single Pole Devices

Description	Color	Male	Female
300A	Black	**HBLRF300MBK**	**HBLRF300FBK**
	White	**HBLRF300MW**	**HBLRF300FW**
	Green	**HBLRF300MGN**	**HBLRF300FGN**
	Blue	**HBLRF300MBL**	**HBLRF300FBL**
	Red	**HBLRF300MR**	**HBLRF300FR**
	Brown	**HBLRF300MBN**	**HBLRF300FBN**
	Orange	**HBLRF300MO**	**HBLRF300FO**
	Yellow	**HBLRF300MY**	**HBLRF300FY**
400A	Black	**HBLRF400MBK**	**HBLRF400FBK**
	White	**HBLRF400MW**	**HBLRF400FW**
	Green	**HBLRF400MGN**	**HBLRF400FGN**
	Blue	**HBLRF400MBL**	**HBLRF400FBL**
	Red	**HBLRF400MR**	**HBLRF400FR**
	Brown	**HBLRF400MBN**	**HBLRF400FBN**
	Orange	**HBLRF400MO**	**HBLRF400FO**
	Yellow	**HBLRF400MY**	**HBLRF400FY**

Series 16 Replacement Bodies

Description	Color	Male	Female
300A or 400A	Black	**HBLRFMBBK**	**HBLRFFBBK**
	White	**HBLRFMBW**	**HBLRFFBW**
	Green	**HBLRFMBGN**	**HBLRFFBGN**
	Blue	**HBLRFMBBL**	**HBLRFFBBL**
	Red	**HBLRFMBR**	**HBLRFFBR**
	Brown	**HBLRFMBBN**	**HBLRFFBBN**
	Orange	**HBLRFMBO**	**HBLRFFBO**
	Yellow	**HBLRFMBY**	**HBLRFFBY**

Asset Monitoring - Additional Information

Fixed or Portable Reader Options

- Fixed antenna can scan through full baskets of cable sets

- Handheld reader allows for individual or bulk scanning

- Pre-programmed screens allow easy data collection

  - Receive items into inventory

  - Check out items for specific jobs or rental locations

  - Check in items to ensure all assets are accounted for

  - Change status and condition of each asset

- Upload asset information to existing inventory management systems

Note: Reader hardware and software are not sold by Hubbell, but can be purchased by a third party. Please contact a Hubbell representative for more information.

RFID Tags

Hubbell utilizes an industrial grade, passive RFID tag. Passive RFID tags do not require a battery. Radio waves from the reader activate the RFID tag, thus inducing a current in the RFID's antenna. Typical read range can go up to 4 feet from a handheld, to 10 feet from a fixed antenna.

LINKOSITY®
Power Components

MotorQuick®
Disconnect Switches

DRUB and PANEL-SAFE®

c **UL** us LISTED **CE**

LINKOSITY®

Cables and Receptacles - Power Components

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
  PH = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)*	**20** = 20A up to 600V	**02** **03** **04** **05**	**PA** = Green/Yellow Black (all others)	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and #10 AWG super neutral conductor on 5 and 6 wire devices, PB color code only)	**03** **04** **05** **06**	**PB** = Green/Yellow White Black (all others) **PE** = All Blue***	
	30 = 30A up to 600V	**04**		

Example: PH   23   06   PB   005

Note: *½" NPT rear thread.
      **Other color codes available upon request.
      ***Two wire only.

Configurations (Male face view shown, female view is opposite)

20 AMP				
20A SNIG (with super neutral and IG)				
30 AMP				

Tees

TX2304002304T00

Description	Catalog Number
LINKOSITY® M/F/F Tee, 20A, 2P	**TX2002002002T00**
LINKOSITY® M/F/F Tee, 20A, 3P	**TX2003002003T00**
LINKOSITY® M/F/F Tee, 20A, 4P	**TX2004002004T00**
LINKOSITY® M/F/F Tee, 20A, 5P	**TX2005002005T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	**TX2304002304T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	**TX2306002306T00**
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	**TX2306002304A00**
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	**TX2306002304B00**
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	**TX2306002304C00**
LINKOSITY® M/F/F Tee, 30A, 4P	**TX3004003004T00**

Closure Caps

CCMBC

Description	For use with	
	Female Receptacle	Male Inlet
20A and 30A Receptacle Closure Cap	**CCMBC**	**CCFBC**

c(UL)us LISTED

LINKOSITY®

Cables and Receptacles - Control Integration Components

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)*	**03** = 3A - 2W, 3W 3A - 4W up to 300V	**02** **03** **04**	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue***	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	R3 = 3A - 2W, 3W 3A - 4W up to 300V	**02** **03** **04**		
	10 = 10A - 2W, 3W 10A - 4W 10A - 5W, 6W, 7W 10A - 8W, 9W 7A - 10W, 12W up to 600V	**02** **03** **04** **05** **06** **07** **08** **09** **10** **12**		

Example: PH	10	06	PB	005

*Note: *½" NPT rear thread.*
**Other color codes available upon request.
***Two wire only.

Configurations (Male face view shown, female view is opposite)

03		Typically used for inputs in DC control circuits
R3*		Typically used for outputs in DC control circuits
10		

*Note: *Reverse key.*

Splitters/Tees

Description	Catalog Number
LINKOSITY® M/F/F Splitter, 3A/4W	**TX0304000304T00**
LINKOSITY® M/F/F Tee, 10A, 2 Pole	**TX1002001002T00**
LINKOSITY® M/F/F Tee, 10A, 3 Pole	**TX1003001003T00**
LINKOSITY® M/F/F Tee, 10A, 4 Pole	**TX1004001004T00**
LINKOSITY® M/F/F Tee, 10A, 5 Pole	**TX1005001005T00**
LINKOSITY® M/F/F Tee, 10A, 6 Pole	**TX1006001006T00**

TX1004001004T00

Closure Caps

Description	For use with Female Receptacle	Male Inlet
3A Closure Cap	**CCM1C**	**CCF1C**
10A Closure Cap, 2, 3, 4, 4, 5 and 6 Pole	**CCMAC**	**CCFAC**
10A Closure Cap, 7 and 8 Pole	**CCMBC**	**CCFBC**
10A Closure Cap, 9, 10, 12 Pole	**CCMCC**	**CCFCC**

CCFAC

LINK(O)SITY®

Power System Distribution Assemblies

- Available with up to 5 receptacles, wide variety of NEMA 5-20 receptacle grades
- Power pass thru option
- 16 gauge sheet metal enclosure ANSI 61 gray powder coat NEMA 1
- Device identification marking
- Versatile mounting provision
- Local or master switch
- LINKOSITY® connection

Note: Accepts PH2304 series cables.

MSL3L1IGP

Straight Blade - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	1 2 3 4 5	**SG** = Spec Grade **HG** = Hospital Grade **CR** = Corrosion Resistant	**IG** = Isolated Ground **GF** = Ground Fault **SS** = Surge Suppression **00** = Standard	**P** = Pass-thru** **0** = No Pass-thru	**D** = 2 Circuit **A** = A Phase **B** = B Phase **C** = C Phase
Example: M	**SL**	**1**	**SG**	**00**	**P**	

Twist-Lock® - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	1 2 3 4 5	**L1** = 15A **L2** = 20A	**IG** = Isolated Ground **00** = Standard	**P** = Pass-thru **0** = No Pass-thru	**6** = 250V
Example: M	**00**	**3**	**L1**	**IG**	**0**	

Note: Local switches control all receptacles in a box. Master switches control local and downstream receptacles. Consult factory for alternate wiring schemes.
   *Consult factory for wiring specifications and connecting cables.
   **Pass-thru on phase tap boxes are 3Ø.

Switch Only (ON/OFF) - UL Type 1

Device Type	Switch Types	Switch Style	Poles
S	**1** = 1 Gang **2** = 2 Gang **3** = 3 Gang	**2W** = ON/OFF	**1P** = Single Pole **DP** = Two Pole
Example: S	**1**	**2W**	**1P**

Switch Only (4-Way) - UL Type 1

Device Type	Switch Types	Switch Style
S	**1** = 1 Gang	**4W** = 4 Way
Example: S	**1**	**4W**

Switch Only (3-Way) - UL Type 1

Device Type	Switch Types	Switch Style	Position
S	**1** = 1 Gang	**3W** = 3 Way	**M** = Main **R** = Remote **LM** = Line to Main **LR** = Load to Remote
Example: S	**1**	**3W**	**M**

Note: For use with Px2304PBxxx series cables.

Features

Receptacle Types		CR	HG	SG	L1
00	Standard	**HBL53CM62**	**HBL8300GY**	5362G	**HBL4700**
IG	Isolated Ground	—	—	CR5352IGGY	**IG4700A**
GF	Ground Fault	—	GFRST83GY	GFRST20GY	—
SS	Surge Suppression	—	HBL8362GYSA	HBL5362GYSA	—
Switch Types		CR	HG	SG	L1
SL	Local ON/OFF	—	—	HBL1221PL	—
SM	Master ON/OFF	—	—	HBL1221PL	—

LINK⦿SITY®

LINKOSITY® UL Type 3R and 4X Rated Assemblies

- Available with switch, ground fault, corrosion resistant or isolated ground receptacles
- Power pass thru option
- UL Type 3R and 4X Rated
- Device identification marking
- Versatile mounting provision
- LINKOSITY® connection

LINKOSITY® Feed - UL Type 3R Rated*

3R Rated Standard Items

Description	Catalog Number
20A 125V Ground Fault	**M3R002SGGF0**
20A 125V Switched, Spec Grade	**M3RSL1SG000**
20A 125V Switched, Ground Fault	**M3RSL1SGGF0**
20A 125V Spec Grade	**M3R002SG000**
20A 125V Ground Fault, Pass-Thru	**M3R002SGGFP**
20A 125V Switched, Spec Grade, Pass-Thru	**M3RSL1SG00P**
20A 125V Switched, Ground Fault, Pass-Thru	**M3RSL1SGGFP**
20A 125V (2) Switches	**M3R2SG000**
20A 125V 1-Gang Ground Fault	**M3R001SGGF0**
20A 125V Corrosion Resistant	**M3R002CR000**
20A 125V Isolated Ground	**M3R002SGIGP**
20A 125V Spec Grade, Pass-Thru	**M3R002SG00P**

*Note: *When cover closed.*

Device Type	Style	Type	No. of Devices	Device Type	Device Feature	Pass-Thru
M	**3R** - 3R Lids **3D** - 3R Deep Cover	**SL** - Switch Local **SM** - Switch Master **00** - None	**1** **2**	**SG** - Spec Grade **HG** - Hospital Grade **CR** - Corrosion Resistant **L1** - 15A Locking	**IG** - Isolated Ground **GF** - Ground Fault **SI** - Surge/IG **SS** - Surge **00** - Standard	**P** - Pass-Thru **0** - No Pass-Thru

Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	**HBLRFT1**[Δ]

Note: [Δ] Package of 10 mounting feet and 10 screws.

c(UL)us LISTED

LINK(O)SITY®

LINKOSITY® Feed - UL Type 4X Rated**

4X Rated NEMA Standard Items

Description	Catalog Number
20A 125V Straight Blade†	**MLWF2010**
20A 125V WTSSTL	**MLWF2020**
20A 125V Straight Blade, Pass-Thru	**MLWF201P**
20A 125V WTSSTL, Pass-Thru	**MLWF202P**
20A 125/250V WTSSTL, No Pass-Thru	**MLWF2070**
30A 125V WTSSTL, No Pass-Thru	**MLWF1050**
30A 250V WTSSTL, No Pass-Thru	**MLWF1060**
30A 125V WTSSTL, No Pass-Thru	**MLWF2050**
30A 250V WTSSTL, No Pass-Thru	**MLWF2060**

All LINKOSITY® - UL Type 4X Rated●

4X Rated LINKOSITY Standard Items

Description	Catalog Number
20A 3W up to 600V, 4 Port	**M4L2003PB0**
20A 3W up to 600V, 4 Port Pass-Thru	**M4L2003PBP**

Conduit Feed - UL Type 4X Rated**

Conduit Feed Standard Items

Description	Catalog Number
20A 125V Straight Blade	**MCWF2010**
20A 125V WTSSTL	**MCWF2020**
20A 250V WTSSTL	**MCWF2030**
20A 277V WTSSTL	**MCWF2040**
30A 125V WTSSTL	**MCWF2050**
30A 250V WTSSTL	**MCWF2060**
20A 125/250V WTSSTL	**MCWF2070**
20A 3Ø, 250V WTSSTL	**MCWF2080**
20A 3Ø, 480V WTSSTL	**MCWF2090**
30A 125/250V WTSSTL	**MCWF2100**
30A 3Ø 250V WTSSTL	**MCWF2110**
30A 3Ø 480V WTSSTL	**MCWF2120**
30A 3Ø 600V WTSSTL	**MCWF2130**

*Note: **Watertight Safety-Shroud® Twist-Lock® Plug required when in use.*
†Straight Blade are UL Type 4X when not in use only.
●Closure cap required when not in use.
Accepts PH2304 series cables.
WTSSTL is an abbreviation for Watertight Safety-Shroud® Twist-Lock®.

Device Type	Style	Type	No. of Devices	Device Type	Pass-Thru
M	L - LINKOSITY	WF - Watertight Safety-Shroud Receptacle WM - Watertight Safety-Shroud Inlet	1 2	01 - 20A 125V Straight Blade† 02 - 20A 125V Twist-Lock 03 - 20A 250V Twist-Lock 04 - 20A 277V Twist-Lock 05 - 30A 125V Twist-Lock 06 - 30A 250V Twist-Lock 07 - 20A 125/250V Twist-Lock 08 - 20A 3Ø 250V Twist-Lock 09 - 20A 3Ø 480V Twist-Lock 10 - 30A125/250V Twist-Lock 11 - 30A 3Ø 250V Twist-Lock 12 - 30A 3Ø 480V Twist-Lock 13 - 30A 3Ø 600V Twist-Lock	P - Pass-Thru 0 - No Pass-Thru

Device Type	Style	Type	No. of Poles	Conductor Colors	Pass - Thru
M	4L - LINKOSITY	20 - 20A 23 - 20A Super Neutral Isolated Ground 30 - 30A	02 03 04 05 06	PA - Green/Yellow Black (all others) PB - Green/Yellow White Black (all others)	P - Pass-Thru 0 - No Pass-Thru

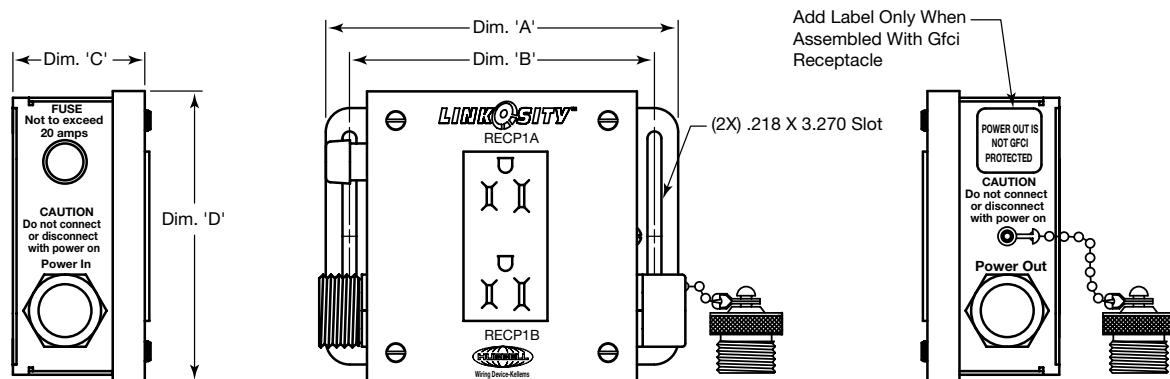| Device Type	Style	Type	No. of Devices	NEMA Device Type	Pass-Thru
M	C - Conduit Feed	WF - Watertight Safety-Shroud Receptacles WM - Watertight Safety-Shroud Inlet	2	01 - 20A 125V Straight Blade 02 - 20A 125V Twist-Lock 03 - 20A 250V Twist-Lock 04 - 20A 277V Twist-Lock 05 - 30A 125V Twist-Lock 06 - 30A 250V Twist-Lock 07 - 20A 125/250V Twist-Lock 08 - 20A 3Ø 250V Twist-Lock 09 - 20A 3Ø 480V Twist-Lock 10 - 30A125/250V Twist-Lock 11 - 30A 3Ø 250V Twist-Lock 12 - 30A 3Ø 480V Twist-Lock 13 - 30A 3Ø 600V Twist-Lock	0 - No Pass-Thru

Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	**HBLRFT1△**

Note: △ Package of 10 mounting feet and 10 screws.

LINKOSITY®

Dim. 'C'

FUSE
Not to exceed
20 amps

CAUTION
Do not connect
or disconnect
with power on
Power In

Dim. 'D'

Dim. 'A'

Dim. 'B'

LINKOSITY™
RECP1A

RECP1B
Wiring Device-Kellems

(2X) .218 X 3.270 Slot

Add Label Only When
Assembled With Gfci
Receptacle

POWER OUT IS
NOT GFCI
PROTECTED

CAUTION
Do not connect
or disconnect
with power on

Power Out

Catalog Number M001****P Shown

Catalog Number	Gangs	Dimension 'A'	Dimension 'B'	Dimension 'C'	Dimension 'D'
M001**P**	1	5.50 (139.7)	4.75 (120.7)	2.25 (57.2)	4.53 (115.1)
M002**P**	2	7.50 (190.5)	6.75 (171.5)	2.25 (57.2)	4.53 (115.1)
M003**P**	3	9.50 (241.3)	8.75 (222.3)	2.25 (57.2)	4.53 (115.1)
M004**P**	4	11.50 (292.1)	10.75 (273.1)	2.25 (57.2)	4.53 (115.1)
M005**P**	5	13.50 (342.9)	12.75 (323.9)	2.25 (57.2)	4.53 (115.1)

LINKOSITY® Specifications

Certifications

System Level	ETL Classified to NEC
Component Assemblies (PSDA)	UL Listed
Connecting Components	Listed to UL2238 and UL 50
Cable (Up to #22 AWG)	UL 300V Type ITC/PLTC 105ºC
Cable (#16 AWG and Up)	UL 600V Type TC-ER, MTW 90ºC or STOOW 600V 105ºC

Cable Diameter

Amps	Wires	O.D.
20	3	.595 (15.1)
20	4	.645 (16.4)
20	5	.710 (18.0)
20	6	.760 (19.3)
30	4	.710 (18.0)

Performance

Electrical

Voltage	Up to 600V
Amperage	Up to 30A

Environmental

Connectivity System Components

Moisture Resistance	UL Type 4, 4X, 12 and 13
Ingress Protection	IP66 Suitability
Flammability	UL94HB Cables/UL94V-0 receptacles

Power System Distribution Assemblies

Moisture Resistance	NEMA Type 1, Type 3R, Type 4X

Dimensions in Inches (mm)

MotorQuick®

Housing Design

- Thermoplastic Cover on Plated Steel Base
- NEMA 1 Enclosure
- Pre-wired with LINKOSITY® Components
- Crush and Impact Resistance of MC Cable

HBL1389MQ5

IP67
SUITABILITY

Housing Design

- High Impact Valox® Enclosure
- Type 4X Enclosure
- Permanent Labelless Marking
- Lockable Handle to Meet OSHA Lockout/Tagout Regulations
- Cable Ratings: TC-ER, MTW, STOOW

HBLDS3MQ5

MotorQuick® Disconnect Switches

Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC	Catalog Number
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR**
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBL1389MQ5**
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR2**

Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC	Catalog Number
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR**
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3MQ5**
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR2**

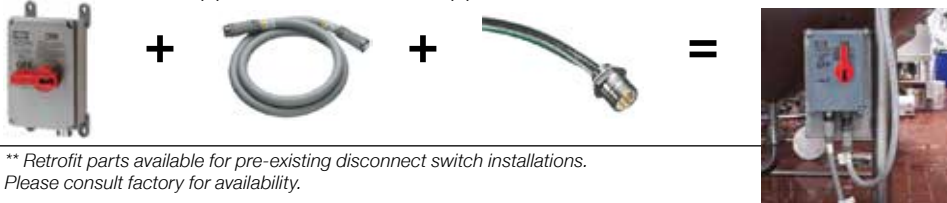| Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	Sloped Top	Square Top
HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR**	**HBLDS3SSMQR**
HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3SSRMQ5**	**HBLDS3SSMQ5**
HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR2**	**HBLDS3SSMQR2**

HBL1389MQR2

HBLDS3MQR

HBLDS3SSRMQR

HBLDS3SSMQR

Accessories

Description	Catalog Number
3P 4W LINKOSITY® male receptacle for installation on motor.	**RM3004PA001**
3P 4W LINKOSITY® female receptacle for installation in switch.	**RF3004PA001**
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable.	**PH3004PAxxx***
3P 4W LINKOSITY® single ended (female) 5-50 foot cable.	**PF3004PAxxx***
Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter.	**SHC1037CR**
Lock-on cover for LINKOSITY® connections.	**PH2030C**

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)*

Sample Set Up

(1) **HBLDS3MQR** + (1) **PH3004PAxxx** + (1) **RM3004PA001** = **Total Set Up****

PH2030C

Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
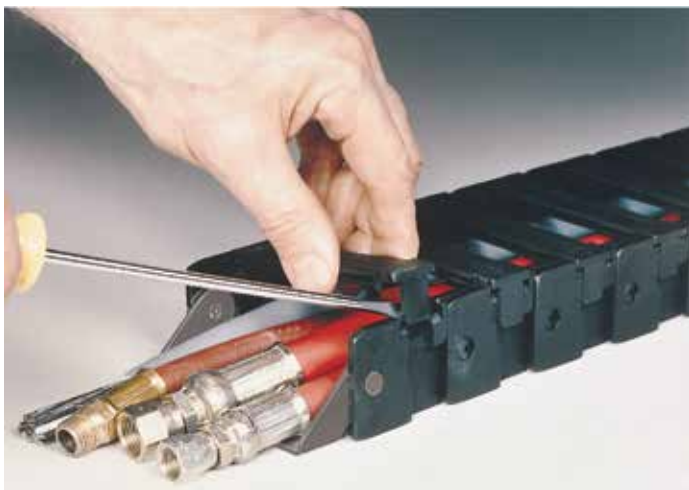
CableTrak® Hose and Cable Carrier System

The design of CableTrak carriers provides easy access to components during installation and repair. The track's flip top design allows the installer to lay cable and hose components directly into the track instead of pulling them through the length of the track. Hubbell CableTrak carriers can be ordered as assembled kits with brackets or by the foot without brackets. The final length of the track is easily customized by adding or removing sections of track or individual links with a flat head screwdriver.

CableTrak® Installation

1. Unlock Tab.
2. Locking tabs secure the retaining bar into place. To unlock tabs, slide a flat head screwdriver under the tab and release it with a twisting motion.
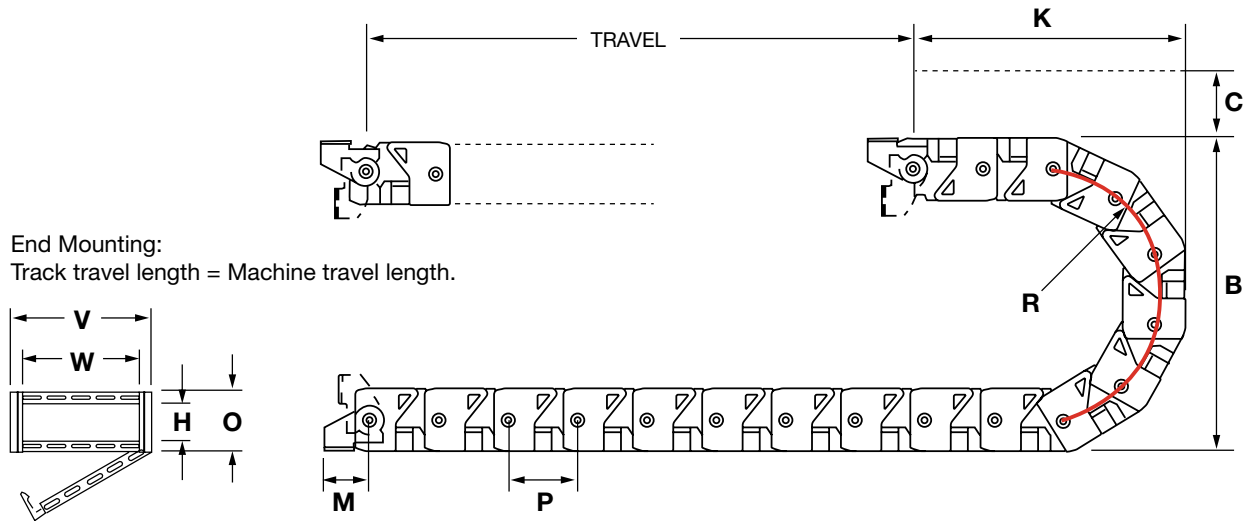
Access/Install Cables and Hoses

3. Easy access is important, especially for pre-assembled cable/hose sets involving large O.D. plugs, receptacles, and couplings.
4. Lock Tab.
5. To re-secure retaining bars, engage the hinge and snap the locking tab into place.

CableTrak® Kits

End Mounting:
Track travel length = Machine travel length.

CableTrak® Kit with Brackets

Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	K Min Brkt to Bend	M Brkt to Pivot	P Pitch	L* Curve Length (ft)
HCT10114K**	4.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	5.68"	1.33"	1.250"	1.000'
HCT10219K**	4.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	5.41"	1.33"	1.250"	1.000'
HCT16119K	4.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16134K	4.5'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16219K	4.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16234K	4.5'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16334K	4.5'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16434K	4.5'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT25134K	4.5'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25234K	4.5'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25247K	5.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'
HCT25347K	5.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'

CableTrak® Kit without Brackets

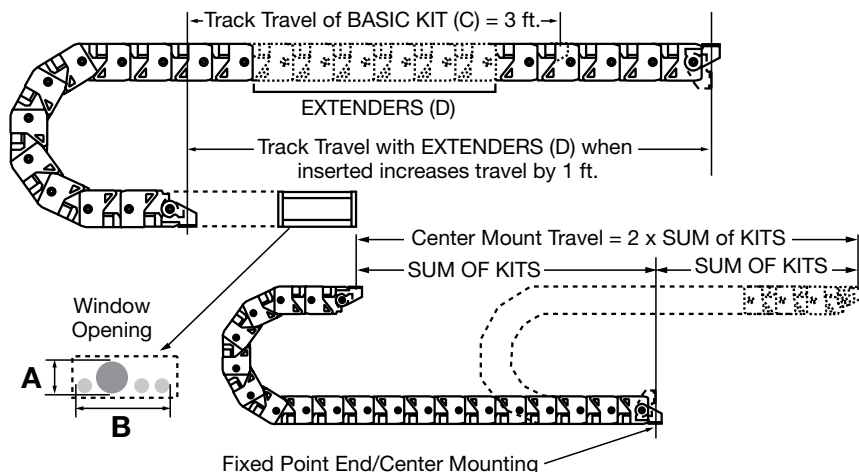| Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	P Pitch	L* Curve Length (ft)
HCT101141**	1.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	1.250"	1.000'
HCT102191**	1.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	1.250"	1.000'
HCT161191	1.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT161341	1.0'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT162191	1.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT162341	1.0'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT163341	1.0'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT164341	1.0'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT251341	1.0'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252341	1.0'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252471	1.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'
HCT253471	1.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'

*Note: *L = Minimum length in feet to form CableTrak curve.*
   **These models do not have a flip top design and do not accept separators due to their small size.*

Dimensions in Inches (mm)

CableTrak® Accessories

Center Mounting: Mounting the fixed track end in the center of the machine travel allows the track to travel beyond the fixed end. Center mounting effectively doubles the travel distance of the track requiring half the track length of an end mounted application.

Track Travel of BASIC KIT (C) = 3 ft.

EXTENDERS (D)

Track Travel with EXTENDERS (D) when inserted increases travel by 1 ft.

Center Mount Travel = 2 x SUM of KITS

SUM OF KITS

SUM OF KITS

Window Opening

A

B

Fixed Point End/Center Mounting

Calculating

Center Mount (Stationary bracket mounted in center of travel range): Track Length = (MT/2) + L
End Mount (Stationary bracket mounted off center of travel range): Track Length = (MT/2) + L + offset from center in feet
MT = Total machine travel distance in feet
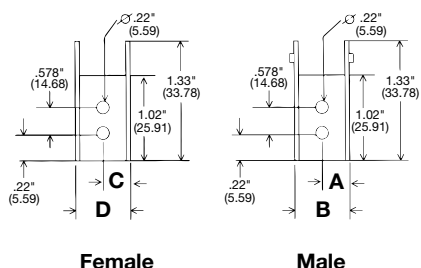L = Length of track taken up by the bend radius

Customizing Track Length

Hubbell CableTrak is easily customized by adding or subtracting links to the track. CableTrak kits provide 4 to 5 feet of track with brackets pre-installed. Track length can be increased by installing the required number of extenders to reach the required length. To further tune the length of track, individual links can be added or removed. To determine the number of links to add or remove, divide the length in inches to be added or subtracted by the pitch of the track and round up.
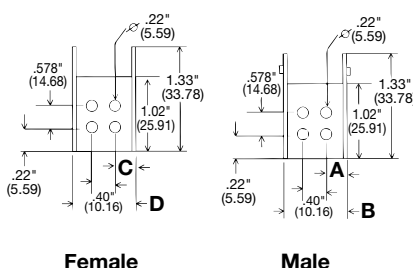
CableTrak® Accessories

Bracket Kits	For Use With	A	B	C	D	E	F	G	H
HCTBK101	HCT101 Series	.40" (10.2)	.81" (20.6)	.47" (12.0)	.94" (23.9)	–	–	–	–
HCTBK102	HCT102 Series	.44" (11.2)	1.22" (31.0)	.44" (11.2)	1.35" (34.3)	–	–	–	–
HCTBK161	HCT161 Series	.99" (25.2)	1.97" (50.1)	.87" (22.1)	1.84" (46.7)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK162	HCT162 Series	1.78" (45.2)	2.75" (69.9)	1.65" (41.9)	2.63" (66.8)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK163	HCT163 Series	2.57" (65.3)	3.55" (90.2)	2.44" (62.0)	3.42" (86.9)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK164	HCT164 Series	3.56" (90.4)	4.53" (115.1)	3.47" (88.1)	4.41" (112.0)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK251	HCT251 Series	2.08" (52.8)	3.21" (81.5)	1.80" (45.7)	3.03" (77.0)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK252	HCT252 Series	3.74" (95.0)	4.87" (123.7)	3.46" (87.9)	4.69" (119.1)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK253	HCT253 Series	6.08" (154.4)	7.21" (183.1)	5.80" (147.3)	7.03" (178.6)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
Separators	For Use With	A	B	C	D	E	F		
HCTSP16PK12	HCT16 Series	1.24" (31.5)	.82" (20.8)	.94" (23.9)	.27" (6.9)	.14" (3.6)	.50" (12.7)		
HCTSP25PK12	HCT25 Series	2.03" (51.6)	1.00" (25.4)	1.19" (30.2)	.35" (8.9)	.15" (3.8)	.62" (15.8)		

HCTBK101 – Brackets

Female

Male

HCTBK102 – Brackets

Female

Male

HCTBK161 – HCTGK253 Brackets

Female

Male

Separators

Dimensions in Inches (mm)

CableTrak® System Mounting Options

Horizontal Travel

Fixed End

Fixed End

Combination Horizontal & Vertical Travel

Fixed End

Opposed Travel

Fixed Ends

Vertical Travel

Curve Up

Back-Up Surface

Fixed End

Back-Up Plate

Curve Down

Back-Up Plate

Fixed End

Back-Up Surface

Specifications

Material	Fiberglass reinforced nylon.
Operating Temperature	Continuous +20°F to +100°F (-7°C to 38°C). Intermittent* -40°F to +220°F (-40°C to 104°C).
Maximum Operating Speed	600 FPM (feet per minute), 180 MPM (meters per minute). Operating speed is based on short lengths that are self supported (up to 9ft.).
Maximum Unsupported Travel Distance	HCT16 Series without sag 9 ft. (2.8 m) with sag 10.5 ft. (3.2 m). HCT25 Series without sag 13.5 ft. (4.1 m) with sag 17 ft. (5.2 m).
Applications	Machine tool, robotic automation, material handling.

*Note: *Intermittent refers to the operating of the product outside the normal (continuous operating) temperature range momentarily before returning back to the normal range.*

DIN Rail Utility Box

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUB15**	**DRUB20**
Complete unit, horizontal mount.	Gray	**DRUB15H**	–
Complete unit with 5A circuit breaker.	Gray	**DRUB15CB5**	–
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUB15HCB5**	–
Complete unit with aux.	Gray	–	**DRUB20AC**
Complete unit with aux and 5A circuit breaker.	Gray	–	**DRUB20ACCB5**
Complete unit with NEMA® 6-20R duplex (250V).	Gray	–	**DRUB5462***

2.54" (64.5)   3.31" (84.1)   4.97" (126.2)

DRUB15

GFCI Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBGFI15**	**DRUBGFI20**
Complete unit, horizontal.	Gray	**DRUBGFI15H**	–
Complete unit with 5A circuit breaker.	Gray	**DRUBGFI15CB5**	–
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUBGFI15HCB5**	–
Complete unit with aux GFCI contacts.	Gray	**DRUBGFI15AC**	**DRUBGFI20AC**
Complete unit, faceless with aux GFCI contacts.	Gray	–	**DRUBGFI20BFAC**

2.54" (64.5)   3.31" (84.1)   4.97" (126.2)

DRUBGFI15AC

TVSS Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBTVSS15**	–
Complete unit with aux contacts.	Gray	**DRUBTVSS15AC**	–

2.54" (64.5)   3.31" (84.1)   4.97" (126.2)

DRUBTVSS15

Isolated Ground△ Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBIG15**	–

Toggle Switch Unit

Description	Color	Catalog Number
Complete unit with HBL1221.	Gray	**DRUB1221AC**
Complete unit with 15A 125V SW/REC.	Gray	**DRUB6404**

2.54" (64.5)   3.31" (84.1)   4.97" (126.2)

DRUBIG15

DIN Rail Utility Box Components

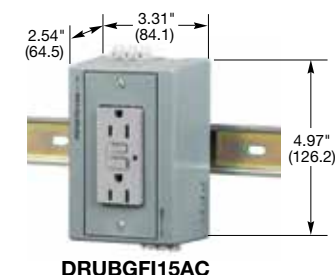| Description	Color	Catalog Number
Pre-wired kit without circuit breaker.	Gray	**DRUBKIT**
Pre-wired kit with circuit breaker.	Gray	**DRUBKITCB5**
Pre-wired kit with aux.	Gray	**DRUBKITAC**
Pre-wired kit with circuit breaker and aux.	Gray	**DRUBKITACCB5**
Communications kit (unloaded).	Gray	**HIDRUBCKIT**
(For use with Network Wiring frames in section W.)		
Switch plate only.	Gray	**KP1GY****
Rectangular opening plate only.	Gray	**KP26GY****
1.60 in. opening plate only.	Gray	**KP720GY****
1.40 in. opening plate only.	Gray	**KP7GY****
Duplex receptacle plate only.	Gray	**KP8GY****

Note: △See section M for additional information on isolated ground devices.
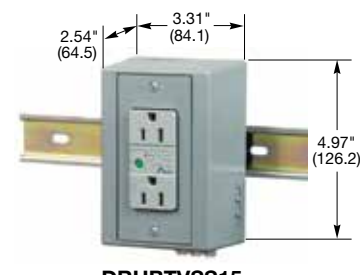   **DRUB5462 configuration not pictured.*
   **UL Listed, CSA Certified.
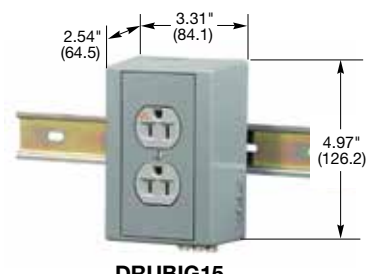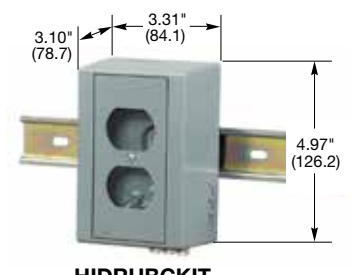

3.10" (78.7)   3.31" (84.1)   4.97" (126.2)

HIDRUBCKIT

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Dimensions in Inches (mm)

Industrial Connectivity and Control Products

Features and Benefits

IP66 SUITABILITY

NFPA 70E Compliant

PANEL-SAFE® Power and Data

An arc flash is a short circuit that travels through air from one live circuit to another. Problems including gaps in insulation, dust or corrosion on the surface of a conductor, or even use of substandard components can cause a serious safety hazards and equipment failures. Arc flash incidents can be extremely costly to a business and can result in serious or even fatal burns, as well as damage to eyesight. Hubbell PANEL-SAFE® provides through door access to live electrical components without having to open the enclosure.

- Available in Type 4, 12 and 4X versions with protective clear cover
- Provides overcurrent protection for both power and data access ports
- Ensures safety with finger-safe contacts and Hubbell GFCI functionality

**Available in
NEMA TYPE 4, 12 and
NEMA TYPE 4X Versions!**

Housing Design
- Rugged, nickel-plated hardware, excellent corrosion and abuse resistance
- Protective clear cover
- Operating temperature -20°C to 110°C

Internal Design
- Hubbell GFCI with functionality indicator
- Cat. 5e Ethernet access*
- Overcurrent protection

Housing Design
- Locking Hasp accepts ⁵⁄₃₂" padlock
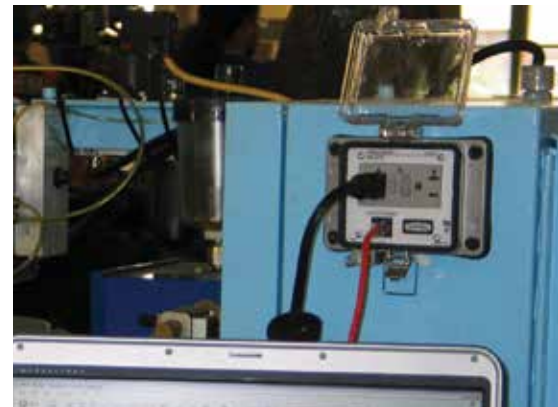- Supplemental "Tool" entry screw closure

Internal Design
- Additional convenience outlet on GFCI versions
- Finger-safe contacts
- Stainless steel snap latch

*Note: *Additional computer interfaces and PLC connections available upon request.*

Specifications

Electrical	GFCI - conforms to UL 943 2006 requirement In-Cabinet Receptacle - GFCI protected Data Jack - Cat. 5e Circuit Breaker - 3A
Mechanical	Cover - Clear Polycarbonate (UV Rated) Housing - Cast Aluminum Finish - Powder Coat Latch - Stainless steel
Environmental	Enclosure - NEMA Type 4, 12 and NEMA Type 4X
Certification	UL Recognized CSA Certified

Application

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

NFPA 70E Compliant

PANEL-SAFE® Power Only

Description	NEMA TYPE 4	NEMA TYPE 4X
20A 125V GFCI with In-Cabinet Receptacle.	**PR20**	—

PR20

PANEL-SAFE® Data Only

Description	NEMA TYPE 4	NEMA TYPE 4X
Cat. 5e Ethernet Access only.	**P5E**	**P4X5E**
DB9 Interface Connector only.	**PDB9**	—
PANEL-SAFE Data Port with DB9 Connector.	**PDB9MF**	—
DH + Combo (DB9/8M Din) and Cat. 5e Ethernet.	**PDH5E**	—
PANEL-SAFE Data Port, (2) USBA, 3 ft. Cable.	—	**P4XUSBA2C3**

P5E

PDB9MF

P4XUSBA2C3

PANEL-SAFE® Power and Data

Description	NEMA TYPE 4	NEMA TYPE 4X
20A 125V GFCI with In-Cabinet Receptacle and Cat. 5e Ethernet Access.	**PR205E**	**PR4X205E**
20A 125V GFCI with In-Cabinet Receptacle, Cat. 5e Ethernet Access and 3A Circuit Breaker.	**PR205EB**	**PR4X205EB**
PANEL-SAFE with 20A GFCI and Cat.5e, DB9 and 3A Circuit Breaker.	**PR205EDB9B**	—
PANEL-SAFE with 20A GFCI and Cat.5e, 3A USB.	**PR205EUSBA**	—
PANEL-SAFE with 20A GFCI and Cat.5e, (2) 3A USB.	**PR205EUSBA2**	—
PANEL-SAFE Data Access Port.	**PR205EUSBA2VGA**	—
20A 125V GFCI Power and Cat. 5e, DB9 and 3A Circuit Breaker.	**PR205EDB9MFB**	—
20A 125V GFCI Power and Cat. 5e Ethernet, DH + Combo (DB9/8M Din).	**P20DH5E**	—
PANEL-SAFE with 20A GFCI and Cat.5/DB9.	**P205EDB9**	—
PANEL-SAFE, 4X, Cat. 5e, DB9, Circuit Breaker.	—	**PR4X205EDB9B**
PANEL-SAFE 4X, Cat. 5e, (2) DB9, Circuit Breaker.	—	**PR4X205E2DB92B**
15A 125V Power and Cat. 5e Ethernet Access.	**P155E**	**P4X155E**
15A 125V Power, Cat. 5e Ethernet Access and 3A Circuit Breaker.	**P155EB**	**P4X155EB**
15A 125V Power and (2) Cat. 5e Ethernet Access.	**P155E2**	—
15A 120V AC Power, NEMA 12/4, DB9 M/F, 10 ft. Cable.	**P15DB9MFC10**	—
15A 125V Power and DH485 Interface (RJ-45F to RJ-45M, 10 ft. Cable).	**P15DH485C10**	—
15A 125V Power and Micrologix 8M Din/F to 8M Din/M, 10 ft. Cable.	**P15ML8F8MC10**	—

PR205EUSBA2

PR205EB

P155E

P155EB

Additional computer interfaces, PLC connections and configurations available upon request. Consult factory for catalog number and availability.

cULus LISTED

Features and Benefits

HI-Impact Industrial Ethernet Connectors

Hubbell's Industrial Ethernet System provides leading edge Category 5e and 6 network transmission performance suitable for industrial and other harsh environments. This system incorporates the use of our standard data connectivity jacks which feature our keystone latching mechanism, in a rugged sealed housing providing IP67 rated protection.

Extend your LAN to include automation equipment and manufacturing or process control equipment. Utilize the Hubbell system to provide added protection in harsh environments such as convention centers, food processing plants, outdoor billboards and display screens, medical and other environments which require added protection from moisture, corrosion, dust-debris, vibration and chemicals.

Housing Design
- Housing made from high impact polymer
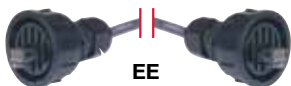- O-rings for moisture protection
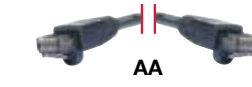- Sealed connection is IP67 rated

Internal Design
- Category 6 and 5e component connectors
- Standard Hubbell Keystone latching system

Industrial Ethernet Connectors

Description	Cat. 6	Cat. 6 Inline Coupler
Connector	**HI6**	**HI6C**

Industrial Ethernet Patch Cords and Plugs

Description	Catalog Number
HI-Impact RJ-45 to standard RJ-45.	**HI603AE***
HI-Impact RJ-45 on both ends.	**HI603EE***
Standard RJ-45 on both ends.	**HI603AA***

*Note: *Additional lengths in feet: 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50.*

AE

EE

AA

Coupler Housing and Connector Cap

Description	Catalog Number
HI-Impact coupler housing is a perfect solution for temporary and flexible work areas where single port drops are needed. Add any HI-Impact connector to support your application.	**HICH**
Connector Cap	**HIC**

HICH

HI-Impact Wallplates

Description	1-Gang 1-Port Opening	1-Gang 2-Port Openings	2-Gang 2-Port Openings	2-Gang 4-Port Openings
Stainless steel wallplate.	**HISF11**	**HISF12**	**HISF22**	**HISF24**

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HIC

Environmental Specifications

Ingress Protection:	NEMA TYPE 4X (connectors). IP67 and IP66 (dust/water). IP55 (plates).
Corrosion:	Resistant to most common chemicals, oils and cleaning agents.
HI-Impact Housing:	UV resistant.
Temperature Range:	TIA/EIA-568-B.2 -25°C to 70°C.

Material

HI-Impact Housing:	Valox®, UL 94V-0.
Nose Contacts:	Beryllium copper with a minimum of 50 micro-inch gold plating over nickel under plating.

Mechanical

Vibration
Frequency Range:	10-500Hz.
Acceleration:	5g (operational).
Mating Cycles:	750 minimum.

UL 1863 compliant.

Electrical

ANSI/TIA/EIA-568-B.2-1 (Cat. 6 and 5e).
Supports TIA-1005 Industrial Telecommunications Infrastructure.

HISF11

inREACH™ Industrial and Industrial Weatherproof Cord Reels

Commercial and Lighted Cord Reels

Air/Water Hose Reels and Static Discharge Reels

inREACH™ Industrial and Industrial Weatherproof Cord Reels

Hubbell's newly redesigned inREACH™ Industrial and Industrial Weatherproof Cord Reels improve existing user safety and maximize efficiency by managing cord and power in a safe and organized manner, while also meeting the most demanding industrial environments needs for years with little to no maintenance.

inREACH™ Industrial and Industrial Weatherproof Cord Reels are listed to UL 355 and CSA, C22.2 No. 308 with a durable, lightweight low profile cast aluminum construction. inREACH™ Reels also feature a newly designed mounting plate that allows for a quick easy installation on any surface.

inREACH™ *No matter what your need, Hubbell will always be inREACH™!*

inREACH™ Industrial and Industrial Weatherproof Cord Reels

» Durable, corrosion resistant cast aluminum construction
» Yellow or white powder coat finish
» Multi-position guide arm can be mounted in two positions
» Positive latch mechanism automatically maintains desired cord length
» Ratchet lock can be disengaged in field for constant tension applications
» 16–10 AWG, 3 & 4 conductor cord for greater current carrying capacity
» Available in 25ft, 35ft and 45ft lengths

HBLI45163

HBLI45123

HBLI45103Y

Dimensions in Inches (mm)

inREACH™ Industrial Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	White Reel	Yellow Reel
Industrial Reel	10	250	45 (13.7)	16/3 SJO	22.9 (10.4)	**HBLI45163**	**HBLI45163Y**
				16/4 SJO	23.6 (10.7)	**HBLI45164**	**HBLI45164Y**
			35 (10.7)	16/3 SJO	22.0 (10.0)	**HBLI35163**	**HBLI35163Y**
				16/4 SJO	22.7 (10.3)	**HBLI35164**	**HBLI35164Y**
			25 (7.6)	16/3 SJO	21.2 (9.6)	**HBLI25163**	**HBLI25163Y**
				16/4 SJO	21.8 (9.9)	**HBLI25164**	**HBLI25164Y**
Industrial Reel	15	250	45 (13.7)	14/3 SJO	24.0 (10.9)	**HBLI45143**	**HBLI45143Y**
				14/4 SJO	25.4 (11.5)	**HBLI45144**	**HBLI45144Y**
			35 (10.7)	14/3 SJO	22.9 (10.4)	**HBLI35143**	**HBLI35143Y**
				14/4 SJO	24.0 (10.9)	**HBLI35144**	**HBLI35144Y**
			25 (7.6)	14/3 SJO	21.8 (9.9)	**HBLI25143**	**HBLI25143Y**
				14/4 SJO	22.7 (10.3)	**HBLI25144**	**HBLI25144Y**
Industrial Reel	20	250	45 (13.7)	12/3 SJO	26.5 (12.0)	**HBLI45123**	**HBLI45123Y**
				12/4 SJO	29.8 (13.5)	**HBLI45124**	**HBLI45124Y**
			35 (10.7)	12/3 SJO	24.9 (11.3)	**HBLI35123**	**HBLI35123Y**
				12/4 SJO	26.5 (12.0)	**HBLI35124**	**HBLI35124Y**
			25 (7.6)	12/3 SJO	23.4 (10.6)	**HBLI25123**	**HBLI25123Y**
				12/4 SJO	24.5 (11.1)	**HBLI25124**	**HBLI25124Y**
Industrial Reel	30	250	45 (13.7)	10/3 SJO	32.4 (14.7)	**HBLI45103**	**HBLI45103Y**
			40 (12.2)	10/4 SJO	33.7 (15.3)	**HBLI40104**	**HBLI40104Y**
			35 (10.7)	10/3 SJO	30.0 (13.6)	**HBLI35103**	**HBLI35103Y**
				10/4 SJO	32.2 (14.6)	**HBLI35104**	**HBLI35104Y**
			25 (7.6)	10/3 SJO	26.0 (11.8)	**HBLI25103**	**HBLI25103Y**
				10/4 SJO	29.1 (13.2)	**HBLI25104**	**HBLI25104Y**

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Cable, Cord and Hose Reels

Features and Benefits

inREACH™ Industrial Cord Reels

• Durable, corrosion resistant cast aluminum construction

• Yellow or white powder coat finish

• Multi-position guide arm can be mounted in two positions

• Positive latch mechanism automatically maintains desired cord length

• Ratchet lock can be disengaged in field for constant tension applications

• 16–10 AWG, 3 & 4 conductor cord for greater current carrying capacity

• Available in 25ft, 35ft and 45ft lengths

HBLI45123C20

inREACH™ Industrial Cord Reels Connector Ends

Description		Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
White Industrial Reel	with HBL5269C	15	125	45 (13.7)	14/3 SJO	24.0 (10.9)	**HBLI45143C15**
	with HBL5369C with HBL2313	20	125	45 (13.7)	12/3 SJO	26.5 (12.0) 26.5 (12.0)	**HBLI45123C20** **HBLI45123TL20**
White Industrial Reel with Yellow Portable Outlet Box	(1) 15A Duplex Receptacle (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0) 26.5 (12.0)	**HBLI45143R15** **HBLI45143R215**
	GFCI Module and (1) 15A Duplex Receptacle GFCI Module and (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0) 26.5 (12.0)	**HBLI45143GF15** **HBLI45143GF215**
White Industrial Reel with Black Portable Outlet Box	(1) 15A Duplex Receptacle (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0) 26.5 (12.0)	**HBLI45143R15M1** **HBLI45143R215M1**
	GFCI Module and (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0)	**HBLI45143GF215M1**
White Industrial Reel with Yellow Portable Outlet Box	(1) 20A Duplex Receptacle (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0) 26.5 (12.0)	**HBLI45123R20** **HBLI45123R220**
	GFCI Module and (1) 20A Duplex Receptacle GFCI Module and (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0) 26.5 (12.0)	**HBLI45123GF20** **HBLI45123GF220**
White Industrial Reel with Black Portable Outlet Box	(1) 20A Duplex Receptacle (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0) 26.5 (12.0)	**HBLI45123R20M1** **HBLI45123R220M1**
	GFCI Module and (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	**HBLI45123GF220M1**

HBLI45143C15

HBLI45123TL20

HBLI45123R20

HBLI45123R20M1

Note: 15A reels are supplied with HBL5266C on the power supply cord. 20A reels are supplied with HBL5366C on the power supply cord.
For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX); 35ft & 25ft lengths are available.
For yellow reel, add 'Y' suffix to catalog number.

inREACH™ Accessories

Description	Weight Lbs. (kg)	Catalog Number
Mounting bracket	2.5 (1.1)	**HBLIMB**
340° pivot base	3.5 (1.1)	**HBLI340PB**
Replacement stop.	.2 (.09)	**HBLI16BS** **HBLI14BS** **HBLI12BS** **HBLI10BS**

HBLIMB

HBLI340PB

HBLI16BS

HBLI45123GF20

Labor Savings are inREACH™!

HBLI45123GF220M1

Dimensions in Inches (mm)

Features and Benefits

inREACH™ Industrial Weatherproof Cord Reels

- UL Type 4
- 600V AC, SOW Type Cable
- Durable, corrosion resistant cast aluminum construction design with yellow or white powder coat finish
- Multi-position guide arm
- Positive-latch mechanism automatically maintains desired cord length
- 16–10 AWG, 3 & 4 conductor cord for greater current carrying capacity

HBLW45103

HBLW45163W

HBLW35143

HBLW45103

inREACH™ Industrial Weatherproof Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Yellow Reel	White Reel
Weatherproof Industrial Reel	10	600	45 (13.7)	16/3 SOW	23.6 (10.7)	**HBLW45163**	**HBLW45163W**
				16/4 SOW	25.6 (11.6)	**HBLW45164**	**HBLW45164W**
			35 (10.7)	16/3 SOW	22.5 (10.2)	**HBLW35163**	**HBLW35163W**
				16/4 SOW	23.1 (10.5)	**HBLW35164**	**HBLW35164W**
			25 (7.6)	16/3 SOW	21.4 (9.7)	**HBLW25163**	**HBLW25163W**
				16/4 SOW	21.8 (9.9)	**HBLW25164**	**HBLW25164W**
Weatherproof Industrial Reel	15	600	45 (13.7)	14/3 SOW	28.2 (12.8)	**HBLW45143**	**HBLW45143W**
				14/4 SOW	30.0 (13.6)	**HBLW45144**	**HBLW45144W**
			35 (10.7)	14/3 SOW	25.1 (11.4)	**HBLW35143**	**HBLW35143W**
				14/4 SOW	26.5 (12.0)	**HBLW35144**	**HBLW35144W**
			25 (7.6)	14/3 SOW	22.5 (10.2)	**HBLW25143**	**HBLW25143W**
				14/4 SOW	24.3 (11.0)	**HBLW25144**	**HBLW25144W**
Weatherproof Industrial Reel	20	600	45 (13.7)	12/3 SOW	31.3 (14.2)	**HBLW45123**	**HBLW45123W**
			40 (12.2)	12/4 SOW	32.2 (14.6)	**HBLW40124**	**HBLW40124W**
			35 (10.7)	12/3 SOW	28.9 (13.1)	**HBLW35123**	**HBLW35123W**
				12/4 SOW	30.6 (13.9)	**HBLW35124**	**HBLW35124W**
			25 (7.6)	12/3 SOW	24.9 (11.3)	**HBLW25123**	**HBLW25123W**
				12/4 SOW	27.6 (12.5)	**HBLW25124**	**HBLW25124W**
Weatherproof Industrial Reel	30	600	40 (12.2)	10/3 SOW	33.3 (15.1)	**HBLW40103**	**HBLW40103W**
			35 (10.7)	10/3 SOW	31.7 (14.4)	**HBLW35103**	**HBLW35103W**
				10/4 SOW	34.2 (15.5)	**HBLW35104**	**HBLW35104W**
			25 (7.6)	10/3 SOW	28.4 (12.9)	**HBLW25103**	**HBLW25103W**
				10/4 SOW	30.2 (13.7)	**HBLW25104**	**HBLW25104W**

inREACH™ Accessories

Description	Weight Lbs. (kg)	Catalog Number
Mounting bracket	2.5 (1.1)	**HBLIMB**
340° pivot base	3.5 (1.1)	**HBLI340PB**
Replacement stop.	.2 (.09)	**HBLI16BS** **HBLI14BS** **HBLI12BS** **HBLI10BS**

HBLIMB

HBLI340PB

HBLI16BS

Dimensions in Inches (mm)

Labor Savings are inREACH™!

Cable, Cord and Hose Reels

Features and Benefits

Heavy Duty Industrial Weatherproof Reels

- Powder coated, solid U.S. steel construction
- Multi-position roller guide can be mounted in four different positions
- Ratchet lock can be disengaged in field for constant tension application
- UL Type 4X enclosure protects spring motor, junction box, slip ring assembly and cable entrance from hosedown or corrosion
- Optional pivot base allows 340° rotation of reel and increases range of cable to nearly any direction

HBL501242W
with **HBL16PB**

Heavy Duty Industrial Weatherproof Reels*

Description		Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
14" yellow weatherproof reel		15	600	50 (15.2)	14/3 SOW-A	55 (24.9)	**HBL501431W**
16" weatherproof reel	yellow housing white housing	20	600	50 (15.2)	12/3 SOW-A	80 (36.3)	**HBL501232W** **HBL501232WM1**
16" yellow weatherproof reel		16	600	50 (15.2)	12/4 SOW-A	86 (39.0)	**HBL501242W**
16" weatherproof reel	yellow housing white housing	25	600	50 (15.2)	10/3 SOW-A	86 (39.0)	**HBL501032W** **HBL501032WM1**
16" yellow weatherproof reel		20	600	50 (15.2)	10/4 SOW-A	92 (41.7)	**HBL501042W**

*Note: *All heavy duty industrial cord reels are supplied with wire leads and ¾" NPT hub feed. Power supply cable not supplied.*

HBL501232WM1

Accessories

Description	Weight Lbs. (kg)	Description
14" pivot base.	5 (2.3)	**HBL14PB**
16" pivot base.	13 (5.9)	**HBL16PB**
Replacement stop.	.2 (.09)	**HBLWPBS**

HBL501242W
with **HBL16PB**

Specifications

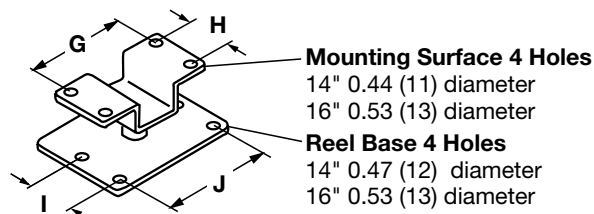|	
Listing/Certification	UL 355 and CSA, C22.2 No. 308.
Environment	Type 4X enclosure, CAN/CSA - C22.2 No. 308. Dry, indoor and wet and damp outdoor non-hazardous location.

HBL14PB

Dimensions

Inch (mm)	A	B	C	D	E	F	G	H	I	J
14" Reel	6.50" (165)	8.12" (206)	16.25" (413)	13.75" (349)	3.00" (76)	12.19" (310)	3.00" (76)	3.00" (76)	3.00" (76)	6.50" (165)
16" Reel	6.50" (165)	9.12" (232)	18.25" (464)	15.75" (400)	3.00" (76)	14.19" (360)	6.00" (152)	6.00" (152)	4.94" (125)	6.50" (165)

HBLWPBS

Line Entrance ¾" NPT

Pivot Base

340° Pivot Base (Optional)

Mounting Surface 4 Holes
14" 0.44 (11) diameter
16" 0.53 (13) diameter
Reel Base 4 Holes
14" 0.47 (12) diameter
16" 0.53 (13) diameter

Note: Pivot base for use only with Weatherproof Cable Reel.

Dimensions in Inches (mm)

HBLSS45123

HBLI45163LED

HBLC40182LED

HBLC40182AFL

HBLC40163FL

Stainless Steel Cord Reels

Description	Amps	Volts	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
Stainless steel reel without cord ends	20	125	45 (13.7)	#12/3 SJEO	30 (14)	**HBLSS45123**

Note: For indoor non-weathertight applications only.

Industrial Lighted Cord Reels, 45 Ft. (13.7m) - 16/3 AWG SJEO Cable

Cord End	Amps	Volts AC	Watts (Max)	Weight Lbs. (kg)	Catalog Number
LED hand lamp, with end light, white reel.	0.07	125	8 + 1	22.9 (10.4)	**HBLI45163LED**
Fluorescent hand lamp, white reel.	0.3	125	13	22.9 (10.4)	**HBLI45163FL**
Incandescent hand lamp, white reel.	0.8	125	100	22.9 (10.4)	**HBLI45163IN**

Note: Supplied with 5 ft. power supply cord with HBL5266C, 15A straight blade plug.
For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX); 35ft & 25ft lengths are available.
For yellow reel, add 'Y' suffix to catalog number.

Accessories

Description	Amps	Volts AC	Watts (Max)	Weight Lbs. (kg)	Catalog Number
Replacement stop.	—	—	—	.2 (.09)	**HBL16BS**
Replacement LED hand lamp.	0.07	120	8 + 1	1 (.5)	**HBL16LEDR***
Replacement fluorescent hand lamp.	0.3	120	13	1 (.5)	**HBL16FLR**
Replacement incandescent hand lamp.	0.8	125	100	1 (.5)	**HBL16INR**

*Note: *cETLus Listed by INTERTEK.*

HBLC25143IN

HBLI45163FL

HBLI45163IN

Commercial Lighted Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Watts (Max)	Weight Lbs. (kg)	Catalog Number
White Reel with LED hand lamp, with flashlight end.	0.65	125	40 (12.2)	#18/2 SJTOW	8 + 1	8.2 (3.7)	**HBLC40182LED**
White Reel with non-metallic incandescent hand lamp and automatic shut off switch.	0.6	125	25 (7.6)	#16/3 SJT	75	9.0 (4.1)	**HBLC25163AIN****
Yellow Reel with metallic incandescent hand lamp with receptacle.	13	125	25 (7.6)	#14/3 SJT	1,625	9.5 (4.3)	**HBLC25143IN**
White Reel with fluorescent hand lamp and automatic shut off switch.	0.3	120	40 (12.2)	#18/2 SJTOW	13	8.2 (3.7)	**HBLC40182AFL****
White Reel with fluorescent hand lamp and in-line receptacle.	10	120	40 (12.2)	#16/3 SJT	1,200	9.0 (4.1)	**HBLC40163FL**

*Note: **Allows the electrical cord reel installation to conform to Article 511 of the National Electric Code concerning installation of electrical devices in commercial garages, repair facilities and storage locations by positioning the switch above the defined area where hazardous fumes may collect.*

Dimensions in Inches (mm)

INTERTEK and the Intertek logo are registered trademarks of Intertek Group plc.

Features and Benefits

Commercial Cord Reels

- Durable steel construction for commercial and general purpose applications
- Compact size, flexible mounting options for ceiling, wall or bench
- Automatic ratchet lock holds cord at desired length and provides easy, smooth retraction of cord
- Attached plug for power cord requires no wiring

HBLC25163C

Commercial Cord Reels

- Durable light weight non-metallic housing
- Removable bracket allows reel to be disengaged from mount providing portability
- 40 Ft. of #12/3 cord for greater current carrying capacity
- Triple tap outlet with supplemental over current protection

HBLC40123TT

Commercial Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Watts (Max)	Weight Lbs. (kg)	Catalog Number
Black Reel with triple tap outlet.	15	125	40 (12.2)	#12/3 SJTW	1,875	13.8 (6.3)	**HBLC40123TT**
Black Reel with wire leads.	15	125	40 (12.2)	#12/3 SJTW	1,875	13.8 (6.3)	**HBLC40123**
White Reel with triple tap outlet and white cord.	10	125	30 (9.1)	#16/3 SJT	1,250	8.5 (3.9)	**HBLC30163TT**
Yellow Reel with Hubbell HBL5969VBLK connector.	10	125	25 (7.6)	#16/3 SJT	1,250	8.5 (3.9)	**HBLC25163C**
Yellow Reel with wire leads.	10	125	25 (7.6)	#16/3 SJT	1,250	8.5 (3.9)	**HBLC25163****

Note: Reels supplied with 2 ft. power supply cord and molded on straight blade 15A plug.
   **UL Listed only.

HBLC40123TT

HBLC30163TT

HBLC25163C

Specifications

Listing/Certification	UL 355.
Environment	Dry, indoor, non-hazardous locations.
Incandescent Lamp	75 watt max., auto switch, no receptacle; 100 watt max. bulb, with receptacle.
Fluorescent Lamp	10A/1200W max. with in-line receptacle; 13 watt without receptacle.

Dimensions

Triple Tap

Locking Pin Assembly — Bracket — Mounting Pin

38.0" (96.5)

5.26" (133.8)

14.62" (371.4)

3.83" (97.3)

4.20" (106.7)

1.42" (35.9)

All Other Commercial Reels excluding Triple Tap

2.83" (72)

11.38" (289)

9.50" (241)

4.11" (104)

Dimensions in Inches (mm)

Features and Benefits

Air/Water Hose Reels

- Constructed of rugged steel, baked polyester finish components
- Multi-position four roller guide and adjustable hose stop
- Spring rewind and ratchet lock
- Full flow shafts and swivels assure maximum product delivery

HBLHR2535

HBL50SD

Static Discharge Reels

- Steel construction
- Compact design minimizes required installation space
- Available with steel or nylon coated steel cable
- Large grounding jaw clamp provides low resistant ground termination

HBLHR2535

HBL50SD

Air/Water Hose Reels

Description	Cable Length Feet (m)	Max Pressure Psi	Frame Size	Input Hose Fitting (NPTF)	O.D. Inch (mm)	Weight Lbs. (kg)	Catalog Number
Low pressure ¼" ID.	35 (10.7)	300	A	1/4	0.51 (13.0)	24 (10.9)	**HBLHR2535**
	50 (15.2)	300	B	1/4	0.51 (13.0)	26 (11.8)	**HBLHR2550**
Low pressure ⅜" ID.	25 (7.6)	300	A	3/8	0.65 (16.5)	23 (10.4)	**HBLHR3825**
	50 (15.2)	300	C	3/8	0.65 (16.5)	36 (16.3)	**HBLHR3850**
	70 (21.3)	300	E	3/8	0.65 (16.5)	50 (22.7)	**HBLHR3870**
Low pressure ½" ID.	35 (10.7)	300	C	3/8	0.77 (19.6)	38 (17.2)	**HBLHR5035**
	50 (15.2)	300	E	3/8	0.77 (19.6)	44 (20.0)	**HBLHR5050**

Static Discharge Reels

Description	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
Static discharge reel.	50 (15.2)	Single ³⁄₃₂" Steel	12 (5.4)	**HBL50SD**
Static discharge reel.	50 (15.2)	Single ³⁄₃₂" Steel Nylon Coated	13 (5.9)	**HBL50SDN**
Static discharge reel.	50 (15.2)*	Dual (Y) ³⁄₃₂" Steel	13 (5.9)	**HBL50YSD**

*Note: *35 ft. (10.6m) + Dual 15 ft. (4.5m) for "Y".*

Dimensions

Frame size	A	B	C	D	E	F	G	H	J	K	L	M
A	12.88 (327)	11.25 (286)	8.00 (203)	9.88 (250)	12.13 (308)	5.50 (140)	2.50 (64)	2.50 (64)	4.00 (102)	5.09 (132)	8.38 (213)	—
B	14.50 (368)	12.81 (325)	9.75 (248)	11.25 (285)	13.75 (349)	6.19 (157)	3.16 (80)	2.50 (64)	4.00 (102)	5.88 (149)	8.38 (213)	—
C	17.50 (445)	15.63 (286)	9.75 (248)	11.25 (285)	16.50 (419)	6.19 (157)	3.16 (80)	2.50 (64)	4.00 (102)	5.88 (149)	10.25 (260)	—
E	20.38 (518)	18.12 (460)	7.88 (200)	9.45 (240)	19.00 (483)	6.63 (168)	3.35 (85)	3.86 (98)	5.43 (138)	6.10 (155)	11.00 (280)	9.5 (241)

Air/Water Hose Reels

Dimensions in Inches (mm)

Mounting holes:
4x Ø 0.31 (A, B, C)
4x Ø 0.46 (E)

Static Discharge Reel

8.81" (224)

7.88" (200)

8.62" (219)

1.50" (38)

3.35" (85)

Table of Contents

Features and Benefits

AUTOGUARD® Self Test Technology 1st introduced by Hubbell Over 10 Years Ago! Self Test Monitoring Now Required in 2015 UL943 GFCI Safety Standad.

Hubbell Self Test GFCI Patented Technology

Hubbell AUTOGUARD® GFCI receptacles continually test and monitor for "people protection capability" automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. GFCI auto-monitoring is conducted continuously within every 30 seconds.

Also, clear visual indicators are provided on the device face representing power status, trip condition, ground fault condition and end of life status. In addition, for added safety, power will be denied to the receptacle face if reverse wiring of line and load was to occur.

UL (Underwriters Laboratory) now requires all manufacturers to provide self test monitoring capability effective June 29, 2015. When was the last time you tested a GFCI receptacle? Industry studies indicate only a very small number of installations are actually being tested as is recommended by the manufacturer and UL. This is the fundamental reason this revision has been incorporated into UL943 standard for 2015.

Each GFR must automatically monitor GFCI functionality periodically	If the unit can no longer provide GFCI protection, it must comply with the following	Reverse line and load miswire function – (repeated)
Automatically test within (5) seconds of power to line and load terminals; periodically means every (3) hours or less.	Deny Power (trip with the inability to reset); if unit does reset it is subject to the next auto-monitoring test cycle. Visual and/or audible indication that it no longer can provide protection.	If the line conductor is wired to the load terminal, power to the receptacle face will be denied. This includes both the initial installation and any subsequent reinstallations.

GFRST15WNL

Isolated Ground

Hospital Grade

Night Light

SNAPConnect®

Audible Alarm

Tamper-Resistant

Combo Switch/GFCI

Weather Resistant

Features and Benefits

- **Patented AUTOGUARD® Technology** — Continuous Self Test functionality and disconnects power to receptacle if critical components are damaged and GFCI protection is lost

- **Federal Communications Commission Part 15** — Compliant for radiated and conducted emissions

- **Thermoplastic Nylon Housing** — High Impact and Ultraviolet Resistant construction provides resilience in harsh environments

- **Clear Visual Indication of GFR Status** — LED Indicating Lights:
  - Green LED (power to the device)
  - Red LED (trip condition/ground fault condition)
  - Flashing Red LED (end of life)

- **Internal Back Wiring Clamp and Guide Pocket** — Quick and dependable termination

- **Protection Against Line and Load Reversal** — No power to the face or downstream receptacles if device is miswired

- **Installation Ease, Lower Labor Cost** — With auto-grounding clip, captive mounting screws and single tab "breakoff" ears and full "breakoff" for OEM raised covers

- **Night Light Option** — Light sensor controls for automatic "ON/OFF" and custom dual lens for optimum light output

Features and Benefits

Extra Heavy Duty Industrial and Hospital Grade GFCI Receptacles Tamper-Resistant and Weather Resistant

- Corrosion resistant construction includes nickel plated brass mounting strap, line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester "V0" thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust
- Three indicators: power solid green, GF/trip solid red, end of life flashing red

Meets UL Standard 943
Class A GFCI

AUTOGUARD® Self Test GFCI Receptacles Tamper-Resistant and Weather Resistant

Description	Rating	Color	Industrial	Industrial Hospital Grade
Extra Heavy Duty Industrial Ground Fault Receptacle 15A 125V Feed Through Tamper and Weather Resistant	15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	GF5262SGBK	GF8200SGBK
		Brown	GF5262SG	GF8200SG
		Gray	GF5262SGGY	GF8200SGGY
		Ivory	GF5262SGI	GF8200SGI
		Red	GF5262SGR	GF8200SGR
		White	GF5262SGW	GF8200SGW
		Yellow	GF5262SGYEL	-
Extra Heavy Duty Industrial Ground Fault Receptacle 20A 125V Feed Through Tamper and Weather Resistant	20A 125V NEMA 5-20R UL CSA 1 HP	Black	GF5362SGBK	GF8300SGBK
		Brown	GF5362SG	GF8300SG
		Gray	GF5362SGGY	GF8300SGGY
		Ivory	GF5362SGI	GF8300SGI
		Red	GF5362SGR	GF8300SGR
		White	GF5362SGW	GF8300SGW
		Yellow	GF5362SGYEL	-

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color nylon wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability. Note – yellow version comes with SS plate only
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

GFCI Receptacle Specifications per GFCI Products Listed (Pages L-3 to L-8)

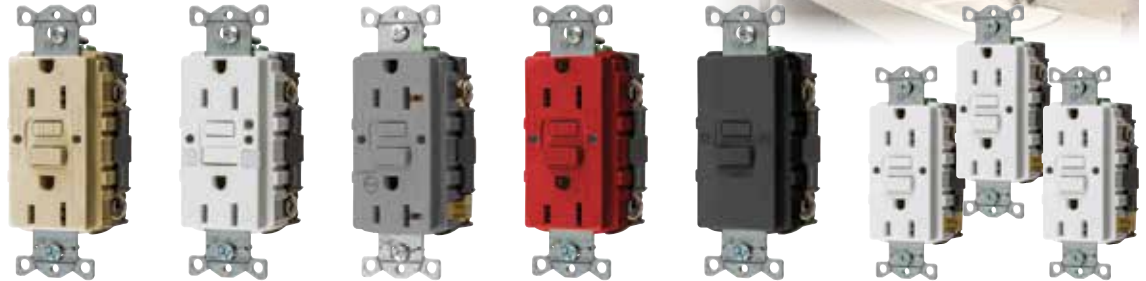|	
Trip Level	4 to 6 mA.
Trip Time	.025 second nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15% (102V to 132V).
Amperage	15A/20A, 20A Feed-Thru.
Maximum Interrupting Capacity	10,000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Dust Resistant	Meets UL 943, section 6.20 for resistance to dust contaminants
Corrosion Resistant	Meets UL 943, section 6.21 for resistance to corrosion
FCC Part 15 Class B	Certified conformance to radiated and conducted emission testing per FCC
Immunity to noise	Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified.
Codes	Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

Heavy Duty Commercial Tamper-Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC® 517.18(C)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition

Meets UL Standard 943
Class A GFCI

Tamper-Resistant

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Combination Switch 15A 120V Switch	Standard 3-Pack Three Devices per Pack
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFTRST15AL	GFTRST15ALNL	GFTRST15ALB	—	—
	Black	GFTRST15BK	GFTRST15BKNL	GFTRST15BKB	—	—
	Brown	GFTRST15	GFTRST15NL	GFTRST15B	—	—
	Gray	GFTRST15GY	GFTRST15GYNL	GFTRST15GYB	—	—
	Ivory	GFTRST15I	GFTRST15INL	GFTRST15IB	GFSPST15I	GFTRST15I3
	Light Almond	GFTRST15LA	GFTRST15LANL	GFTRST15LAB	GFSPST15LA	GFTRST15LA3
	Red	GFTRST15R	GFTRST15RNL	GFTRST15RB	—	—
	White	GFTRST15W	GFTRST15WNL	GFTRST15WB	GFSPST15W	GFTRST15W3
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFTRST20AL	GFTRST20ALNL	GFTRST20ALB	—	—
	Black	GFTRST20BK	GFTRST20BKNL	GFTRST20BKB	—	—
	Brown	GFTRST20	GFTRST20NL	GFTRST20B	—	—
	Gray	GFTRST20GY	GFTRST20GYNL	GFTRST20GYB	—	—
	Ivory	GFTRST20I	GFTRST20INL	GFTRST20IB	—	GFTRST20I3
	Light Almond	GFTRST20LA	GFTRST20LANL	GFTRST20LAB	—	GFTRST20LA3
	Red	GFTRST20R	GFTRST20RNL	GFTRST20RB	—	—
	White	GFTRST20W	GFTRST20WNL	GFTRST20WB	—	GFTRST20W3

Hospital Grade ●
Tamper-Resistant

Rating	Color	Night Light Two LED Night Lights	Alarm
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFTRST82ALNL	GFTRST82ALB
	Black	GFTRST82BKNL	GFTRST82BKB
	Brown	GFTRST82NL	GFTRST82B
	Gray	GFTRST82GYNL	GFTRST82GYB
	Ivory	GFTRST82INL	GFTRST82IB
	Light Almond	GFTRST82LANL	GFTRST82LAB
	Red	GFTRST82RNL	GFTRST82RB
	White	GFTRST82WNL	GFTRST82WB
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFTRST83ALNL	GFTRST83ALB
	Black	GFTRST83BKNL	GFTRST83BKB
	Brown	GFTRST83NL	GFTRST83B
	Gray	GFTRST83GYNL	GFTRST83GYB
	Ivory	GFTRST83INL	GFTRST83IB
	Light Almond	GFTRST83LANL	GFTRST83LAB
	Red	GFTRST83RNL	GFTRST83RB
	White	GFTRST83WNL	GFTRST83WB

Product Dimensions

GFCI Receptacle

A	3.27 (83.1)
B	2.75 (69.8)
C	1.75 (44.5)
D	1.47 (37.4)
E	1.10 (27.9)

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability.

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).
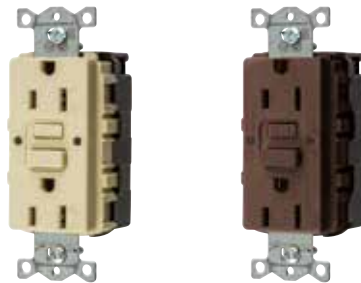
Features and Benefits

Heavy Duty Commercial Standard GFCI Receptacles

Meets UL Standard 943
Class A GFCI

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output

Standard

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Assembled in USA	Blank Face Available in 20A Only	Standard 3-Pack Three Devices per Pack
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFRST15AL	GFRST15ALNL	GFRST15ALB	GFRST15ALU	—	—
	Black	GFRST15BK	GFRST15BKNL	GFRST15BKB	GFRST15BKU	—	—
	Brown	GFRST15	GFRST15NL	GFRST15B	GFRST15U	—	—
	Gray	GFRST15GY	GFRST15GYNL	GFRST15GYB	GFRST15GYU	—	—
	Ivory	GFRST15I	GFRST15INL	GFRST15IB	GFRST15IU	—	GFRST15I3
	Light Almond	GFRST15LA	GFRST15LANL	GFRST15LAB	GFRST15LAU	—	GFRST15LA3
	Red	GFRST15R	GFRST15RNL	GFRST15RB	GFRST15RU	—	—
	White	GFRST15W	GFRST15WNL	GFRST15WB	GFRST15WU	—	GFRST15W3
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFRST20AL	GFRST20ALNL	GFRST20ALB	GFRST20ALU	GFBFST20AL	—
	Black	GFRST20BK	GFRST20BKNL	GFRST20BKB	GFRST20BKU	GFBFST20BK	—
	Brown	GFRST20	GFRST20NL	GFRST20B	GFRST20U	GFBFST20	—
	Gray	GFRST20GY	GFRST20GYNL	GFRST20GYB	GFRST20GYU	GFBFST20GY	—
	Ivory	GFRST20I	GFRST20INL	GFRST20IB	GFRST20IU	GFBFST20I	GFRST20I3
	Light Almond	GFRST20LA	GFRST20LANL	GFRST20LAB	GFRST20LAU	GFBFST20LA	GFRST20LA3
	Red	GFRST20R	GFRST20RNL	GFRST20RB	GFRST20RU	GFBFST20R	—
	White	GFRST20W	GFRST20WNL	GFRST20WB	GFRST20WU	GFBFST20W	GFRST20W3

Standard SNAP*Connect*®

Rating	Color	Standard	Assembled in USA
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFRST15SNAPAL	GFRST15SNAPALNA
	Black	GFRST15SNAPBK	GFRST15SNAPBKNA
	Brown	GFRST15SNAP	GFRST15SNAPNA
	Gray	GFRST15SNAPGY	GFRST15SNAPGYNA
	Ivory	GFRST15SNAPI	GFRST15SNAPINA
	Light Almond	GFRST15SNAPLA	GFRST15SNAPLANA
	Red	GFRST15SNAPR	GFRST15SNAPRNA
	White	GFRST15SNAPW	GFRST15SNAPWNA
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFRST20SNAPAL	GFRST20SNAPALNA
	Black	GFRST20SNAPBK	GFRST20SNAPBKNA
	Brown	GFRST20SNAP	GFRST20SNAPNA
	Gray	GFRST20SNAPGY	GFRST20SNAPGYNA
	Ivory	GFRST20SNAPI	GFRST20SNAPINA
	Light Almond	GFRST20SNAPLA	GFRST20SNAPLANA
	Red	GFRST20SNAPR	GFRST20SNAPRNA
	White	GFRST20SNAPW	GFRST20SNAPWNA

SNAP*Connect*® Right Angle Pigtailed Terminal

Description	Type	Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid	SNAP1RA
	Stranded	SNAP2RA
Same as above. Assembled in USA.	Solid	SNAP1RNA
	Stranded	SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	SNAP1RAM2
	Stranded	SNAP2RAM2
Same as above. Assembled in USA.	Solid	SNAP1RNAM2
	Stranded	SNAP2RNAM2

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability.

Meets UL Standard 943
Class A GFCI

Features and Benefits

Heavy Duty Commercial Standard Hospital Grade GFCI Receptacles

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple

Hospital Grade ●

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Assembled in USA
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFRST82AL	GFRST82ALNL	GFRST82ALB	GFRST82ALU
	Black	GFRST82BK	GFRST82BKNL	GFRST82BKB	GFRST82BKU
	Brown	GFRST82	GFRST82NL	GFRST82B	GFRST82U
	Gray	GFRST82GY	GFRST82GYNL	GFRST82GYB	GFRST82GYU
	Ivory	GFRST82I	GFRST82INL	GFRST82IB	GFRST82IU
	Light Almond	GFRST82LA	GFRST82LANL	GFRST82LAB	GFRST82LAU
	Red	GFRST82R	GFRST82RNL	GFRST82RB	GFRST82RU
	White	GFRST82W	GFRST82WNL	GFRST82WB	GFRST82WU
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFRST83AL	GFRST83ALNL	GFRST83ALB	GFRST83ALU
	Black	GFRST83BK	GFRST83BKNL	GFRST83BKB	GFRST83BKU
	Brown	GFRST83	GFRST83NL	GFRST83B	GFRST83U
	Gray	GFRST83GY	GFRST83GYNL	GFRST83GYB	GFRST83GYU
	Ivory	GFRST83I	GFRST83INL	GFRST83IB	GFRST83IU
	Light Almond	GFRST83LA	GFRST83LANL	GFRST83LAB	GFRST83LAU
	Red	GFRST83R	GFRST83RNL	GFRST83RB	GFRST83RU
	White	GFRST83W	GFRST83WNL	GFRST83WB	GFRST83WU

Hospital Grade ●
SNAP*Connect*®

Rating	Color	Standard
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFRST82SNAPAL
	Black	GFRST82SNAPBK
	Brown	GFRST82SNAP
	Gray	GFRST82SNAPGY
	Ivory	GFRST82SNAPI
	Light Almond	GFRST82SNAPLA
	Red	GFRST82SNAPR
	White	GFRST82SNAPW
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFRST83SNAPAL
	Black	GFRST83SNAPBK
	Brown	GFRST83SNAP
	Gray	GFRST83SNAPGY
	Ivory	GFRST83SNAPI
	Light Almond	GFRST83SNAPLA
	Red	GFRST83SNAPR
	White	GFRST83SNAPW

SNAP*Connect*®
Right Angle Pigtailed Terminal

Description	Type	Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid Stranded	SNAP1RA SNAP2RA
Same as above. Assembled in USA.	Solid Stranded	SNAP1RNA SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid Stranded	SNAP1RAM2 SNAP2RAM2
Same as above. Assembled in USA.	Solid Stranded	SNAP1RNAM2 SNAP2RNAM2

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability.

Features and Benefits

Heavy Duty Commercial Tamper and Weather Resistant GFCI Receptacles

Meets UL Standard 943
Class A GFCI

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (406.12) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired

Tamper-Resistant
Weather Resistant

Rating	Color	Standard	Assembled in USA	Isolated Ground	SNAPConnect®	Right Angle Pigtailed Terminal
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFTWRST15AL	GFTWRST15ALU	GFTWRST15ALIG	GFTWRST15SNAPAL	Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.
	Black	GFTWRST15BK	GFTWRST15BKU	GFTWRST15BKIG	GFTWRST15SNAPBK	
	Brown	GFTWRST15	GFTWRST15U	GFTWRST15IG	GFTWRST15SNAP	
	Gray	GFTWRST15GY	GFTWRST15GYU	GFTWRST15GYIG	GFTWRST15SNAPGY	
	Ivory	GFTWRST15I	GFTWRST15IU	GFTWRST15IIG	GFTWRST15SNAPI	
	Light Almond	GFTWRST15LA	GFTWRST15LAU	GFTWRST15LAIG	GFTWRST15SNAPLA	
	Orange	–	–	GFTWRST15ORIG	–	
	Red	GFTWRST15R	GFTWRST15RU	GFTWRST15RIG	GFTWRST15SNAPR	Solid **SNAP1RA**
	White	GFTWRST15W	GFTWRST15WU	GFTWRST15WIG	GFTWRST15SNAPW	Stranded **SNAP2RA**
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFTWRST20AL	GFTWRST20ALU	GFTWRST20ALIG	GFTWRST20SNAPAL	Same as above. Assembled in USA.
	Black	GFTWRST20BK	GFTWRST20BKU	GFTWRST20BKIG	GFTWRST20SNAPBK	
	Brown	GFTWRST20	GFTWRST20U	GFTWRST20IG	GFTWRST20SNAP	
	Gray	GFTWRST20GY	GFTWRST20GYU	GFTWRST20GYIG	GFTWRST20SNAPGY	
	Ivory	GFTWRST20I	GFTWRST20IU	GFTWRST20IIG	GFTWRST20SNAPI	
	Light Almond	GFTWRST20LA	GFTWRST20LAU	GFTWRST20LAIG	GFTWRST20SNAPLA	Solid **SNAP1RNA**
	Orange	–	–	GFTWRST20ORIG	–	Stranded **SNAP2RNA**
	Red	GFTWRST20R	GFTWRST20RU	GFTWRST20RIG	GFTWRST20SNAPR	
	White	GFTWRST20W	GFTWRST20WU	GFTWRST20WIG	GFTWRST20SNAPW	

Hospital Grade ●
Tamper-Resistant
Weather Resistant

Rating	Color	Standard	Assembled in USA	Isolated Ground	SNAPConnect®	Right Angle Pigtailed Terminal
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFTWRST82AL	GFTWRST82ALU	GFTWRST82ALIG	GFTWRST82SNAPAL	Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.
	Black	GFTWRST82BK	GFTWRST82BKU	GFTWRST82BKIG	GFTWRST82SNAPBK	
	Brown	GFTWRST82	GFTWRST82U	GFTWRST82IG	GFTWRST82SNAP	
	Gray	GFTWRST82GY	GFTWRST82GYU	GFTWRST82GYIG	GFTWRST82SNAPGY	
	Ivory	GFTWRST82I	GFTWRST82IU	GFTWRST82IIG	GFTWRST82SNAPI	
	Light Almond	GFTWRST82LA	GFTWRST82LAU	GFTWRST82LAIG	GFTWRST82SNAPLA	
	Orange	–	–	GFTWRST82ORIG	–	
	Red	GFTWRST82R	GFTWRST82RU	GFTWRST82RIG	GFTWRST82SNAPR	Solid **SNAP1RA**
	White	GFTWRST82W	GFTWRST82WU	GFTWRST82WIG	GFTWRST82SNAPW	Stranded **SNAP2RA**
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFTWRST83AL	GFTWRST83ALU	GFTWRST83ALIG	GFTWRST83SNAPAL	Same as above. Assembled in USA.
	Black	GFTWRST83BK	GFTWRST83BKU	GFTWRST83BKIG	GFTWRST83SNAPBK	
	Brown	GFTWRST83	GFTWRST83U	GFTWRST83IG	GFTWRST83SNAP	
	Gray	GFTWRST83GY	GFTWRST83GYU	GFTWRST83GYIG	GFTWRST83SNAPGY	
	Ivory	GFTWRST83I	GFTWRST83IU	GFTWRST83IIG	GFTWRST83SNAPI	
	Light Almond	GFTWRST83LA	GFTWRST83LAU	GFTWRST83LAIG	GFTWRST83SNAPLA	Solid **SNAP1RNA**
	Orange	–	–	GFTWRST83ORIG	–	Stranded **SNAP2RNA**
	Red	GFTWRST83R	GFTWRST83RU	GFTWRST83RIG	GFTWRST83SNAPR	
	White	GFTWRST83W	GFTWRST83WU	GFTWRST83WIG	GFTWRST83SNAPW	

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability.

Features and Benefits

Heavy Duty Commercial Weather Resistant GFCI Receptacles

- Patented AUTOGUARD® self test technology
- Meets NEC® requirements for weather resistance (406.9), UV and corrosion resistance for harsh and damp applications
- Protects against line and load reversal, no power to the face or downstream if device is miswired

Weather Resistant

Rating	Color	Standard	Rating	Color	Standard
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	**GFWRST15AL**	**20A 125V** NEMA 5-20R UL CSA 1 HP	Almond	**GFWRST20AL**
	Black	**GFWRST15BK**		Black	**GFWRST20BK**
	Brown	**GFWRST15**		Brown	**GFWRST20**
	Gray	**GFWRST15GY**		Gray	**GFWRST20GY**
	Ivory	**GFWRST15I**		Ivory	**GFWRST20I**
	Light Almond	**GFWRST15LA**		Light Almond	**GFWRST20LA**
	Red	**GFWRST15R**		Red	**GFWRST20R**
	White	**GFWRST15W**		White	**GFWRST20W**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability.

Features and Benefits

UL 508 1.5HP GFCI Receptacles

Hubbell AUTOGUARD® GFR products continually test and monitor for "people protection capability" automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. Also, visual indicators are clearly provided on the device face representing "power status", "trip condition", "ground fault condition" and "end of life status".

- Blank face 1.5 horsepower motor control rated switch UL508 listed. Also listed to Underwriters Laboratories standard 943 for Class A GFCI
- If wired incorrectly there will be no power to the face or to downstream receptacles for added safety. (2) LED indicators provide immediate status of power, trip condition and ability to provide GFCI protection
- In addition to providing Class A GFCI protection, the HP series includes a 1.5 HP rating for motor control switching per UL508

GFBFHP20GY

UL 508 1.5HP GFCI

Rating	Color	Standard
20A 125V 1.5 HP	Black	**GFBFHP20BK**
	Brown	**GFBFHP20**
	Gray	**GFBFHP20GY**
	Ivory	**GFBFHP20I**
	Light Almond	**GFBFHP20LA**
	Red	**GFBFHP20R**
	White	**GFBFHP20W**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

Heavy Duty SNAPConnect® Commercial Grade GFCI Receptacles

Requires minimal box space
- Compact size
- Clean finished look

Installation ease
- Self-grounding staple

Audible SNAP, indicates solid connection
- Secure, easy grip latch

Inspection of power contacts
- Clear terminal housing
- No exposed metal

No Special Tester Required
.085 inch keyhole accepts the probe points found on the most common voltage testers and digital multi-meters

Labor Savings Feature!

Save one Minute!
Rough-in the SNAP*Connect*® terminal instead of pigtails.

Save Over Three Minutes!
Remove protective packaging and SNAP*Connect*® device to the circuit.

Complete Trim-Out in Less Than One Minute!
Secure mounting screws, attach wallplate, job complete.

Ground Fault Products

Features and Benefits

Arc Fault AFCI Receptacles

- Meets new 2017 National Electric Code for AFCI Protection
- Qualified to Federal Specification Listing WC596
- Meets or exceeds UL requirements for tripping time on series and parallel arcs
- Tamper-Resistant and self grounding construction are standard features
- Green power ON LED indicator
- Automatically tests the AFCI each time the reset button is pressed in place
- No reset when tested if AFCI functionality is compromised

Arc Fault AFCI Receptacles

Rating	Color	Standard	Rating	Color	Standard	Blank Face
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	**AFR15TRBK**	**20A 125V** NEMA 5-20R UL CSA 1 HP	Black	**AFR20TRBK**	—
	Brown	**AFR15TR**		Brown	**AFR20TR**	—
	Gray	**AFR15TRGY**		Gray	**AFR20TRGY**	—
	Ivory	**AFR15TRI**		Ivory	**AFR20TRI**	**AFR20BFI**
	Light Almond	**AFR15TRLA**		Light Almond	**AFR20TRLA**	**AFR20BFW**
	White	**AFR15TRW**		White	**AFR20TRW**	—

Specifications

Ratings

Amperage	15 Amp/20 Amp
Feed-thru	20 Amp Protection
Voltage	120V AC (+10% to15%) (102V to 132V)
Horsepower	(1) @ Rated Voltage
Flammability	Rated V2 per UL 94
Operating Temperature	(-35°C to 66°C) or (-30°F to 150°F)

Certifications

UL1699A	E366570
UL498	Receptacle
UL Fed Spec	WC-596
CSA Standard	C22.2 No. 42
CSA Tech	Letter No. M-02A
NEMA	WD-6

Tamper-Resistant
NEC® 406.12; 210.52 – All 15 and 20A 125V, receptacles shall be listed Tamper-Resistant for dwelling installations.

Construction

Termination	Back and Side
Terminal	#14-10 AWG
Grounding	Self-Grounding Clip
Indicators	Power & Rev Wire
Configuration	2 Pole, 3 Wire
NEMA	5-15R, 5-20R

Note: The Hubbell "AFR" series meets all requirements for an outlet branch-circuit type AFCI; protects branch circuit wiring and extensions to branches such including appliances and cord sets. All GFCI receptacles are furnished with a matching color nylon wallplate.

Product Dimensions

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

Dual Function AFCI/GFCI Receptacles

- Cost effective solution conveniently located within living space; clearly visible, easily resettable if necessary
- Dual functionality, interrupts power if a ground fault or arc fault is detected
- Safety feature prevents device from resetting if it can no longer provide protection or is reverse wired
- Intuitive visual indication is provided for power (LED green ON); trip condition (LED green OFF)
- Clear indication if unit can no longer provide protection (LED red flashes) and will not reset

Dual Function AFCI/GFCI Receptacles

Rating	Color	Standard	Rating	Color	Standard
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	**AFGF15TRBK**	**20A 125V** NEMA 5-20R UL CSA 1 HP	Black	**AFGF20TRBK**
	Brown	**AFGF15TR**		Brown	**AFGF20TR**
	Gray	**AFGF15TRGY**		Gray	**AFGF20TRGY**
	Ivory	**AFGF15TRI**		Ivory	**AFGF20TRI**
	Light Almond	**AFGF15TRLA**		Light Almond	**AFGF20TRLA**
	White	**AFGF15TRW**		White	**AFGF20TRW**

Specifications

Ratings

Amperage	15 Amp/20 Amp
Feed-thru	20 Amp Protection
Voltage	120V AC (+10% to -15%) (102V to 132V)
Horsepower	(1) @ 120V AC
Flammability	Rated V2 per UL 94
Operating Temperature	(-35°C to 66°C) or (-30°F to 150°F)

Certifications

UL1699A	E485931
UL498	Receptacle
UL943	GFCI
UL Fed Spec	WC-596
CSA Standard	C22.2 No. 42
CSA Tech	Letter No. M-02A
NEMA	WD-6

Construction

Termination	Back and Side
Terminal	#14-10 AWG
Grounding	Autoground Clip
Indicators	Power, Trip, End of Life
Configuration	2 Pole, 3 Wire
NEMA	5-15R, 5-20R

Note: All Hubbell "AFGF" series GFCI receptacles are furnished with a matching color nylon wallplate.

Product Dimensions

Dimensions in Inches (mm)

NEMA Type 4X

Typical Applications Include:

Power Generators, Spas, High Pressure Washers, Power Centers, Refineries and Mobile Power.

The sensing module functions interdependently with a magnetic branch circuit breaker. The module monitors the electrical circuit by use of an external differential current transformer. No direct load is present at the module. In the event of a ground fault, the load is interrupted by way of the hydraulic magnetic circuit breaker utilizing a shunt trip coil.

This line of Sensing Modules is rated from 1 to 50 Amps and circuit current-carrying conductors from 1 to 3 poles.

Product is available with an automatic or manual "safe start" reset feature. The enclosure, when mounted with the supplied gasket, achieves a UL NEMA Type 4X Rating. This module and breaker system is ideal for portable generator integration protecting all outlets on a generator. This system meets the proposed requirements for generators Underwriters Laboratory Standard 2201. UL/cUL 943 Listed, Class A 4-6mA trip level and UL1053 Compliant.

GFSM120M

GFSMCB120401P

GFCI Sensing Module, 50A Maximum

Description	Catalog Number
120V AC Sensing Module Auto	**GFSM120A**
120V AC Sensing Module Manual	**GFSM120M**
240V AC Sensing Module Auto	**GFSM240A**
240V AC Sensing Module Manual	**GFSM240M**

GFCI Sensing Module Circuit Breakers

Catalog Number Configurator

Ground Fault Sensing Module Circuit Breaker	A/C Voltage	Amperage	Number of Poles	Sensing Module Required
GFSMCB	120	1 to 50	1	**GFSM120A** or **M**
	120		2	**GFSM120A** or **M**
	240		2	**GFSM240A** or **M**
	120/240		2	**GFSM120A** or **M**
	120/240		3	**GFSM120A** or **M**

Example Catalog Numbers:
GFSMCB120401P: 120V, 40A, 1 Pole
GFSMCB240502P: 240V, 50A, 2 Pole
GFSMCB120240203P: 120/240V, 20A, 3 Pole

Note: Voltage tolerance +10% / -15%.
Consult factory for other available configurations.

Wiring Schematics

GFSMCB120xx1P

Current carrying leads must be twisted as they go through the sensing module.
CIRCUIT BREAKER
ORANGE SHUNT JUMPER
LOAD
H
PART # AUTO **GFSM120A** MAUUAL **GFSM120M**
120VAC GFCI SENSING MODULE
NC
C
LOAD--->
LINE
H
N
120V AC IN
N
WHITE
BLACK
YELLOW (SHUNT)
SINGLE PHASE 120VAC (HOT, NEUTRAL, GRND)
GROUND
G

GFSMCB240xx2P

Current carrying leads must be twisted as they go through the sensing module.
CIRCUIT BREAKER
ORANGE SHUNT JUMPER
LOAD
L1
L2
PART # AUTO **GFSM240A** MAUUAL **GFSM240M**
240VAC GFCI SENSING MODULE
NC
C
LOAD--->
LINE
L1
L2
240V AC IN
RED
BLACK
YELLOW (SHUNT)
SINGLE PHASE 240VAC (L1, L2, GRND)
GROUND
G

GFSMCB120240xx3P

Current carrying leads must be twisted as they go through the sensing module.
CIRCUIT BREAKER
ORANGE SHUNT JUMPER
LOAD
L2
L1
PART # AUTO **GFSM120A** MAUUAL **GFSM120M**
120VAC GFCI SENSING MODULE
NC
C
LOAD--->
LINE
L2
L1
N
120/240V AC IN
N
WHITE
BLACK
YELLOW (SHUNT)
SPLIT PHASE 120/240VAC (L1, L2, N, GRND)
GROUND
G

Dimensions in Inches (mm)

Circuit Guard® Wired On Industrial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, manual set, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP5266C**
GFCI plug, manual set, yellow.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP5266CY**
GFCI plug with 1 foot line cord, manual set, yellow, with connector body.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P, NEMA 5-15R.	**GFP1C**

Circuit Guard® Wired On Commercial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, automatic set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP515A**
GFCI plug, manual set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP515M**

GFP5266CY

Specifications

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature.
Amperage	15A.
Maximum Interrupting Capacity	2,000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized material. UL94V-0 flammability classification.
Input	NEMA 5-15P.
Cord Range	16/3 – 12/3 Type SJ, 18/3 – 12/3 Type S.
Cord Type: Length (GFP1C)	14/3 Type SJTW-A (UL), SJTW (CSA); 1 foot; NEMA 5-15R.
Power "ON" Indication	Indicator light.
Listings	Meets UL943 Class A Listed, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

GFP1C

GFP515A

Product Dimensions

GFP5266C Series

1.60" (40.6) .81" (20.5)
4.95" (125.7)
2.21" (56.1) 1.35" (34.3)

GFP515 Series

.125" MIN
1.36"
.843"
1.72"
1.90"
P.N.# AND DATE CODE LABEL SECTION
UL LABEL SECTION
4.25"
5.16"
"LED" INDICATOR
RESET BUTTON GREEN COLOR
TEST BUTTON BLUE COLOR
WARNING LABEL ENGRAVED
GFCI

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Ground Fault Products

Plug-In Portable GFCI and GFCI Tester

Circuit Guard® Plug-In Portable GFCI

Description	Rating	Catalog Number
Three outlet plug-in.	15A, 120V AC	**GFP315A**

GFP315A

Specifications

GFP315A

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature.
Amperage	15A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact ABS.
Input	NEMA 5-15P.
Output	3 NEMA 5-15R.
Fault Indication	Indicator light.
Center Screw	For optional permanent mounting.
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

GFCI Tester

Description	Rating	Catalog Number
Ground fault tester.	120V AC	**GFT2G**

GFT2G

- Designed to measure the trip level of portable or "wired-in" GFCI's in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.

Product Dimensions

Dimensions in Inches (mm)   *NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

Features and Benefits

Circuit Guard® Portable GFCI Line Cords

Portable GFCI Line Cords provide ground fault protection both indoors and out. They interrupt electrical power for equipment loads when leakage to ground is 4-6 milliamperes. Available in lengths of 18" (45.7 cm), 6' (182.9 cm), and 25' (762 cm). A 15' (457.2 cm) OEM version with stripped leads is also available. They are offered with an Automatic Set or Manual Set feature to meet your application.

Housing Design
- High impact UV stabilized housing resists dust, sunlight and chemicals for long life
- Watertight GFCI housing for use in harsh environments
- Available in Automatic Set with yellow base or Manual Set with black base

Molded Strain Relief
- Heavy-duty molded strain relief prevents conductor strain and resulting failure

Safety
- One-piece flush sealed keypads for greater reliability and resistance to damage due to impact
- Bright fault indicator light provides fault confirmation from a distance

Plug and Connector
- Heavy-duty molded plug and connector for reliable connection
- Solid (not formed) plug blades are crimped and soldered for a better connection and longer life

Industrial Grade, Portable GFCI Line Cords

IP21
SUITABILITY

Circuit Guard® Portable GFCI Line Cords, 15A 120V AC

Description	Automatic Set.	Manual Set
18" (45.7 cm) GFCI line cord.	**GFP4C15A**	**GFP4C15M**
6' (182.9 cm) GFCI line cord.	**GFP6C15A**	**GFP6C15M**
25' (762.0 cm) GFCI line cord.	**GFP25C15A**	**GFP25C15M**
15' (457.2 cm) GFCI power supply cord with stripped leads.	**GFPOEMA***	**GFPOEMM***
50' (1524.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	–	**GFP50C15WM**
100' (3048.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	–	**GFP100C15WM**

*Note: *Total length is 15' 4.5" (468.6 cm) including leads: green 4.5" (114.3), black and white 3.5" (88.9). Each pre-stripped .375" (9.5).*

GFP4C15A

Circuit Guard® Portable GFCI Line Cords, 20A 120V AC

Description	Automatic Set.	Manual Set
3' (91.4 cm) GFCI line cord.	–	**GFP3C20M**

GFP25C15A

Circuit Guard® Manual Set
Twist-Lock Portable GFCI Line Cords

Description	15A 120V AC	20A 120V AC
	Catalog Number	
3' (91.4 cm) GFCI line cord.	**GFP3C15MTL**	**GFP3C20MTL**

Automatic Set GFCI
Automatically energizes or sets the GFCI for use upon plug in and after the loss of primary power (power failure or unplugging the device). After a ground fault condition, unit must be reset by pushing the reset button. This feature eliminates the need for unit to be reset each time it is plugged in or powered up. Ideal for equipment intended for continuous use where a temporary power failure is likely and undesirable. Examples are pumps, pressure washers, portable signs or lighting and engine heaters.

Manual Set GFCI
Requires the GFCI to be manually set for use by pressing the reset button upon plug in and after loss of primary power (power failure or unplugging the device). Must be manually reset after a ground fault condition. Ideal for applications where operator injury might occur if equipment were to restart after a power failure. Typical equipment includes power drills, saws, lathes and grinders.

GFP6C15M

	Straight Blade	Twist-Lock®
Input	15A NEMA 5-15P, 20A NEMA 5-20P.	15A NEMA L5-15P HBL47CM20C, 20A NEMA L5-20P HBL23CM11.
Output	15A NEMA 5-15R (except GFPOEMM), 20A NEMA 5-20R.	15A NEMA L5-15R HBL47CM29C, 20A NEMA L5-20R HBL23CM13.

GFPOEMM

Specifications

Portable GFCI Line Cords

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature.
Amperage	15A/20A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Meets UL and CSA watertight requirements. Adhesive bonded.
Cord Type	14/3 SJTW-A (UL), SJTW (CSA). Except GFP3C20M, GFP3C15MTL and GFP3C20MTL are 12/3 SJTW.
Visual Fault Indication Light On	Indicates fault.
Listing and Standards	Meets UL943 Class A, UL File E41978, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

GFP3C20MTL

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Commercial Grade, Portable GFCI Line Cords

Circuit Guard® Portable GFCI Single Outlet, 15A 120V AC - 12/3 SJEOW

Description	Automatic Set.	Manual Set
2' (60.9 cm) GFCI line cord.	**GFP2CA**	**GFP2CM**
25' (762.0 cm) GFCI line cord.	**GFP25CA**	**GFP25CM**

GFP2CA

Circuit Guard® Portable GFCI Triple Tap Outlet, 15A 120V AC - 12/3 SJEOW

Description	Automatic Set.	Manual Set
2' (60.9 cm) GFCI line cord.	**GFP2TTA**	**GFP2TTM**
25' (762.0 cm) GFCI line cord.	**GFP25TTA**	**GFP25TTM**

Circuit Guard® OEM Equipment Integrated Cord Sets, 15A 120V AC - 14/3 SJEOW

Description	Automatic Set.	Manual Set
15' (457.2 cm) GFCI with flying leads.	**GFP15LA**	**GFP15LM**
35' (1066.8 cm) GFCI with flying leads.	**GFP35LA**	**GFP35LM**

GFP2TTA

15A GFCI In Line GFCI, Single and Triple Tap, 15A 120V AC - 12/3 SJTW

Description	Automatic Set.	Manual Set
2' (60.9 cm), 5-15 single tap.	**GFPIL15125A**	**GFPIL15125M**
2' (60.9 cm), 5-15 triple tap.	**GFPIL15125TRIA**	**GFPIL15125TRIM**

GFP15LA

20A GFCI In Line GFCI, Locking, 20A 120V AC - 12/3 SJTW

Description	Automatic Set.	Manual Set
2' (60.9 cm), L5-20 locking.	**GFPIL20125LKA**	**GFPIL20125LKM**

20A GFCI In Line GFCI, Locking, 20A 250V AC - 12/3 SJTW

Description	Automatic Set.	Manual Set
2' (60.9 cm), L6-20 locking.	**GFPIL20250LKA**	**GFPIL20250LKM**

GFPIL15125TRIM

Specifications

Portable GFCI Line Cords

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120/250V AC +10% - 15%. Incorporates no voltage release feature.
Amperage	15A/20A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Meets UL and CSA watertight requirements. Adhesive bonded.
Visual Fault Indication Light On	Indicates fault.
Listing and Standards	Meets UL943 Class A, UL File E41978, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

GFPIL20125LKA

GFPIL20125LKM

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

IP21
<small>SUITABILITY</small>

Multiple Outlet Portable GFCI

Description	Rating	Receptacles	Plug	Catalog Number
4 outlet, manual set, yellow.	15A, 120V AC	(2) Duplex 5-15R	NEMA 5-15P	**GFP15M**
4 outlet, manual set, yellow.	20A, 120V AC	(2) Duplex 5-20R	NEMA 5-20P	**GFP20M**

GFP15M

GFCI Module - UL Type 3R Rated

Description	Rating	Catalog Number
GFCI module, manual set, yellow.	20A, 120V AC, 60 Hz	**GFM20**
GFCI module, auto set, yellow.	20A, 120V AC, 60 Hz	**GFM20A**

GFM20

Specifications

	GFP15M / GFP20M	GFM20 / GFM20A
Trip Level	4 to 6 mA.	4 to 6 mA.
Trip Time	.025 sec. nominal.	.025 sec. nominal.
Frequency	60 Hz.	60 Hz.
Voltage	120V AC +10% - 15%. No voltage release feature.	120V AC +10% - 15%. No voltage release feature.
Maximum Interrupting Capacity	5000A.	5000A.
Current	15A / 20A.	20A / 20A Feed-through.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.	-35°C to 66°C or -30°F to 150°F.
Housing Rating	High-impact, yellow Valox® with protective lift covers.	High-impact, UV stabilized, rigid PVC. UL 94V-0 flammability classification. UL Type 3R Rated.
Input	5-15P, 15A / 5-20P, 20A. IP21 Suitability.	#12 AWG stranded conductors (black/white/green).
Output	5-15R(4), 15A / 5-20R(4), 20A.	#12 AWG stranded conductors (red/gray).
Power Supply Cord	6' (182.9 cm) STOW-A (STW FT2 CSA).	N/A.
Mounting Screws	N/A.	Self-tapping, combination, #6-32.
Power "ON" Indication	LED indicator light.	LED indicator light.
Agency Approvals	UL Listed, UL498 for receptacles. Meets UL943 Class A for GFCI's.	UL Listed, CSA Certified. Meets UL943 Class A for GFCI's.
Codes	Meets all NEC® and CEC requirements.	Meets all NEC® and CEC requirements.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Applications

Power Generators	Agricultural Equipment	Production Assembly Equipment
Submersible Pumps	Cement Cutting Equipment	Spa and Hot Tubs
Textile	Food Processing	Vending Equipment

Automatic Reset GFCI

Manual Reset GFCI

Extra Heavy Duty Industrial Circuit Guard® Hard Wired 30A GFCI - UL Type 4X Rated

Description	Voltage	Alarm	Manual Set	Automatic Set
Hard wired, manual set and automatic set GFCIs.	120V AC	None	**GFHW13005**	**GFHW13105**
	120V AC	Audible	**GFHW13015**	**GFHW13115**
	240V AC	None	**GFHW23005**	**GFHW23105**
	240V AC	Audible	**GFHW23015**	**GFHW23115**
	120/240V AC	Audible	**GFHW33015**	**GFHW33115**
	3Ø 250V AC	None	**GFHW530**	**GFHW531**
	3Ø 120/208V AC	None	**GFHW430**	**GFHW431**

Specifications

Electrical Ratings

Rated Voltage	120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC.
Operating Voltage Range	85% to 110%.
Current	Up to 30A or device rating.
Frequency	60 Hz.
Trip Level	4-6 mA.
Phase	Single.
Response Time	.025 sec. Max.
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle.
Let Go Line Voltage	60% of rated.
Grounded Neutral Detection	6 Ohms or less.
Power Up	Manual or automatic reset.

Environmental Ratings

Housing Rating	UL Type 4X.
Construction	Industrial grade design.
Type	Class A GFCI.
Operating Temperature	-35°C to 66°C, -30°F to 150°F.
Leakage Current @ 93% Humidity	Zero.

Features

Life (Endurance)	10,000 cycles (6000 with load and 4000 without load). Open neutral protection Trips upon loss of neutral.
Grounded Neutral Protection	Trips if ground and neutral touch at load side.
Power On Indicator	Green light on.
Power Off Indicator	Red blinking light plus optional audible alarm.
Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground), 4 Wire Single Phase (Line 1,Line 2, Neutral and Ground).
Switch Interface	Double Insulated.
Latching Mechanism	Electromagnetic.

Physical Specifications

Wire Leads	#10 AWG, 24" long.
Unit Color	Gray with black cover.
Label Color on Portable and Hard Wired Units	Automatic reset: yellow background with black lettering. Manual reset: black background with yellow lettering.
Weight	1.40 lbs.

Related Code

Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G)
Construction Sites	NEC 590.6
Commercial Garages	NEC 511.12
Fountains	NEC 680.5B
Spas and Hot Tubs	NEC 680.40
Marinas	NEC 555.3

Product Dimensions

3.00" (76.2)
2X 2.27" (57.7)
2X 5.24" (133.1)
4X .20" (5.1)

Side View

2.64" (67.1)
3.28" (83.3) Panel Mount
5.75" (146.0)
2X .116" (2.9) Hole .75" (19.0) Deep
24.0" (609.6)

Dimensions in Inches (mm)

Applications

Pressure Washers	Portable Electric Heaters	Portable Power Tools
De-icing Equipment	Material Dryers	Submersible Pumps
Pipeline Heaters	Automotive Garages	Outdoor Signage

GFP1311

GFPIL30250LKM

3.37"
(85.6)

4.80"
(121.9)

Product Dimensions

Extra Heavy Duty Industrial Circuit Guard® Portable 30A GFCI - UL Type 4X Rated

Description	Cord Length	Voltage	Manual Set	Automatic Set
Portable, manual set and automatic set GFCIs.	2' (60.9 cm)	120V AC	**GFP1301**	**GFP1311**
	6' (182.9 cm)	120V AC	**GFP1305**	**GFP1315**
	25' (762.0 cm)	120V AC	**GFP1302**	**GFP1312**
	50' (1524.0 cm)	120V AC	**GFP1303**	**GFP1313**
	2' (60.9 cm)	240V AC	**GFP2301**	**GFP2311**
	25' (762.0 cm)	240V AC	**GFP2302**	**GFP2312**
	6' (182.9 cm)	120/240V AC	**GFP3305**	**GFP3315**
	6' (182.9 cm)	3Ø 250V AC	**GFP5305**	**GFP5315**
	6' (182.9 cm)	3Ø 120/208V AC	**GFP4305**	**GFP4315**

Extra Heavy Duty Industrial Circuit Guard® 30A GFCI In Line GFCI – Locking

Description	Cord Length	Voltage	Manual Set	Automatic Set
L5-30 locking.	2' (60.9 cm)	120V AC	**GFPIL30125LKM**	**GFPIL30125LKA**
L6-30 locking.	2' (60.9 cm)	250V AC	**GFPIL30250LKM**	**GFPIL30250LKA**

Plug and Connector Selector Chart (partial listing)

The chart below is a list of possible Hubbell plug and connector body products that can be used with the Hubbell Portable GFCIs.

Family	Style	Amps	Voltage	Hubbell Catalog Number
Insulgrip®	Straight Blade	15	120V AC	**HBL5266C** & **HBL5269C**
Insulgrip®	Twist-Lock®	30	240V AC	**HBL2621** & **HBL2623**
Watertight Safety-Shroud®	Twist-Lock®	30	240V AC	**HBL2621SW** & **HBL2623SW**
IEC Pin & Sleeve	Watertight Pin & Sleeve	30	240V AC	**HBL330P6W** & **HBL330C6W**
Insulgrip® Pin & Sleeve	Insulgrip® Pin & Sleeve	30	240V AC	**HBL330PS2W** & **HBL330CS2W**
Hubbellock®	Hubbellock®	20	120V AC	**HBL23035B** & **HBL23032B**

Specifications

Electrical Ratings

Rated Voltage	120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC.
Operating Voltage Range	85% to 110%.
Current	Up to 30A or device rating.
Frequency	60 Hz.
Trip Level	4-6 mA.
Response Time	25 mS Max.
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle.
Let Go Line Voltage	60% of rated.
Power Up	Manual or Automatic reset.

Environmental Ratings

Housing Rating	UL Type 4X.
Construction	Industrial grade design.
Type	Meets UL943 Class A GFCI.
Operating Temperature	-35°C to 66°C, -30°F to 150°F.
Leakage Current @ 93% Humidity	Zero.

Features

Life (Endurance)	10,000 cycles (6000 with load and 4000 without load).
Open Neutral Protection	Trips upon loss of neutral.
Grounded Neutral Protection	Trips if ground and neutral touch at load side.
Power On Indicator	Green light on.
Power Off Indicator	Red blinking light plus optional audible alarm.
Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground). 4 Wire Single Phase (Line 1, Line 2, Neutral and Ground).
Switch interface	Double Insulated.
Latching Mechanism	Electromagnetic.

Physical Specifications

Cord Type	2-50', 10/3 SJGOOW. 100', 8/3 SEOW.
Unit Color	Gray with black cover.
Label Color on Portable and Hard Wired Units	Automatic reset: Yellow background with black lettering. Manual reset: Black background with yellow lettering.
Weight	2 ft. 1.8 lbs., 6 ft. 2.7 lbs., 25 ft. 6.8 lbs., 50 ft. 12.4 lbs.,100 ft. 23.3 lbs.

Related Code

Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G)
Construction Sites	NEC 590.6
Commercial Garages	NEC 511.12
Outdoor Signs	NEC 600.10
Spas and Hot Tubs	NEC 680.40
Boat Yards	NEC 555.3

Dimensions in Inches (mm)

Table of Contents

HBL® Extra Heavy Duty Industrial Series

Industrial and Commercial Series GFCIs

Surge Protection Devices

HUBBELL® Wiring Device-Kellems

Products at a Glance

HBL® Extra Heavy Duty Hospital Grade

• Deep nylon body design increases impact and chemical resistance
• One-piece nickel-plated brass ground strap
• ID marking surface for quick circuit identification
• Square head, 10-thread bronze center rivet
• External back wire clamp

SpikeShield® Surge Suppression Plug Strips

• UL2930 HCOA's
• UL1449 SPD's available
• 15A and 20A versions
• 6 foot or 15 foot cords available
• USB versions in several models

Extra Heavy Duty SNAP*Connect*®

• Hospital and Specification Grade
• SNAPConnect® modular wiring device system saves installation time
• Eliminates screw terminations
• Steel mounting strap, self-grounding
• Compact size requires minimal space

Hubbell-PRO Heavy Duty

• Specification Grade and Hospital Grade
• Tamper-Resistant, NOT Plug Resistant™
• Power indicating LED feature optional
• Circuit ID marking area on Hospital Grade
• Steel mounting strap, self-grounding
• Assembled in USA

Hubbellock® Devices

• Mobile X-Ray devices
• Nylon cover, thermoset interior
• Armored, epoxy filled, rubber cord grip

USB Charger Receptacles

• Two Type-C, Type A&C and Type A port configurations, high power 5 Amp, 5 Volt USB output
• Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
• Patented Hubbell Tamper-Resistant technology uses cam action shutters
• Available in SNAP*Connect*® version

4-PLEX Receptacles

• Hospital Grade and Surge styles
• Mounts directly to 4-inch square box
• "A" and "B" circuit ID molded into face
• Removable knockouts for mounting to octagon concrete ring or box
• Heavy duty, triple wipe, brass power and ground contacts

Features and Benefits

Hubbell "Hospital Grade" Devices

UL requirements for Hospital Grade devices is more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas
- High tech reinforced thermoplastic polyester (RTP) back is tough and heat resistant

Because of these features and others, the benefit is performance, reliability and value for any health care facility.

Housing Design
- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
- Deep body design increases impact and chemical resistance

Terminals
- External wiring clamps allow for visual inspection of the terminals
- Unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination

One-Piece Mounting Strap
- Back wired ground terminal allows faster, easier installation
- One-piece nickel-plated brass integral ground strap for greater corrosion resistance
- Patented ground contact provides redundant grounding

Contacts
- Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed assembly arms reduce possibility of face/base separation

Identification
- I.D. marking surface provides quick, sure circuit identification
- All Hospital Grade devices are marked with the green dot symbol, required by UL

Center Rivet
- Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

HBL® Extra Heavy Duty Hospital Grade ● Receptacles

IP20 SUITABILITY

			15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Duplex		Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.		Black	**HBL8200BK**	–
		Blue	–	**HBL8300BL**
		Brown	**HBL8200**	**HBL8300**
		Gray	**HBL8200GY**	**HBL8300GY**
		Ivory	**HBL8200I**	**HBL8300I**
		Light Almond	**HBL8200LA**	**HBL8300LA**
		Red	**HBL8200RED**	**HBL8300RED**
		White	**HBL8200W**	**HBL8300W**
Flush, LED illuminated face, back and side wired.		Gray	**HBL8200ILGY**	**HBL8300ILGY**
		Ivory	**HBL8200ILI**	**HBL8300ILI**
		Red	**HBL8200ILR**	**HBL8300ILR**
		White	**HBL8200ILW**	**HBL8300ILW**
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).		Brown	**HBL8200SGA**	**HBL8300SGA**
		Gray	**HBL8200SGGYA**	**HBL8300SGGYA**
		Ivory	**HBL8200SGIA**	**HBL8300SGIA**
		Light Almond	–	**HBL8300SGLA**
		Red	**HBL8200SGRA**	**HBL8300SGRA**
		White	**HBL8200SGWA**	**HBL8300SGWA**
Isolated ground△		Orange	**IG8200**	**IG8300**
		Red	**IG8200R**	**IG8300R**
MRI Receptacle, Duplex				
MRI receptacle, flush, thermoplastic polyester face, back and side wired. 100% non-ferrous.		Ivory	**HBL8200IMRI**	**HBL8300IMRI**
		Light Almond	**HBL8200LAMRI**	**HBL8300LAMRI**
		Red	**HBL8200RMRI**	**HBL8300RMRI**
		White	**HBL8200WMRI**	**HBL8300WMRI**
Slender/Compact, Duplex				
Flush, thermoplastic polyester face, back, and side wired, Fed. Spec. verified.		Brown	**HBL8200H**	**HBL8300H**
		Gray	**HBL8200HG**	**HBL8300HG**
		Green	–	**HBL8300HGN**
		Ivory	**HBL8200HI**	**HBL8300HI**
		Light Almond	**HBL8200HLA**	**HBL8300HLA**
		Red	**HBL8200HRED**	**HBL8300HRED**
		White	**HBL8200HW**	**HBL8300HW**
Style Line® Decorator*				
Flush, nylon face, back and side wired.		Brown	**HBL2172**	**HBL2182**
		Gray	**HBL2172GY**	**HBL2182GY**
		Ivory	**HBL2172I**	**HBL2182I**
		Office White	–	**HBL2182OW**
		Red	**HBL2172R**	**HBL2182R**
		White	**HBL2172WA**	**HBL2182WA**
Isolated ground△		Ivory	–	**IG2182I**
		Orange	–	**IG2182**
		White	–	**IG2182WA**
Single				
Flush, nylon face, back and side wired, Fed. Spec. verified.		Almond	–	**HBL8310AL**
		Brown	**HBL8210**	**HBL8310**
		Gray	**HBL8210GY**	**HBL8310GY**
		Ivory	**HBL8210I**	**HBL8310I**
		Red	**HBL8210R**	**HBL8310R**
		White	**HBL8210W**	**HBL8310W**
Panel mount on 1.94 in. (49.2) centers.		Brown	**HBL8284**	–
		Ivory	**HBL8284I**	**HBL8384I**
Isolated ground△		Orange	**IG8210**	**IG8310**

Note: △*See section N for additional information on isolated ground devices.*
  **Not Fed. Spec. Listed.*
  See pages A-47 and A-48 for accessories.
  See page Tech-10 for Tamper-Resistant description.
  See section O for wallplates.

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

1.63" (41.4)
3.28" (83.3) **2.72" (69.0)** **.97" (24.6)**
HBL8200GY

1.63" (41.9)
3.28" (83.3) **2.75" (69.8)** **1.04" (26.4)**
HBL8300SGA

1.63" (41.4)
3.28" (83.3) **2.72" (69.0)** **.97" (24.6)**
HBL8300RMRI

1.36" (34.5)
3.28" (83.3) **2.75" (69.9)** **.80" (20.3)**
HBL2172

1.63" (41.4)
3.28" (83.3) **1.94" (49.3)** **1.19" (30.2)**
HBL8210GY

Dimensions in Inches (mm)   *NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

IP20
SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

Duplex

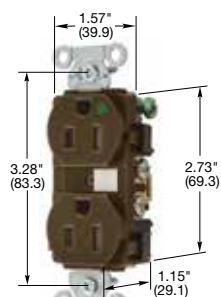| Description	Color	Catalog Number	
Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page A-15.	Black	**SNAP8200BKA**	**SNAP8300BKA**
	Brown	**SNAP8200A**	**SNAP8300A**
	Gray	**SNAP8200GYA**	**SNAP8300GYA**
	Ivory	**SNAP8200IA**	**SNAP8300IA**
	Light Almond	**SNAP8200LAA**	**SNAP8300LAA**
	Red	**SNAP8200RA**	**SNAP8300RA**
	White	**SNAP8200WA**	**SNAP8300WA**
Hospital grade, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKNA**	**SNAP8300BKNA**
	Brown	**SNAP8200NA**	**SNAP8300NA**
	Gray	**SNAP8200GYNA**	**SNAP8300GYNA**
	Ivory	**SNAP8200INA**	**SNAP8300INA**
	Light Almond	**SNAP8200LANA**	**SNAP8300LANA**
	Red	**SNAP8200RNA**	**SNAP8300RNA**
	White	**SNAP8200WNA**	**SNAP8300WNA**
Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKTRA**	**SNAP8300BKTRA**
	Brown	**SNAP8200TRA**	**SNAP8300TRA**
	Gray	**SNAP8200GYTRA**	**SNAP8300GYTRA**
	Ivory	**SNAP8200ITRA**	**SNAP8300ITRA**
	Light Almond	**SNAP8200LATRA**	**SNAP8300LATRA**
	Red	**SNAP8200RTRA**	**SNAP8300RTRA**
	White	**SNAP8200WTRA**	**SNAP8300WTRA**
Hospital grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKSCTRA**	**SNAP8300BKSCTRA**
	Brown	**SNAP8200SCTRA**	**SNAP8300SCTRA**
	Gray	**SNAP8200GYSCTRA**	**SNAP8300GYSCTRA**
	Ivory	**SNAP8200ISCTRA**	**SNAP8300ISCTRA**
	Light Almond	**SNAP8200LASCTRA**	**SNAP8300LASCTRA**
	Red	**SNAP8200RSCTRA**	**SNAP8300RSCTRA**
	White	**SNAP8200WSCTRA**	**SNAP8300WSCTRA**
Isolated ground△, Hospital grade, Tamper-Resistant.	Orange	**SNAP8200IGTRA**	**SNAP8300IGTRA**
	Red	**SNAP8200RIGTRA**	**SNAP8300RIGTRA**
Hospital grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKL**	**SNAP8300BKL**
	Brown	**SNAP8200L**	**SNAP8300L**
	Gray	**SNAP8200GYL**	**SNAP8300GYL**
	Ivory	**SNAP8200IL**	**SNAP8300IL**
	Light Almond	**SNAP8200LAL**	**SNAP8300LAL**
	Red	**SNAP8200RL**	**SNAP8300RL**
	White	**SNAP8200WL**	**SNAP8300WL**
Isolated ground△, Hospital grade, with Power Indicating LED.	Orange	**SNAP8200IGL**	**SNAP8300IGL**
	Red	**SNAP8200RIGL**	**SNAP8300RIGL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKLTRA**	**SNAP8300BKLTRA**
	Brown	**SNAP8200LTRA**	**SNAP8300LTRA**
	Gray	**SNAP8200GYLTRA**	**SNAP8300GYLTRA**
	Ivory	**SNAP8200ILTRA**	**SNAP8300ILTRA**
	Light Almond	**SNAP8200LALTRA**	**SNAP8300LALTRA**
	Red	**SNAP8200RLTRA**	**SNAP8300RLTRA**
	White	**SNAP8200WLTRA**	**SNAP8300WLTRA**
Isolated ground△, Hospital grade, TR with Power Indicating LED.	Orange	**SNAP8200IGLTRA**	**SNAP8300IGLTRA**
	Red	**SNAP8200RIGLTRA**	**SNAP8300RIGLTRA**

SNAP8300WA

1.56" (39.7)
3.28" (83.3)
2.62" (66.5)
.86" (21.9)

SNAP8300LATR

1.64" (41.7)
3.28" (83.3)
2.62" (66.5)
.86" (21.9)

SNAP8300L

1.64" (41.7)
3.28" (83.3)
2.62" (66.5)
.86" (21.9)

SNAP8300RLTR

1.64" (41.7)
3.28" (83.3)
2.62" (66.5)
.86" (21.9)

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Single Receptacles

	Hospital Grade ●		Hospital Grade ● Tamper-Resistant	
Color	15A 125V	20A 125V	15A 125V	20A 125V
Almond	**SNAP8210AL**	**SNAP8310AL**	**SNAP8210ALTR**	**SNAP8310ALTR**
Black	**SNAP8210BK**	**SNAP8310BK**	**SNAP8210BKTR**	**SNAP8310BKTR**
Blue	**SNAP8210BL**	**SNAP8310BL**	**SNAP8210BLTR**	**SNAP8310BLTR**
Brown	**SNAP8210**	**SNAP8310**	**SNAP8210TR**	**SNAP8310TR**
Gray	**SNAP8210GY**	**SNAP8310GY**	**SNAP8210GYTR**	**SNAP8310GYTR**
Ivory	**SNAP8210I**	**SNAP8310I**	**SNAP8210ITR**	**SNAP8310ITR**
Light Almond	**SNAP8210LA**	**SNAP8310LA**	**SNAP8210LATR**	**SNAP8310LATR**
Red	**SNAP8210R**	**SNAP8310R**	**SNAP8210RTR**	**SNAP8310RTR**
White	**SNAP8210W**	**SNAP8310W**	**SNAP8210WTR**	**SNAP8310WTR**

SNAP8310GY

1.63" (41.3)
3.28" (83.3)
2.00" (50.8)
.922" (23.4)

Dimensions in Inches (mm)

F UL S   UL   CSA
Fed.Spec.

IP20
SUITABILITY

G
W
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

G
W
20A 125V
NEMA 5-20R
UL CSA
1 HP

1.64"
(41.7)
3.28"
(83.3)
2.62"
(66.5)
.86"
(21.9)

SNAP2182A

1.64"
(41.7)
3.28"
(83.3)
2.62"
(66.5)
.86"
(21.9)

SNAP2182ITR

1.64"
(41.7)
3.28"
(83.3)
2.62"
(66.5)
.86"
(21.9)

SNAP2182RL

1.64"
(41.7)
3.28"
(83.3)
2.62"
(66.5)
.86"
(21.9)

SNAP2182GYLTR

3.95"
(100.3)
1.86"
(47.2)
1.44"
(36.6)
1.26"
(32.0)

SNAPCTG

Dimensions in Inches (mm)

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

Style Line® Decorator

Description	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page M-7.	Black	**SNAP2172BKA**	**SNAP2182BKA**
	Brown	**SNAP2172A**	**SNAP2182A**
	Gray	**SNAP2172GYA**	**SNAP2182GYA**
	Ivory	**SNAP2172IA**	**SNAP2182IA**
	Light Almond	**SNAP2172LAA**	**SNAP2182LAA**
	Red	**SNAP2172RA**	**SNAP2182RA**
	White	**SNAP2172WA**	**SNAP2182WA**
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page M-7. Assembled in USA.	Black	**SNAP2172BKNA**	**SNAP2182BKNA**
	Brown	**SNAP2172NA**	**SNAP2182NA**
	Gray	**SNAP2172GYNA**	**SNAP2182GYNA**
	Ivory	**SNAP2172INA**	**SNAP2182INA**
	Light Almond	**SNAP2172LANA**	**SNAP2182LANA**
	Red	**SNAP2172RNA**	**SNAP2182RNA**
	White	**SNAP2172WNA**	**SNAP2182WNA**
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page M-7. Assembled in USA.	Black	**SNAP2172BKTRA**	**SNAP2182BKTRA**
	Brown	**SNAP2172TRA**	**SNAP2182TRA**
	Gray	**SNAP2172GYTRA**	**SNAP2182GYTRA**
	Ivory	**SNAP2172ITRA**	**SNAP2182ITRA**
	Light Almond	**SNAP2172LATRA**	**SNAP2182LATRA**
	Red	**SNAP2172RTRA**	**SNAP2182RTRA**
	White	**SNAP2172WTRA**	**SNAP2182WTRA**
Hospital grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page M-7. Assembled in USA.	Black	**SNAP2172BKSCTRA**	**SNAP2182BKSCTRA**
	Brown	**SNAP2172SCTRA**	**SNAP2182SCTRA**
	Gray	**SNAP2172GYSCTRA**	**SNAP2182GYSCTRA**
	Ivory	**SNAP2172ISCTRA**	**SNAP2182ISCTRA**
	Light Almond	**SNAP2172LASCTRA**	**SNAP2182LASCTRA**
	Red	**SNAP2172RSCTRA**	**SNAP2182RSCTRA**
	White	**SNAP2172WSCTRA**	**SNAP2182WSCTRA**
Isolated ground△, Hospital grade, Tamper-Resistant.	Orange	**SNAP2172IGTRA**	**SNAP2182IGTRA**
	Red	**SNAP2172RIGTRA**	**SNAP2182RIGTRA**
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page M-7. Assembled in USA.	Black	**SNAP2172BKL**	**SNAP2182BKL**
	Brown	**SNAP2172L**	**SNAP2182L**
	Gray	**SNAP2172GYL**	**SNAP2182GYL**
	Ivory	**SNAP2172IL**	**SNAP2182IL**
	Light Almond	**SNAP2172LAL**	**SNAP2182LAL**
	Red	**SNAP2172RL**	**SNAP2182RL**
	White	**SNAP2172WL**	**SNAP2182WL**
Isolated ground△, Hospital grade, with Power Indicating LED.	Orange	**SNAP2172IGL**	**SNAP2182IGL**
	Red	**SNAP2172RIGL**	**SNAP2182RIGL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page M-7. Assembled in USA.	Black	**SNAP2172BKLTRA**	**SNAP2182BKLTRA**
	Brown	**SNAP2172LTRA**	**SNAP2182LTRA**
	Gray	**SNAP2172GYLTRA**	**SNAP2182GYLTRA**
	Ivory	**SNAP2172ILTRA**	**SNAP2182ILTRA**
	Light Almond	**SNAP2172LALTRA**	**SNAP2182LALTRA**
	Red	**SNAP2172RLTRA**	**SNAP2182RLTRA**
	White	**SNAP2172WLTRA**	**SNAP2182WLTRA**
Isolated ground△, Hospital grade, TR with Power Indicating LED.	Orange	**SNAP2172IGLTRA**	**SNAP2182IGLTRA**
	Red	**SNAP2172RIGLTRA**	**SNAP2182RIGLTRA**

Note: △See section N additional information on isolated ground devices and section O for wallplates.
See page A-5 for additional information on SNAPConnect features.
See Page M-7 for SNAPConnect pigtailed terminals.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See pages A-47 and A-48 for accessories.

SNAP*Connect*® Tester

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles	**SNAPCTG**

Meets UL
Standard 943
Class A GFCI

	G		G	
	W		W	

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Fed.Spec.

SNAP*Connect®* GFCI LED
Hospital Grade ● Receptacles

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Almond	**GFRST82SNAPAL**	**GFRST83SNAPAL**
	Black	**GFRST82SNAPBK**	**GFRST83SNAPBK**
	Brown	**GFRST82SNAP**	**GFRST83SNAP**
	Gray	**GFRST82SNAPGY**	**GFRST83SNAPGY**
	Ivory	**GFRST82SNAPI**	**GFRST83SNAPI**
	Light Almond	**GFRST82SNAPLA**	**GFRST83SNAPLA**
	Red	**GFRST82SNAPR**	**GFRST83SNAPR**
	White	**GFRST82SNAPW**	**GFRST83SNAPW**

1.75" (44.5)
3.28" (83.3)
2.76" (70.0)
1.10" (27.8)

GFRST83SNAPR

SNAP*Connect®* GFCI LED Hospital Grade ●
Tamper and Weather Resistant

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Almond	**GFTWRST82SNAPAL**	**GFTWRST83SNAPAL**
	Black	**GFTWRST82SNAPBK**	**GFTWRST83SNAPBK**
	Brown	**GFTWRST82SNAP**	**GFTWRST83SNAP**
	Gray	**GFTWRST82SNAPGY**	**GFTWRST83SNAPGY**
	Ivory	**GFTWRST82SNAPI**	**GFTWRST83SNAPI**
	Light Almond	**GFTWRST82SNAPLA**	**GFTWRST83SNAPLA**
	Red	**GFTWRST82SNAPR**	**GFTWRST83SNAPR**
	White	**GFTWRST82SNAPW**	**GFTWRST83SNAPW**

TR
WR

1.75" (44.5)
3.28" (83.3)
2.76" (70.0)
1.10" (27.8)

GFTWRST83SNAPI

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability. See page Tech-10 for Tamper-Resistant description.

SNAP*Connect®* USB Charger
Hospital Grade ● TR Receptacles

Description	Color	Catalog Number	
Hospital Grade SNAP*Connect* USB Charger, Tamper-Resistant Style Line**®** decorator duplex receptacle, two USB type 2.0 ports 3 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC.	Black	**SNAP8200USBBK**	**SNAP8300USBBK**
	Brown	**SNAP8200USB**	**SNAP8300USB**
	Gray	**SNAP8200USBGY**	**SNAP8300USBGY**
	Ivory	**SNAP8200USBI**	**SNAP8300USBI**
	Light Almond	**SNAP8200USBLA**	**SNAP8300USBLA**
	Red	**SNAP8200USBR**	**SNAP8300USBR**
	White	**SNAP8200USBW**	**SNAP8300USBW**

TR

1.75" (44.5)
3.28" (83.3)
2.62" (66.5)
1.54" (39.1)

SNAP8300USBW

SNAP*Connect®* Surge Protection
Hospital Grade ● Tamper-Resistant
Receptacle with Power Indicating LED

Description	Color	Catalog Number	
Hospital Grade SNAP*Connect* Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue	**SNAP8262S**	**SNAP8362S**
	Gray	**SNAP8262GYS**	**SNAP8362GYS**
	Ivory	**SNAP8262IS**	**SNAP8362IS**
	Light Almond	**SNAP8262LAS**	**SNAP8362LAS**
	Red	**SNAP8262RS**	**SNAP8362RS**
	White	**SNAP8262WS**	**SNAP8362WS**

PWR
TR

1.75" (44.5)
3.28" (83.3)
2.62" (66.5)
1.33" (33.8)

SNAP8262S

SNAP*Connect®* Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	**SNAP1RAM2**	**SNAP1RNAM2**
	Stranded	**SNAP2RAM2**	**SNAP2RNAM2**

.78" (19.8)
1.48" (37.6)
.63" (16.0)

SNAP1RA

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.

Dimensions in Inches (mm)

Features and Benefits

Hubbell-PRO Heavy Duty Receptacles

- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring

8200REDLTRA

| 15A 125V NEMA 5-15R UL CSA 0.5 HP | 20A 125V NEMA 5-20R UL CSA 1 HP |

8200LA

Dimensions: 1.57" (39.9), 3.28" (83.3), 2.73" (69.3), 1.15" (29.1)

8200TRA

Dimensions: 1.57" (39.9), 3.28" (83.3), 2.73" (69.3), 1.15" (29.1)

8200REDLTRA

Dimensions: 1.57" (39.9), 3.28" (83.3), 2.73" (69.3), 1.15" (29.1)

Dimensions in Inches (mm)

Hubbell-PRO Heavy Duty Hospital Grade ● Receptacles

Duplex

Description	Color	Catalog Number	
Hospital grade,	Black	**8200BK**	**8300BK**
smooth nylon face,	Brown	**8200**	**8300**
back and side wired.	Gray	**8200GY**	**8300GY**
Assembled in USA.	Ivory	**8200IV**	**8300IV**
	Light Almond	**8200LA**	**8300LA**
	Red	**8200RED**	**8300RED**
	White	**8200WHI**	**8300WHI**
Hospital grade, Tamper-Resistant,	Black	**8200BKTRA**	**8300BKTRA**
smooth nylon face,	Brown	**8200TRA**	**8300TRA**
back and side wired.	Gray	**8200GYTRA**	**8300GYTRA**
Assembled in USA.	Ivory	**8200IVTRA**	**8300IVTRA**
	Light Almond	**8200LATRA**	**8300LATRA**
	Red	**8200REDTRA**	**8300REDTRA**
	White	**8200WTRA**	**8300WTRA**
Hospital grade,	Black	**8200BKL**	**8300BKL**
with Power Indicating LED,	Brown	**8200L**	**8300L**
smooth nylon face,	Gray	**8200GYL**	**8300GYL**
back and side wired.	Ivory	**8200IVL**	**8300IVL**
Assembled in USA.	Light Almond	**8200LAL**	**8300LALM**
	Red	**8200REDL**	**8300REDL**
	White	**8200WL**	**8300WL**
Hospital grade, Tamper-Resistant,	Black	**8200BKLTRA**	**8300BKLTRA**
with Power Indicating LED,	Brown	**8200LTRA**	**8300LTRA**
smooth nylon face,	Gray	**8200GYLTRA**	**8300GYLTRA**
back and side wired.	Ivory	**8200IVLTRA**	**8300IVLTRA**
Assembled in USA.	Light Almond	**8200LALTRA**	**8300LALTRA**
	Red	**8200REDLTRA**	**8300REDLTRA**
	White	**8200WLTRA**	**8300WLTRA**

Note: See pages A-47 and A-48 for accessories.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section O for wallplates.

The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Features and Benefits

Hubbell-PRO Heavy Duty Receptacles

- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring

2182IVLTRA

Hubbell-PRO Heavy Duty
Hospital Grade ● Receptacles

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Style Line® Decorator

Description	Color	Catalog Number	
Hospital grade,	Black	2172BK	2182BK
Style Line® decorator,	Brown	2172	2182
flush, nylon face,	Gray	2172GY	2182GY
back and side wired.	Ivory	2172IV	2182IV
Assembled in USA.	Light Almond	2172LA	2182LA
	Red	2172RED	2182RED
	White	2172W	2182W
Hospital grade, Tamper-Resistant,	Black	2172BKTRA	2182BKTRA
Style Line® decorator,	Brown	2172TRA	2182TRA
flush, nylon face,	Gray	2172GYTRA	2182GYTRA
back and side wired.	Ivory	2172IVTRA	2182IVTRA
Assembled in USA.	Light Almond	2172LATRA	2182LATRA
	Red	2172REDTRA	2182REDTRA
	White	2172WTRA	2182WTRA
Hospital grade,	Black	2172BKL	2182BKL
with Power Indicating LED,	Brown	2172L	2182L
Style Line® decorator,	Gray	2172GYL	2182GYL
flush, nylon face,	Ivory	2172IVL	2182IVL
back and side wired.	Light Almond	2172LAL	2182LAL
Assembled in USA.	Red	2172REDL	2182REDL
	White	2172WL	2182WL
Hospital grade, Tamper-Resistant,	Black	2172BKLTRA	2182BKLTRA
with Power Indicating LED,	Brown	2172LTRA	2182LTRA
Style Line® decorator,	Gray	2172GYLTRA	2182GYLTRA
flush, nylon face,	Ivory	2172IVLTRA	2182IVLTRA
back and side wired.	Light Almond	2172LALTRA	2182LALTRA
Assembled in USA.	Red	2172REDLTRA	2182REDLTRA
	White	2172WLTRA	2182WLTRA

Note: See pages A-47 and A-48 for accessories.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section O for wallplates.

2172LATRA

1.57" (39.9)
3.28" (83.3)
2.73" (69.3)
1.15" (29.1)

2172L

2182IVLTRA

Dimensions in Inches (mm)

The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

HBL8600I

1.63" (41.4)
3.28" (83.3)
2.72" (69.0)
.97" (24.6)

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

HBL® Extra Heavy Duty
Hospital Grade ● Receptacles

Duplex

	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Brown	**HBL8600**	**HBL8400**
	Ivory	**HBL8600I**	**HBL8400I**

Note: See page A-48 for accessories.
See section O for wallplates.

USB8300C5W

1.75" (44.5)
3.28" (83.3)
2.61" (66.3)
1.82" (46.1)

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

c(UL)us

Hospital Grade ● USB Charger
Type-C, Type A&C and Type A

Description	Color	Catalog Number	
Hospital Grade USB Charger Outlet: two Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB8200C5BK**	**USB8300C5BK**
	Brown	**USB8200C5**	**USB8300C5**
	Gray	**USB8200C5GY**	**USB8300C5GY**
	Ivory	**USB8200C5I**	**USB8300C5I**
	Light Almond	**USB8200C5LA**	**USB8300C5LA**
	Red	**USB8200C5R**	**USB8300C5R**
	White	**USB8200C5W**	**USB8300C5W**
Hospital Grade USB Charger Outlet: one Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB8200AC5BK**	**USB8300AC5BK**
	Brown	**USB8200AC5**	**USB8300AC5**
	Gray	**USB8200AC5GY**	**USB8300AC5GY**
	Ivory	**USB8200AC5I**	**USB8300AC5I**
	Light Almond	**USB8200AC5LA**	**USB8300AC5LA**
	Red	**USB8200AC5R**	**USB8300AC5R**
	White	**USB8200AC5W**	**USB8300AC5W**
Hospital Grade USB Charger Outlet: two Type A port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB8200A5BK**	**USB8300A5BK**
	Brown	**USB8200A5**	**USB8300A5**
	Gray	**USB8200A5GY**	**USB8300A5GY**
	Ivory	**USB8200A5I**	**USB8300A5I**
	Light Almond	**USB8200A5LA**	**USB8300A5LA**
	Red	**USB8200A5R**	**USB8300A5R**
	White	**USB8200A5W**	**USB8300A5W**

USB8200AC5W

1.75" (44.5)
3.28" (83.3)
2.61" (66.3)
1.82" (46.1)

Note: See page A-7 for additional information on USB charger devices.

HBL415HI

.92" (23.4)
.1" (2.5)
4.30" sq. (109.2)
3.02" (76.7)
3.38" (85.9)

UL / CSA

4-PLEX® Hospital Grade ● Receptacles

Description	Color	Catalog Number	
4 outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box.	Brown	**HBL415H**	**HBL420H**
	Gray	–	**HBL420HGY**
	Ivory	**HBL415HI**	**HBL420HI**
	Red	**HBL415HR**	**HBL420HR**
	White	**HBL415HW**	**HBL420HW**

HBL4API

.38" (9.7)
3.28" (83.3)
4.78" (121.4)
.19" (4.8)
2.75" (69.9)
1.75" (44.5)
3.38" sq. (85.9)

4-PLEX® Accessories

Description	Color	Catalog Number	
4-PLEX adapter plates for 1- and 2-gang, device boxes.	Brown	**HBL4AP**	**HBL4AP**
	Gray	**HBL4APGY**	**HBL4APGY**
	Ivory	**HBL4API**	**HBL4API**
	Red	**HBL4APR**	**HBL4APR**
	White	**HBL4APW**	**HBL4APW**

Note: See page A-28 for additional information on 4-PLEX devices.

Dimensions in Inches (mm)

Hospital Grade ● Plugs

IP20 SUITABILITY

15A 125V NEMA 5-15P UL CSA

20A 125V NEMA 5-20P UL CSA

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8215C**	**HBL8315C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8215CT**	**HBL8315CT**
8 position angle plug, transparent housing.	.250"-.655" (6.4-16.6)	**HBL8215CAT***	**HBL8315CAT***

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8115V**	**HBL8364V**
Insulation displacement, white nylon.	.300"-.360" (7.6-9.1)	**HBL8013V***	**–**

*Note: *Not Fed. Spec. Listed.*
See page A-48 for accessories

1.97" (50.0)
1.53" (38.9)

HBL8215C

1.53" (38.9)
2.11" (53.6)
1.22" (30.9)

HBL8215CAT

IP20 SUITABILITY

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Hospital Grade ● Connector Bodies

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8219C**	**HBL8319C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8219CT**	**HBL8319CT**

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8119V**	**–**

Note: See page A-49 for accessories.

1.88" (47.75)
1.25" (31.8)
1.13" (28.7)

HBL8115V

2.78" (70.6)
1.53" (38.9)
1.40" (35.6)

HBL8219C

IP20 SUITABILITY

15A 250V NEMA 6-15P UL CSA 1.5 HP

20A 250V NEMA 6-20P UL CSA 2 HP

Hospital Grade ● Plugs

Valise®

Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300"-.660" (7.6-16.8)	**HBL8666V**	**HBL8464V**

Note: HP ratings listed above are based on 208 to 240V AC only.

15A 250V NEMA 6-15R UL CSA 1.5 HP

20A 250V NEMA 6-20R UL CSA 2 HP

Hospital Grade ● Connector Bodies

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**–**	**HBL8469V**

2.78" (70.6)
1.53" (38.9)
1.40" (35.6)

HBL8219CT

2.63" (66.8)
1.25" (31.8)
1.13" (28.7)

HBL8119V

1.88" (47.75)
1.13" (28.7)
1.25" (31.8)

HBL8666V

Dimensions in Inches (mm)

Features and Benefits

Extra Heavy Duty Hospital Grade ● GFCI Receptacles
Tamper-Resistant and Weather Resistant

- Corrosion resistant construction includes nickel plated brass mounting strap, line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester "V0" thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust
- Three indicators: power solid green, GF/trip solid red, end of life flashing red

Meets UL Standard 943
Class A GFCI

GF5262SGBK

AUTOGUARD® Self Test Hospital Grade ●
Tamper and Weather Resistant GFCI Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Rating	Color	Catalog Number	
Hospital Grade Extra Heavy	15 and 20A	Black	**GF8200SGBK**	GF8300SGBK
Duty Industrial Ground Fault	125V AC	Brown	**GF8200SG**	GF8300SG
Receptacle Feed Through,		Gray	**GF8200SGGY**	GF8300SGGY
Tamper and Weather		Ivory	**GF8200SGI**	GF8300SGI
Resistant		Red	**GF8200SGR**	GF8300SGR
		White	**GF8200SGW**	GF8300SGW

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color nylon wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

GF8300SGW

GFCI Receptacle Specifications per GFCI Products Listed (Pages M-12 to M-15)

Trip Level	4 to 6 mA.
Trip Time	.025 second nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15% (102V to 132V).
Amperage	15A/20A, 20A Feed-Thru.
Maximum Interrupting Capacity	10,000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Dust Resistant	Meets UL 943, section 6.20 for resistance to dust contaminants
Corrosion Resistant	Meets UL 943, section 6.21 for resistance to corrosion
FCC Part 15 Class B	Certified conformance to radiated and conducted emission testing per FCC
Immunity to noise	Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified.
Codes	Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

UL CSA

Meets UL Standard 943
Class A GFCI

Features and Benefits

Commercial Tamper-Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC® 517-18(c)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition

GFTRST83B

TR

Hospital Grade
Tamper-Resistant GFCI Receptacles

			15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Description	Rating	Color	Catalog Number	
Night Light	15 and 20A	Almond	**GFTRST82ALNL**	**GFTRST83ALNL**
Two LED Night Lights,	125V AC	Black	**GFTRST82BKNL**	**GFTRST83BKNL**
Flush, nylon face,		Brown	**GFTRST82NL**	**GFTRST83NL**
back and side wired,		Gray	**GFTRST82GYNL**	**GFTRST83GYNL**
multiple drive screws,		Ivory	**GFTRST82INL**	**GFTRST83INL**
self-grounding staple.		Light Almond	**GFTRST82LANL**	**GFTRST83LANL**
		Red	**GFTRST82RNL**	**GFTRST83RNL**
		White	**GFTRST82WNL**	**GFTRST83WNL**
Alarm,	15 and 20A	Almond	**GFTRST82ALB**	**GFTRST83ALB**
Flush, nylon face,	125V AC	Black	**GFTRST82BKB**	**GFTRST83BKB**
back and side wired,		Brown	**GFTRST82B**	**GFTRST83B**
multiple drive screws,		Gray	**GFTRST82GYB**	**GFTRST83GYB**
self-grounding staple.		Ivory	**GFTRST82IB**	**GFTRST83IB**
		Light Almond	**GFTRST82LAB**	**GFTRST83LAB**
		Red	**GFTRST82RB**	**GFTRST83RB**
		White	**GFTRST82WB**	**GFTRST83WB**

GFTRST83WNL

GFTRST83GYB

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability. See page Tech-10 for Tamper-Resistant description.

Product Dimensions

	GFCI Receptacle
A	3.27 (83.1)
B	2.75 (69.8)
C	1.75 (44.5)
D	1.47 (37.4)
E	1.10 (27.9)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Features and Benefits

Meets UL Standard 943
Class A GFCI

Commercial Tamper and Weather Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (517-18c) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired

GFTWRST83WIG

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

GFTWRST82AL

GFTWRST83GYU

GFTWRST82BKIG

GFTWRST83SNAPI

Hospital Grade ● Tamper-Resistant and Weather Resistant GFCI Receptacles

Description	Rating	Color	Catalog Number	
Standard, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Almond	GFTWRST82AL	GFTWRST83AL
		Black	GFTWRST82BK	GFTWRST83BK
		Brown	GFTWRST82	GFTWRST83
		Gray	GFTWRST82GY	GFTWRST83GY
		Ivory	GFTWRST82I	GFTWRST83I
		Light Almond	GFTWRST82LA	GFTWRST83LA
		Red	GFTWRST82R	GFTWRST83R
		White	GFTWRST82W	GFTWRST83W
Assembled in USA, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Almond	GFTWRST82ALU	GFTWRST83ALU
		Black	GFTWRST82BKU	GFTWRST83BKU
		Brown	GFTWRST82U	GFTWRST83U
		Gray	GFTWRST82GYU	GFTWRST83GYU
		Ivory	GFTWRST82IU	GFTWRST83IU
		Light Almond	GFTWRST82LAU	GFTWRST83LAU
		Red	GFTWRST82RU	GFTWRST83RU
		White	GFTWRST82WU	GFTWRST83WU
Isolated Ground, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Almond	GFTWRST82ALIG	GFTWRST83ALIG
		Black	GFTWRST82BKIG	GFTWRST83BKIG
		Brown	GFTWRST82IG	GFTWRST83IG
		Gray	GFTWRST82GYIG	GFTWRST83GYIG
		Ivory	GFTWRST82IIG	GFTWRST83IIG
		Light Almond	GFTWRST82LAIG	GFTWRST83LAIG
		Orange	GFTWRST82ORIG	GFTWRST83ORIG
		Red	GFTWRST82RIG	GFTWRST83RIG
		White	GFTWRST82WIG	GFTWRST83WIG
SNAPConnect®, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Almond	GFTWRST82SNAPAL	GFTWRST83SNAPAL
		Black	GFTWRST82SNAPBK	GFTWRST83SNAPBK
		Brown	GFTWRST82SNAP	GFTWRST83SNAP
		Gray	GFTWRST82SNAPGY	GFTWRST83SNAPGY
		Ivory	GFTWRST82SNAPI	GFTWRST83SNAPI
		Light Almond	GFTWRST82SNAPLA	GFTWRST83SNAPLA
		Red	GFTWRST82SNAPR	GFTWRST83SNAPR
		White	GFTWRST82SNAPW	GFTWRST83SNAPW

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability. See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

SNAPConnect® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	SNAP1RA	SNAP1RNA
	Stranded	SNAP2RA	SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	SNAP1RAM2	SNAP1RNAM2
	Stranded	SNAP2RAM2	SNAP2RNAM2

Note: For Assembled in USA products, must order connector with NA suffix.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

SNAP1RA

Features and Benefits

Commercial Standard Hospital Grade ● GFCI Receptacles

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple

GFRST82WNL

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● GFCI Receptacles

Description	Rating	Color	Catalog Number	
Standard, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Almond Black Brown Gray Ivory Light Almond Red White	GFRST82AL GFRST82BK GFRST82 GFRST82GY GFRST82I GFRST82LA GFRST82R GFRST82W	GFRST83AL GFRST83BK GFRST83 GFRST83GY GFRST83I GFRST83LA GFRST83R GFRST83W
Assembled in USA, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Almond Black Brown Gray Ivory Light Almond Red White	GFRST82ALU GFRST82BKU GFRST82U GFRST82GYU GFRST82IU GFRST82LAU GFRST82RU GFRST82WU	GFRST83ALU GFRST83BKU GFRST83U GFRST83GYU GFRST83IU GFRST83LAU GFRST83RU GFRST83WU
Night Light Two LED Night Lights, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Almond Black Brown Gray Ivory Light Almond Red White	GFRST82ALNL GFRST82BKNL GFRST82NL GFRST82GYNL GFRST82INL GFRST82LANL GFRST82RNL GFRST82WNL	GFRST83ALNL GFRST83BKNL GFRST83NL GFRST83GYNL GFRST83INL GFRST83LANL GFRST83RNL GFRST83WNL
Alarm, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Almond Black Brown Gray Ivory Light Almond Red White	GFRST82ALB GFRST82BKB GFRST82B GFRST82GYB GFRST82IB GFRST82LAB GFRST82RB GFRST82WB	GFRST83ALB GFRST83BKB GFRST83B GFRST83GYB GFRST83IB GFRST83LAB GFRST83RB GFRST83WB
SNAPConnect®, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Almond Black Brown Gray Ivory Light Almond Red White	GFRST82SNAPAL GFRST82SNAPBK GFRST82SNAP GFRST82SNAPGY GFRST82SNAPI GFRST82SNAPLA GFRST82SNAPR GFRST82SNAPW	GFRST83SNAPAL GFRST83SNAPBK GFRST83SNAP GFRST83SNAPGY GFRST83SNAPI GFRST83SNAPLA GFRST83SNAPR GFRST83SNAPW

GFRST82R

GFRST83INL

GFRST83BKB

GFRST83SNAPGY

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color nylon wallplate, 20 amp feed-through capability. Requires pigtailed connector see page M-14.

Surge Protection Devices

SNAP8362GYS

HBL8362ISA

HBL420HS

	G		G
	W		W
15A 125V		**20A 125V**	
NEMA 5-15R		NEMA 5-20R	
UL CSA		UL CSA	
0.5 HP		1 HP	

Hospital Grade ● Circuit Guard® Receptacles

Description	Color	Catalog Number	
SNAP*Connect*® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15000A peak current. Requires Snap connector on page M-14, sold separately.	Blue	**SNAP8262S**	**SNAP8362S**
	Gray	**SNAP8262GYS**	**SNAP8362GYS**
	Ivory	**SNAP8262IS**	**SNAP8362IS**
	Light Almond	**SNAP8262LAS**	**SNAP8362LAS**
	Red	**SNAP8262RS**	**SNAP8362RS**
	White	**SNAP8262WS**	**SNAP8362WS**
Surge suppression receptacles with light and alarm, 240 joules, 15000A peak current.	Almond	**HBL8262ALSA**	**HBL8362ALSA**
	Blue	**HBL8262SA**	**HBL8362SA**
	Gray	**HBL8262GYSA**	**HBL8362GYSA**
	Ivory	**HBL8262ISA**	**HBL8362ISA**
	Red	**HBL8262RSA**	**HBL8362RSA**
	White	**HBL8262WSA**	**HBL8362WSA**
Isolated ground, surge suppression receptacles with light and alarm, 240 joules, 15000A peak current.	Blue	**IG8262SA**	**IG8362SA**
	Gray	**IG8262GYSA**	**IG8362GYSA**
	Ivory	**IG8262ISA**	**IG8362ISA**
	Orange	**IG8262OSA**	**IG8362OSA**
	Red	**IG8262RSA**	**IG8362RSA**
	White	**IG8262WSA**	**IG8362WSA**
4-PLEX® surge suppression receptacles with lights, 80 joules, 6500A peak current.	Blue	–	**HBL420HS**
	Ivory	–	**HBL420HIS**
	Red	–	**HBL420HRS**

Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX Adapter Plates for 1- and 2-gang, and 4 in. (101.6) square device boxes.	Blue	**HBL4APBL**
	Ivory	**HBL4API**
	Red	**HBL4APR**
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Ivory	**HBL4PBI**

Note: 4-PLEX Box is not UL Listed.

UL2930 Listed

HBL6MGRPT620

UL2930 Health Care Outlet Assembly (HCOA)

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
UL 2930 HCOA with L-N surge protection.	6	6'	White	**HBL6MG6**	**HBL6MG620**
	6	15'	White	**HBL6MG15**	**HBL6MG1520**
UL 2930 HCOA, Relocatable Power Tap (RPT).	6	6'	White	**HBL6MGRPT6**	**HBL6MGRPT620**
	6	15'	White	**HBL6MGRPT15**	**HBL6MGRPT1520**

Listed to UL1449

c (UL) us

HBL6HGUSB6

SpikeShield® Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
Type 3 SPD, Heavy Duty metal housing.	6	6'	White	**HBL6HG6**	**HBL6HG620**
	6	15'	White	**HBL6HG15**	**HBL6HG1520**
UL Type 3 SPD, Heavy Duty metal housing with 2-port USB.	4	6'	White	**HBL6HGUSB6**	—

Dimensions in Inches (mm)

Hubbellock® Plugs, Connector Bodies and Receptacles

For Hospital Use Only

(UL) (CSA)®

20A 125V AC **20A 125V AC**

Hubbellock® Plugs and Connector Bodies

Description	Plugs	Connector Bodies
Nylon cover, thermoset interior.	**HBL23014HGB**	**HBL23001HGB**
Armored, epoxy filled, rubber cord grip.	**HBL23004HG**	**–**

Note: Cord clamp range for plug and connector .300" to .660" (7.6 to 16.8).

3.22" (81.8) 2.31" (58.7) 1.72" (43.7) DIA.

HBL23014HGB

Receptacles

Description		Catalog Number
Black, back wired.	–	**HBL23000HG**

3.56" (90.4) 1.72" (43.7) DIA. 1.63" (41.4) DIA.

HBL23001HGB

Wallplates

Description	Catalog Number
Stainless steel 302/304, single-gang.	**HBL23901HG**
Stainless steel 302/304, three-gang for two receptacles.	**HBL23909HG**

Note: Suffix HG or HGB type for hospital use only.

(UL) **IP30**
SUITABILITY

20A 125V AC

Explosion Proof Plug

Description	Catalog Number
Plug, with, epoxy kit, accepts #12 or #14 type SO cable.	**HBL24312**

2X #6-32 TAP
3.28" (83.3) 1.38" (35.1) DIA. 2.50" (63.5)
2.38" (60.5) 1.66" (42.2)

HBL23000HG

Hazardous to Non-hazardous Location Receptacle Conversion Kits

Conversion kits for replacement of explosion proof receptacles listed above, with non-explosion proof receptacles, in the hospital areas formerly classified as hazardous locations and now classified non-hazardous locations due to the change from flammable anesthetizing gases to nonflammable anesthetizing gases.

For Conversion To:	Catalog Number
20A, 125V, duplex receptacle (Hubbell HBL830 Series). Includes adapter ring and stainless steel wall plate for duplex receptacle (receptacle not included).	**HBL24300RKD**
20A, 125V, Hospital Hubbellock receptacle (Hubbell HBL23000HG) or 20A, 125V, straight blade single receptacle (Hubbell HBL8310 series). Includes adapter ring and stainless wall plate for single receptacle (receptacle not included.	**HBL24300RKS**

3.47" (88.1) 2.56" (65.0) 1.63" (41.3) DIA.

HBL24312

24352 Low-profile style explosion-proof receptacle (now discontinued).

HBL24300RKD Retrofit kit for duplex receptacles.

HBL24300RKD Duplex retrofit kit accepts 20A duplex straight blade hospital grade receptacles (HBL8300, HBL8300I, IG8300, etc.). Order receptacles separately.

HBL24300RKS Retrofit kit for single receptacles.

HBL24300RKS Single retrofit accepts hospital only Hubbellock single receptacles (Hubbell HBL23000HG) or 20A single straight blade hospital grade receptacles (Hubbell HBL8310, HBL8310I, IG8310, etc.). Order receptacles separately.

Dimensions in Inches (mm)

Hubbellock® Mobile X-Ray Devices

HBL25515

HBL25615

HBL25605

HBL25603

HBL25509

IP30
SUITABILITY

50A 250V AC   **60A 250V AC**

Mobile X-Ray Plugs

Description	Catalog Number	
Plug, with epoxy kit, less cord clamp.	**HBL25515**	**HBL25615**
Plug, with cord clamp, less epoxy kit.	**HBL25525**	**HBL25625**

Note: Cord clamp range of plugs with cord clamps .830" to 1.3" (21.1 to 33.0).
50A plugs fit 50A or 60A receptacles.

50A 250V AC   **60A 250V AC**

Mobile X-Ray Receptacles

Description	Catalog Number	
Receptacle with stainless steel plate assembly.	**HBL25505**	**HBL25605**
Receptacle with cast aluminum plate assembly.	**HBL25503**	**HBL25603**
Replacement receptacle interior.	**–**	**IN16494**

Accessory

Description	Catalog Number
Box stamped steel 8" x 8" x 4" (203.2 x 203.2 x 101.6), accommodates 50A and 60A mobile X-ray receptacles. Knockout sizes 1¼", 1½" and 2".	**HBL25509**

Dimensions in Inches (mm)

SECTION N

Table of Contents

Surge Protection Panels & Wired-In Branch Panels

SpikeShield® Surge Protection Plug Strips

Surge Protection & Isolated Ground Receptacles

Products at a Glance

**Surge Protection Panels and
Wired-In Branch Panels**

- 320,000, 160,000 and 120,000 peak amp capacity
- Wired-in branch panel protection 100,000 peak amp capacity
- Wired-in surge arrestors, single phase 36,000 and three phase 40,000
- Wired-in surge protective devices 50,000 peak amp capacity

SpikeShield® Surge Protection Plug Strips

- UL2930 Healthcare Outlet Assemblies
- UL1449 Surge Protective Devices
- 15A and 20A versions
- Available in metallic and non-metallic
- 6 foot or 15 foot cords available
- USB ports included in several models

Surge Protection Receptacles

- Available in Specification and Hospital Grade versions
- SNAPConnect® version with tamper-resistant shutters
- Isolated Ground Specification and Hospital Grade SPD's available

Isolated Ground Receptacles

- Available in Specification and Hospital Grade versions
- Twist-Lock® Isolated Ground available
- Isolated Ground SPD's also available

HUBBELL® Wiring Device-Kellems

Features and Benefits

Hubbell Surge Protective Devices (SPD)

A cascading approach is recommended for optimal surge protection of any facility or home. A cascading approach includes surge protection at the service entrance, branch panel and the point-of-use. Hubbell offers a comprehensive offering of panel surge products, innovative surge strips and the broadest surge receptacle offering in the industry.

The SpikeShield® line of panel surge protective devices offers a broad selection of products to meet the many requirements of industrial, commercial, institutional and residential applications. Hubbell offers a complete offering of high quality, cost effective panel surge products.

- All panel surge products are UL1449 4th edition listed

- Protection levels from 50 kA to 320 kA to handle all real world surge events

- 120, 160 and 320 kA versions feature bus bar construction, bolt down modules, surge counter and a metallic NEMA 1 enclosure

- Hubbell's wired-in surge units are ideal for service entrance, branch panel, or point of use applications such as protecting variable speed drives or other sensitive equipment on the plant floor

Housing Design
- Surface mounting
- Compact design with bus-bar pathways, allows installation in areas with space restrictions
- NEMA 1 enclosure
- All panel products are UL Listed to Standard 1449 4th edition

Interior Design
- Bolt-down modules, assures positive connection and allows for easy replacement
- Thermal fuse prevents the MOVs from overheating when exposed to high current levels
- Peak amp capacity for 120kA, 160kA and 320kA, protects equipment under the worst electrical conditions

Optional Disconnect Models
- 160 kA and 320 kA surge panels are available with an optional integral disconnect
- Integral switch allows power to SPD to be disconnected before opening the enclosure door

Protection
- Diagnostics panel
- LED and audible alarm for module failure with silencing
- UL 1449 Type 1 to be used in both Type 1 and Type 2 applications
- Type 1 SPD's can be located at any point in the electrical system, on the line or load side of the equipment over-current device

320kA and 160kA Service/Branch Panel Protection

The SpikeShield® service entrance product line includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

They incorporate a modular (replaceable surge protection modules) design and feature the latest industry approvals and safety ratings. Including UL1449 4th edition.

- Improved performance through the use of a low impedance bus-bar design
- Replaceable surge protection modules
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator

HBL4P320DB

HBL8P160DB

Service/Branch Panel Protection 320,000 Peak Amp Capacity (Type 1 SPD)

Voltage	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240V AC Single Phase	1Ph. 3-wire +G	**HBL3P320B**	**HBL3P320DB**	**HBL160M120B**
120/208V AC Wye*	3Ph. Wye 4-wire +G	**HBL4P320B**	**HBL4P320DB**	**HBL160M120B**
240V AC Delta	3Ph. Delta 3-wire Corner Gnd△	**HBL5P320B**	**HBL5P320DB**	**HBL160M240B**
240/120V AC Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6P320B**	**HBL6P320DB**	**HBL160M240BHL & HBL160M120B**
277/480V AC Wye**	3Ph. Wye 4-wire +G	**HBL8P320B**	**HBL8P320DB**	**HBL160M480B**
480V AC Delta	3Ph. Delta 3-wire Corner Gnd△	**HBL9P320B**	**HBL9P320DB**	**HBL160M480DB**
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10P320B**	**HBL10P320DB**	**HBL160M600B**
600V AC Delta	3Ph. Delta 3-wire Corner Gnd△	**HBL11P320B**	**HBL11P320DB**	**HBL160M600B**

Service/Branch Panel Protection 160,000 Peak Amp Capacity (Type 1 SPD)

Voltage	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240V AC Single Phase	1Ph. 3-wire +G	**HBL3P160B**	**HBL3P160DB**	**HBL160M120B**
120/208V AC Wye*	3Ph. Wye 4-wire +G	**HBL4P160B**	**HBL4P160DB**	**HBL160M120B**
240V AC Delta	3Ph. Delta 3-wire Corner Gnd△	**HBL5P160B**	**HBL5P160DB**	**HBL160M240B**
240/120V AC Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6P160B**	**HBL6P160DB**	**HBL160M240BHL & HBL160M120B**
277/480V AC Wye**	3Ph. Wye 4-wire +G	**HBL8P160B**	**HBL8P160DB**	**HBL160M480B**
480V AC Delta	3Ph. Delta 3-wire Corner Gnd△	**HBL9P160B**	**HBL9P160DB**	**HBL160M480DB**
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10P160B**	**HBL10P160DB**	**HBL160M347B**
600V AC Delta	3Ph. Delta 3-wire Corner Gnd△	**HBL11P160B**	**HBL11P160DB**	**HBL160M600B**

Note: Units come standard with Surge Counter.
*120/208 Wye also applies to 127/220 Wye.
**277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.

Electrical Specifications

320kA Panel	160kA Panel	SCCR◊	I_n	MCOV †	Voltage Protection Rating (VPR)							
					L-N		L-G		N-G		L-L	
					320kA	160kA	320kA	160kA	320kA	160kA	320kA	160kA
HBL3P320B	**HBL3P160B**	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL4P320B	**HBL4P160B**	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL5P320B	**HBL5P160B**	200kA	20kA	320/160	N/A	N/A	1500	1200	N/A	N/A	2000	1500
HBL6P320B	**HBL6P160B**	200kA	20kA	320/160	1000/1200	900/1500	900/1200	900/1200	800	700	1500	1500
HBL8P320B	**HBL8P160B**	200kA	20kA	320/160	1500	1200	1500	1200	1200	1200	2000	2500
HBL9P320B	**HBL9P160B**	200kA	20kA	320/160	N/A	N/A	1800	1800	N/A	N/A	2500	2500
HBL10P320B	**HBL10P160B**	200kA	20kA	320/160	1500	1500	1500	1500	1500	1500	2500	2500
HBL11P320B	**HBL11P160B**	200kA	20kA	320/160	N/A	N/A	3000	2500	N/A	N/A	2500	2500

Note: Specification applies to both (B) and (DB) series.
◊ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	320kA and 160kA
Max. Operating Temperature:	-20°F to 149°F (-4°C to 65°C)
Diagnostics Indicators:	Push to Test Diagnostics, Red and Green Status LED's. Dry Contacts, Audible Alarm and Surge Counter
Dimensions:	11.04"W x 22.44"H x 7.87"D (320kA) and 11.04"W x 20.32"H x 5.32"D (160kA)
Weight:	37 lbs. Max. (320kA) and 27 lbs. Max. (160kA)
Terminal Accommodation:	#10 AWG to #2 AWG
Operating Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
Housing Rating:	NEMA 1
Listing:	cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition.
Warranty:	10 year

120kA Service/Branch Panel Protection

The SpikeShield® 120kA branch panel product offering features
an economical, compact, modular design.

- Economical, compact, modular design
- Protect branch panels, safety switches and load centers
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator
- UL1449 4th edition

HBL8P120C

Service/Branch Panel Protection 120,000 Peak Amp Capacity (Type 1 SPD)

Voltage V AC	Configuration	Catalog Number	Replacement Module
120/240V AC Single Phase	1Ph. 3-wire +G	**HBL3P120C**	**HBL3P120CM**
120/208V AC Wye*	3Ph. Wye 4-wire +G	**HBL4P120C**	**HBL4P120CM**
240/120V AC Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6P120C**	**HBL6P120CMAC & HBL6P120CMB**
277/480V AC Wye**	3Ph. Wye 4-wire +G	**HBL8P120C**	**HBL8P120CM**
480V AC Delta	3Ph. Delta 3-wire Corner Gnd$^\Delta$	**HBL9P120C**	**HBL9P120CM**
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10P120C**	**HBL10P120CM**
600V AC Delta	3Ph. Delta 3-wire Corner Gnd$^\Delta$	**HBL11P120C**	**HBL11P120CM**

Note: Units come standard with Surge Counter.
*120/208 Wye also applies to 127/220 Wye.
**277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.

Electrical Specifications

120kA Panel	SCCR $\diamond$	I_n	MCOV $\dagger$	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3P120C	200kA	20kA	120	700	700	600	1000
HBL4P120C	200kA	20kA	120	700	700	600	1000
HBL6P120C	200kA	20kA	120	700/1000	700/1000	600	1200
HBL8P120C	200kA	20kA	120	1200	1200	1000	2000
HBL9P120C	200kA	20kA	120	N/A	1800	N/A	2000
HBL10P120C	200kA	20kA	120	1500	1500	1200	2500
HBL11P120C	200kA	20kA	120	N/A	2500	N/A	2500

Note: $\diamond$ SCCR - Short Circuit Current Rating. $\dagger$ MCOV - Maximum Continuous Operating Voltage. I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	120kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)
Diagnostics Indicators:	Push to Test Diagnostics, Red and Green Status LED's. Dry Contacts, Audible Alarm and Surge Counter
Dimensions:	11.04"W x 11.44"H x 5.32"D
Weight:	23.0 lbs. Max.
Terminal Accommodation:	#10 AWG to #2 AWG
Operating Frequency:	50/60/400 Hz
EMI/RFI:	Up to -30dB
Housing Rating:	NEMA 1
Listing:	cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition.
Warranty:	10 year

Wired-In Branch Panel Protection

The wired-in surge protection device brick design is ideal for areas where space is a major consideration. The surge unit can be mounted directly to the panel through a chase nipple connection which will reduce lead length and impedance while increasing protection levels.

The 100kA product features a NEMA 4X housing and a 200kA SCCR rating.

The SpikeShield wired-in surge protective devices are UL1449 4th edition listed.

- 100,000 Peak Amperage Capacity
- Ideal for areas where space is a major consideration
- Can be mounted directly to the panel through a chase nipple connection to reduce lead length and impedance

HBL9W100C

Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

Service Voltage	Configuration	Catalog Number
120/240V AC Single Phase	1Ph. 3-wire +G	**HBL3W100C**
120/208V AC Wye*	3Ph. Wye 4-wire +G	**HBL4W100C**
240V AC Delta	3Ph. Delta 3-wire Corner Gnd△	**HBL5W100C**
240/120V AC Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6W100C**
277/480V AC Wye**	3Ph. Wye 4-wire +G	**HBL8W100C**
480V AC Delta	3Ph. Delta 3-wire Corner Gnd△	**HBL9W100C**
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10W100C**
600V AC Delta	3Ph. Delta 3-wire Corner Gnd△	**HBL11W100C**

*Note: *120/208 Wye also applies to 127/220 Wye.*
   ***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*
   △Also can be used on ungrounded systems.

Electrical Specifications

Catalog Number	SCCR◇	I_n	MCOV †	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3W100C	200kA	20kA	150/270	900	1200	700	1500
HBL4W100C	200kA	20kA	150/270	900	1200	700	1500
HBL5W100C	200kA	20kA	300	N/A	N/A	N/A	1500
HBL6W100C	200kA	20kA	275/150	1000	1200	700	1500
HBL8W100C	200kA	20kA	320/640	1200	2000	1000	2500
HBL9W100C	200kA	20kA	640	N/A	N/A	N/A	3000
HBL10W100C	200kA	20kA	390/780	1500	2500	1500	3000
HBL11W100C	200kA	20kA	780	N/A	N/A	N/A	3000

Note: ◇SCCR - Short Circuit Current Rating.
   † MCOV - Maximum Continuous Operating Voltage.
   I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	100kA
Max. Operating Temperature:	-40°F to 140°F (-40°C to 60°C)
Diagnostics Indicators:	Green Status LED's, Audible Alarm, Dry Contacts
Dimensions:	9.9"W x 4.8"H x 3.1"D
Weight:	4.78 lbs.
Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
Housing Rating:	Type 4X
Listing:	cULus UL 1449 4th edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986
Warranty:	10 year

Wired-In Surge Arrestors and Protective Devices

Surge Arrestors are a low cost solution that may be installed on the line side or load side of the service entrance. These are also excellent for OEM applications where size is an important variable.

Hubbell's 50kA single phase wired-in high-quality surge protective device features a compact design, NEMA 4X rating and are UL1449 4th edition listed.

- 36,000, 40,000 and 50,000 Peak Amperage Capacity

- Surge arrestors are a low cost solution that may be installed on the line side or load side of the service entrance

- Excellent for OEM applications where size is an important variable

- Single phase wired-in surge protective devices feature a compact design

HBL3W50

HBL4SA40

HBLSDSA36

Wired-In High-Quality Surge Protective Device (Type 1 SPD)

Service Voltage	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240V AC Single Phase	1Ph. 3-wire + G	50kA	Side Nipple Mount	**HBL3W50**

Wired-In Surge Arrestors, Single Phase and Three Phase (Type 1 SPD)

Service Voltage	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240V AC Single Phase	1Ph. 3-wire	36kA	Back Nipple Mount	**HBLSDSA36**
120/208V AC Wye*	3Ph. 4-wire	40kA	Back Nipple Mount	**HBL4SA40**
240V AC Delta	3Ph. 3-wire	40kA	Back Nipple Mount	**HBL5SA40**
277/480V AC Wye**	3Ph. 4-wire	40kA	Back Nipple Mount	**HBL8SA40**
480V AC Delta	3Ph. 3-wire	40kA	Back Nipple Mount	**HBL9SA40**
347/600V AC Wye	3Ph. 4-wire	40kA	Back Nipple Mount	**HBL10SA40**
600V AC Delta	3Ph. 3-wire	40kA	Back Nipple Mount	**HBL11SA40**

Electrical Specifications

Catalog Number	SCCR ◇	I_n	MCOV †	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3W50	25kA	10kA	150 (L-N, L-G), 300 (L-L)	700	800	N/A	1200
HBLSDSA36	22kA	10kA	150	700	N/A	N/A	1200
HBL4SA40	200kA	10kA	180 (L-N), 360 (L-L)	700	N/A	N/A	1200
HBL5SA40	200kA	10kA	360 (L-L)	N/A	N/A	N/A	1200
HBL8SA40	200kA	10kA	420 (L-N), 840 (L-L)	1500	N/A	N/A	2500
HBL9SA40	200kA	10kA	840 (L-L)	N/A	N/A	N/A	2500
HBL10SA40	200kA	10kA	510 (L-N), 1020 (L-L)	1800	N/A	N/A	3000
HBL11SA40	200kA	10kA	1020 (L-L)	N/A	N/A	N/A	3000

Note: ◇ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. I_n - Nominal discharge current.

Product Specifications

Service Voltage	Single Phase	Single Phase	Three Phase
Max. Surge Current per Phase:	50kA	36kA	40kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)
Diagnostics Indicators:	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	3.0"W x 3.6"H x 2.67"D	2.25"W x 2.25"H x 1.94"D	3.60"W x 3.0"H x 2.64"D
Weight:	1.8 lbs.	.72 lbs.	1.8 lbs.
Terminal Accommodation:	#12 AWG Wire Leads	#14 AWG Wire Leads	#12 AWG Wire Leads
Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
EMI/RFI:	Up to -30dB	Up to -30dB	Up to -30dB
Housing Rating:	Type 4X	Type 4X	Type 4X
Listing:	UL1449 4th edition	UL1449 4th edition	UL1449 4th edition
Warranty:	10 year	2 year	2 year

Features and Benefits

UL2930 Healthcare Outlet Assembly (HCOA)

- Hubbell's UL2930 HCOAs are the industry first
- UL listed product for patient care areas
- Product is available with or without L-N surge protection
- 4 Outlet models feature straight plugs

UL2930 Listed

45° Angle Plug
(6 outlet 15A
models only)

HBL6MG620
Surge Protected
HCOA

HBL4MGRPT6
RPT HCOA

Housing Design and Safety

- First UL2930 product ever sold
- 15A and 20A 125V versions
- Surge or Non-surge protected models in all configurations
- Tamper-resistant flip covers
- Green LED indicates surge protection working

Contacts and Cord

- Equipment grounding terminal
- 6 ft. or 15 ft. cord length
- 12/3 AWG cord on 15A and 20A models
- 45° angle plug (6 outlet 15A models only)
- 90° angle plug (All 4 outlet and all 20A models)

HBL6MG6

HBL4MGRPT6

HBLHCOAMB

ROCMGS

UL2930 Healthcare (6) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA with L-N Surge Protection	6	550	6 Ft.	White	**HBL6MG6**	**HBL6MG620**
	6	550	15 Ft.	White	**HBL6MG15**	**HBL6MG1520**
UL2930 HCOA Relocatable Power Tap (RPT)	6	N/A	6 Ft.	White	**HBL6MGRPT6**	**HBL6MGRPT620**
	6	N/A	15 Ft.	White	**HBL6MGRPT15**	**HBL6MGRPT1520**

UL2930 Healthcare (4) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA with L-N Surge Protection	4	550	6 Ft.	White	**HBL4MG6**	**HBL4MG620**
	4	550	15 Ft.	White	**HBL4MG15**	**HBL4MG1520**
UL2930 HCOA Relocatable Power Tap (RPT)	4	N/A	6 Ft.	White	**HBL4MGRPT6**	**HBL4MGRPT620**
	4	N/A	15 Ft.	White	**HBL4MGRPT15**	**HBL4MGRPT1520**

Hubbell HCOA Accessories

Description	Color	Catalog Number
HCOA mounting bracket allows strips to be easily mounted to IV poles or other like medical devices.	Black	**HBLHCOAMB**
HCOA replacement outlet cover	White	**ROCMGS**

Healthcare Industry

- Hospital grade ● tamper-resistant receptacles with a hospital grade ● plug
- cULus 1449 4th edition
- Heavy duty metal housing
- Available with a 2-port USB charging outlet

Listed to UL1449 and UL1363

HBL6HGUSB6

Industrial Grade

- Tamper-resistant receptacles with a heavy duty plug
- cULus listed to UL1449 4th edition, UL1363
- Heavy duty metal housing

HBL6SS620

SpikeShield® Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

Description	# of Outlets	Joule Rating	Cord Length	Color	Healthcare Industry		Industrial Grade	
					15 Amp	20 Amp	15 Amp	20 Amp
UL Type 3 SPD, Heavy Duty Metal Housing	6	1100	6'	White	HBL6HG6	HBL6HG620	HBL6SS6	HBL6SS620
	6	1100	15'	White	HBL6HG15	HBL6HG1520	HBL6SS15	HBL6SS1520
UL Type 3 SPD, Heavy Duty Metal Housing with 2-port USB	4	1100	6'	White	HBL6HGUSB6	—	—	—

Metallic Surge Protection Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Metal Power Strip (No surge protection)	6	N/A	N/A	6'	Office White	N/A	HBL6MPS
Metal Power Strip (No surge protection)	6	N/A	N/A	15'	Office White	N/A	HBL6MPS15
Metal SPD	6	1050	19.5kA	6'	Office White	$2,500	HBL6MPS1050
Metal SPD	6	1050	19.5kA	15'	Office White	$2,500	HBL6MPS105015
SPD with Wire Management	6	350	6.5kA	6'	Yellow	$2,500	HBL6PS350YL
SPD with Wire Management	8	350	6.5kA	6'	Yellow	$2,500	HBL8PS350YL

HBL6MPS

HBL6PS350YL

Non-Metallic Surge Protection Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Power Strip (No surge protection)	6	N/A	N/A	6'	Office White	N/A	HBL6PPS
SPD	6	350	6.5kA	6'	Office White	$2,500	HBL6PS350A
SPD	6	350	6.5kA	15'	Office White	$2,500	HBL6PS35015A
SPD with Fax/Modem	6	1050	19.5kA	6'	Office White	$2,500	HBL6PS1050MA
SPD	7	1050	19.5kA	6'	Office White	$10,000	HBL7PS1050A
SPD with Fax/Modem	7	1050	19.5kA	6'	Office White	$10,000	HBL7PS1050MA
SPD	7	1050	19.5kA	15'	Office White	$10,000	HBL7PS105015A
SPD with Fax/Modem/CATV	8	2100	39kA	6'	Office White	$25,000	HBL8PS2100MA
SPD with Two USB Ports and 90° Angle Plug.	4	1050	19.5kA	6'	Black	$10,000	HBL4PS1050USBA

HBL6PS350A

HBL8PS2100MA

HBL4PS1050USBA

SpikeShield® Power Quality Products

Features and Benefits

Heavy Duty Relocatable Power Taps for Industrial, Commercial and Retail Applications

- Heavy-duty 18 gauge galvanized steel housing with durable powder coat finish
- Available in 15A and 20A configurations
- 6 Ft. and 15 Ft. cord length options for all models
- 15A models feature a 45° angle plug
- 20A models feature a 90° angle plug
- All models come with built in circuit breaker for over current protection
- Church-key openings on the back of the RPT for temporary mounting ease
- White powder coat RPTs feature UL Listed Hospital Grade, Tamper-Resistant Receptacles
- Black powder coat RPTs feature Specification Grade, Tamper-Resistant Receptacles

c(UL)us Listed to UL1363

HBL6RPT620

HBL6RPT6BK

Housing Design and Safety
- Heavy-duty 18 gauge galvanized steel housing with durable powder coat finish
- White or Black powder coat RPTs feature Tamper-Resistant Receptacles
- Church-key openings on the back of the RPT for temporary mounting ease

Contacts and Cord
- All models come with built in circuit breaker for over current protection
- 6 ft. or 15 ft. cord length
- 45° angle plug (15A series)
- 90° angle plug (20A series)

HBL6RPT6

HBL6RPT620BK

Relocatable Power Tap with Hospital Grade Tamper-Resistant Receptacles

Description	# of Outlets	Cord Length	Color	15A 125V	20A 125V
RPT, Heavy Duty Metal Housing	6	6 Ft.	White	**HBL6RPT6**	**HBL6RPT620**
	6	15 Ft.	White	**HBL6RPT15**	**HBL6RPT1520**

Relocatable Power Tap with Specification Grade Tamper-Resistant Receptacles

Description	# of Outlets	Cord Length	Color	Catalog Number	20A 125V
RPT, Heavy Duty Metal Housing	6	6 Ft.	Black	**HBL6RPT6BK**	**HBL6RPT620BK**
	6	15 Ft.	Black	**HBL6RPT15BK**	**HBL6RPT1520BK**

Relocatable Power Tap Specifications

Electrical Specifications

Current	15A	20A
Voltage	125V	125V
Frequency	60Hz	60Hz
Over Current Protection	15A CB	20A CB

Physical Specifications

Length	11.12" (282.4)
Width	2.22" (56.4)
Height	1.6" (40.5)

Environmental Specifications

Operating Temperature	-40°F to 160°F (-40°C to 70°C)

Certifications
cULus Listed UL1363 RPT

Specifications

UL2930 Heatlhcare Outlet Assembly

Electrical Specifications				
	HBL6MG6/15	HBL6MG20/1520	HBL6MGRPT6/15	HBL6MGRPT20/1520
Current	15A	20A	15A	20A
Voltage	125V	125V	125V	125V
Frequency	60Hz	60Hz	60Hz	60Hz
Surge Component	MOV	MOV	N/A	N/A

Performance		Environmental Specifications	
UL VPR L-N	600V	Operating	-40°F to 160°F
L-G, N-G	N/A	Temperature	(-40°C to 70°C)
EMI Noise Filtration:	-11 dB to -68 dB (10kHz to 100MHZ)		
In (Nominal Discharge Current)	3kA	**Certifications**	
MCOV	150V	UL 2930; UL File # E488399;	
Peak Current Rating L-N	30KA	RoHs Compliant; NFPA 99 2012 ed;	
Leakage Current:	<.1mA	ANSI/IEEE Category A (HBL6MG Series Only)	
Total Joules (L-N)	550j		

(N/A shown in the HBL6MGRPT columns for Performance section)

SpikeShield® Surge Protective Devices (SPD) with Industrial Grade Tamper-Resistant Receptacles and Heavy Duty Plug

Electrical Specifications	15 Amp HBL6SS/HBL6HG Series		20Amp HBL6SS/HBL6HG Series
Current	15A		20A
Voltage	125V		125V
Frequency	60Hz		60Hz
Surge Component	MOV		MOV
Over Current Protection	15A CB		20A CB
2-Port USB (HBL6HGUSB6)	5V DC Type A		N/A
UL VPR	L-N	L-G	N-G
	500V	600V	600V
MCOV	150V		
Peak Current Rating L-N	30KA		
Leakage Current:	<.5mA		
EMI / RFI Noise Rejection	-11 dB to -68 dB (10kHz to 100MHZ)		
Total Joules (all modes)	1100j		

Certifications
cULus Listed to UL1449 4th Edition, UL1363 4th Edition
UL File # E143272
RoHs Compliant
NFPA 99 2012 ed
ANSI / IEEE Category A
cULus Listed to UL1310 (2-Port USB)

Environmental Specifications
Operating Temperature   -40°F to 160°F (-40°C to 70°C)

SpikeShield® Surge Protection Plug Strips

Operating Specifications	PS350 Series	MPS350 Series	PS350YL Series	PS1050 Series
Max. Cont. Operating Voltage	130	130	130	130
Operating Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Max Surge Current	6.5 kA	6.5 kA	6.5 kA	19.5 kA
Operating Temperature	-------------------- -40°F to 160°F (-40°C to 70°C) ---------------------			
Performance				
UL Voltage Protection Rating	400V	400V	400V	400V
MI / RFI Noise Rejection	—	—	—	-20dB
Downline Warranty*	$2,500	$2,500	$2,500	$2,500 (6PS1050) $10,000 (all others)

Dimensions			
Series	Length	Width	Height
HBL6PS350/1050 Series & HBL6PPS	11.2" (284.5)	2.36" (59.9)	1.85" (47.0)
HBL7PS1050 Series	14.75" (374.7)	2.36" (59.9)	1.85" (47.0)
HBL6MPS Series	12.25" (311.2)	2.5" (63.5)	1.5" (38.1)
HBL6PS350YL	14.75" (374.7)	2.5" (63.5)	1.85" (47.0)
HBL8PS350YL	10.0" (254.0)	6.0" (152.4)	1.85" (47.0)
HBL4PS1050USB	10.38" (263.7))	3.81" (96.8)	1.44" (36.6)

*See warranty information inside product box for details.   *Lexan® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

Features and Benefits

Surge Protection Receptacles

Hubbell offers a broad range SPD receptacles with technology that is unsurpassed. Inside Hubbell SPD receptacles are two 22mm square MOVs providing 240 joules of surge protection for each mode. The nylon component shield protects the printed circuit board from contaminants. An all-glass, conformally coated PC board provides superior moisture immunity for longer life in humid environments.

- Alarmed and non-alarmed versions
- Available in 15A and 20A versions
- Commercial Specification Grade and Hospital Grade
- IG available in all versions

Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.

Housing Design
- Meets UL Standards 1449 4th Edition and 498; CSA Certified
- Impact-resistant nylon face
- Available in Hospital Grade, 4-PLEX®, SNAPConnect® and Tamper-Resistant
- Fits standard wall box

Terminals
- Back and side wiring capability provides easy installation with stranded or solid wire

One-Piece Mounting Strap
- Wrap-around, locked on steel mounting strap provides additional support strength for receptacle assembly
- Automatic self-grounding staple attached to bridge meets NEC® requirements

Contacts
- Green grounding screw connected directly to the grounding contacts

Identification
- Distinctive surge symbol provides quick visual identification
- Surge protection indicator light
- Muting screw allows damage-alert alarm to be silenced until device is replaced

4-PLEX Surge Receptacles
- Distinctive surge symbol
- Surge protection indicator light

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

15A 125V
NEMA 5-15R
UL CSA

20A 125V
NEMA 5-20R
UL CSA

Circuit Guard®, Specification Grade Duplex Receptacles

Description	Color	Catalog Number	
Surge protection receptacles with light, 240 joules, 15kA peak current.	Blue	**HBL5260SA**	**HBL5360SA**
	Ivory	**HBL5260ISA**	**HBL5360ISA**
	Office White	**HBL5260OWSA**	**HBL5360OWSA**
	White	**HBL5260WSA**	**HBL5360WSA**
Surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Almond	**HBL5262ALSA**	**HBL5362ALSA**
	Blue	**HBL5262SA**	**HBL5362SA**
	Gray	**HBL5262GYSA**	**HBL5362GYSA**
	Ivory	**HBL5262ISA**	**HBL5362ISA**
	Office White	**HBL5262OWSA**	**HBL5362OWSA**
	White	**HBL5262WSA**	**HBL5362WSA**
Isolated ground, surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue	**IG5262SA**	**IG5362SA**
	Gray	**IG5262GYSA**	**IG5362GYSA**
	Ivory	**IG5262ISA**	**IG5362ISA**
	Office White	**IG5262OWSA**	**IG5362OWSA**
	Orange	**IG5262OSA**	**IG5362OSA**
	White	**IG5262WSA**	**IG5362WSA**
4-PLEX® surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue	**HBL415S**	**HBL420S**
	Ivory	**HBL415IS**	**HBL420IS**

HBL5262GYSA

Circuit Guard®, Hospital Grade ● Duplex Receptacles

Description	Color	Catalog Number	
Surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Almond	**HBL8262ALSA**	**HBL8362ALSA**
	Blue	**HBL8262SA**	**HBL8362SA**
	Gray	**HBL8262GYSA**	**HBL8362GYSA**
	Ivory	**HBL8262ISA**	**HBL8362ISA**
	Red	**HBL8262RSA**	**HBL8362RSA**
	White	**HBL8262WSA**	**HBL8362WSA**
Isolated ground, surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue	**IG8262SA**	**IG8362SA**
	Gray	**IG8262GYSA**	**IG8362GYSA**
	Ivory	**IG8262ISA**	**IG8362ISA**
	Orange	**IG8262OSA**	**IG8362OSA**
	Red	**IG8262RSA**	**IG8362RSA**
	White	**IG8262WSA**	**IG8362WSA**
4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue	—	**HBL420HS**
	Ivory	—	**HBL420HIS**
	Red	—	**HBL420HRS**

IG5362SA

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang (4-PLEX mount directly to 4" (101.6) square device boxes).	Blue	**HBL4APBL**
	Ivory	**HBL4API**
	Red	**HBL4APR**
4-PLEX portable box. Portable 4" (101.6) square box with one cord grip. Accepts up to .66" (16.8) dia. cord.	Ivory	**HBL4PBI**

Note: 4-PLEX box is not UL Listed.

HBL8362ISA

Wallplates (Sold Separately)

Configuration	Color	High-Impact Nylon		Plated Steel		Stainless Steel (S/S) Brass	
		Standard	Mid-Size				
	Almond	**NP26AL**	**NPJ26AL**	Chrome	**SCH26**	Smooth S/S	**SS26**
	Blue	–	**NPJ26CBL***	Brass	**SBP26**	Smooth S/S	**SSJ26⤴**
	Blue	–	**NPJ26BL**	Plated		Smooth	**SB26**
	Gray	**NP26GY**	**NPJ26GY**			Brass	
	Ivory	–	**NPJ26C***				
	Ivory	**NP26I**	**NPJ26I**				
	Off. White	**NP26OW**	**NPJ26OW**				
	Orange	**NP26OIG****	–				
	Red	**NP26R**	**NPJ26R**				
1-Gang	White	**NP26W**	**NPJ26W**				

Note: *Premarked "COMPUTER ONLY." Lettering is block ¼" high.
**Premarked "ISOLATED GROUND." Lettering is block ¼" high.
⤴ Jumbo size plate.
See section O for additional wallplates.

HBL415S

Dimensions in Inches (mm)

Features and Benefits

SNAP*Connect*® Surge Protection and Isolated Ground Receptacles Heavy Duty Specification Grade

Hubbell's SNAP*Connect*® Isolated Ground devices are available in a variety of styles.

- All SNAP*Connect*® IG receptacles include Hubbell's industry best tamper resistant shutter

- 15A and 20A models are available in Hospital Grade, HG Decorator, Commercial Specification Grade, and Commercial Decorator versions

- SNAP*Connect*® IG devices are also available with a power indicating LED version in all the aforementioned grades. The power indicating product is also available in a non TR shutter design

- SNAP*Connect*® connectors come standard with solid or stranded 12 AWG THHN

Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.

Protection
- Hubbell surge receptacles offer 240 joules of protection and 15 kA peak current rating
- Surge protection LED indicator flashes when surge protection is lost
- Audible alarm also provides user notification that surge protection has been lost. Muting screw allows user to turn alarm OFF once replacement has been scheduled

Isolated Ground
- IG triangle on the face of the receptacle clearly indicates isolated ground device
- LED Power-ON indicator available on all models
- Hubbell's patented TR shutter design is utilize on all IG receptacles that feature the Tamper-Resistant option

Installation
- SNAP*Connect*® devices reduce labor time during installation and when being serviced in the future
- Connectors available with solid or stranded leads
- Custom length leads available
- Push on wire option also available on SNAP*Connect*® connectors

Installation
- SNAP*Connect*® Isolated ground devices are available in standard duplex design or decorator shape
- 15A and 20A version in Commercial Specification Grade and Hospital Grade
- SNAP*Connect*® Isolated Ground devices provide a clean ground path for sensitive equipment

SNAP*Connect*® Tamper-Resistant Surge Protection Receptacle with Power Indicating LED

15A 125V NEMA 5-15R UL CSA

20A 125V NEMA 5-20R UL CSA

Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15kA peak current.	Blue	**SNAP8262S**	**SNAP8362S**
	Gray	**SNAP8262GYS**	**SNAP8362GYS**
	Ivory	**SNAP8262IS**	**SNAP8362IS**
	Light Almond	**SNAP8262LAS**	**SNAP8362LAS**
	Red	**SNAP8262RS**	**SNAP8362RS**
	White	**SNAP8262WS**	**SNAP8362WS**
Commercial Grade SNAP*Connect*® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15kA peak current.	Blue	**SNAP5262S**	**SNAP5362S**
	Gray	**SNAP5262GYS**	**SNAP5362GYS**
	Ivory	**SNAP5262IS**	**SNAP5362IS**
	Light Almond	**SNAP5262LAS**	**SNAP5362LAS**
	White	**SNAP5262WS**	**SNAP5362WS**

PWR | TR

1.75" (44.3) — 3.31" (84.0) — 2.62" (66.5) — 1.33" (33.8)

SNAP5262S

SNAP*Connect*® Tamper-Resistant Isolated Ground Receptacle

Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP8200IGTRA**	**SNAP8300IGTRA**
	Red	**SNAP8200RIGTRA**	**SNAP8300RIGTRA**
Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP2172IGTRA**	**SNAP2182IGTRA**
	Red	**SNAP2172RIGTRA**	**SNAP2182RIGTRA**
Commercial Grade, isolated ground.	Orange	**SNAP5262IGTRA**	**SNAP5362IGTRA**
Style Line® decorator.	Orange	**SNAP2152IGTRA**	**SNAP2162IGTRA**

TR

1.64" (41.7) — 3.28" (83.3) — 2.62" (66.5) — .86" (21.9)

SNAP2182RIGTRA

SNAP*Connect*® Isolated Ground Receptacle with Power Indicating LED

Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP8200IGL**	**SNAP8300IGL**
	Red	**SNAP8200RIGL**	**SNAP8300RIGL**
Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP2172IGL**	**SNAP2182IGL**
	Red	**SNAP2172RIGL**	**SNAP2182RIGL**
Commercial Grade, isolated ground.	Orange	**SNAP5262IGL**	**SNAP5362IGL**
Style Line® decorator.	Orange	**SNAP2152IGL**	**SNAP2162IGL**

PWR

1.64" (41.7) — 3.28" (83.3) — 2.62" (66.5) — .86" (21.9)

SNAP5362IGL

SNAP*Connect*® Tamper-Resistant Isolated Ground Receptacle with Power Indicating LED

Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP8200IGLTRA**	**SNAP8300IGLTRA**
	Red	**SNAP8200RIGLTRA**	**SNAP8300RIGLTRA**
Commercial Grade Style Line® decorator.	Orange	**SNAP2172IGLTRA**	**SNAP2182IGLTRA**
	Red	**SNAP2172RIGLTRA**	**SNAP2182RIGLTRA**
Commercial Grade, isolated ground.	Orange	**SNAP5262IGLTRA**	**SNAP5362IGLTRA**
Style Line® decorator.	Orange	**SNAP2152IGLTRA**	**SNAP2162IGLTRA**

PWR | TR

1.64" (41.7) — 3.28" (83.3) — 2.62" (66.5) — .86" (21.9)

SNAP8300RIGLTRA

SNAP*Connect*® Right Angle Pigtailed Connector for General Use

Description	Solid Wire	Stranded Wire
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2, 600V, Polycarbonate housing material.	**SNAP1RA**	**SNAP2RA**

Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

.78" (19.8) — 1.48" (37.6) — .63" (16.0)

SNAP1RA

Dimensions in Inches (mm)

Features and Benefits

Straight Blade Isolated Ground Receptacles

In February 1968, Hubbell patented the first isolated ground receptacle. Today —when a clean, noise-free ground is more important than ever—Hubbell is still setting the standard.

Hubbell uses insulation barrier construction on many models to isolate the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. In this way, ground contacts are separated from the mounting strap and also from the conventional grounding system. The isolated ground circuit is completed by running a dedicated insulated ground wire from the system ground buss to the green grounding screw.

And there's more to the Hubbell line:
• Available in 19 NEMA configurations and a total of 60 different type receptacles.
• Versatility and mobility: With Hubbell's grounding method, Hubbell's IG devices can be mounted in boxes, on metal panels almost anywhere.
• Hubbell quality: Every Hubbell IG device meets and exceeds all applicable codes and standards, specially the toughest standard of all, the Hubbell standard of excellence.

Housing Design
• Dimensionally stable, reinforced thermoplastic polyester provides impact strength in addition to heat and flame resistance
• Impact-resistant nylon face
• Straight blade 15A and 20A, 125V duplex receptacles are available in a variety of colors

Terminals
• Back and side wiring capability provides easy installation with stranded or solid wire

One-Piece Mounting Strap
• Wrap-around, locked on brass mounting strap provides additional support strength for receptacle assembly
• Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box

Contacts
• Green grounding screw connected directly to the grounding contacts
• Insulation barrier construction — first patented by Hubbell — isolates ground contacts from the mounting strap

Identification
• IG triangle on the face of the receptacle clearly indicates isolated ground device
• Amperage and voltage clearly indicated

Center Rivet
• Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

Hospital Grade ●, HBL® Extra Heavy Duty, Isolated Ground Receptacles

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, duplex, back and side wired, multiple drive screws.	Orange	IG8200	IG8300
	Red	IG8200R	IG8300R
Style Line® decorator.	Orange	—	IG2182
	Ivory	—	IG2182I
	White	—	IG2182WA
Flush, thermoplastic polyester face, single.	Orange	IG8210	IG8310

1.33" (33.8) · 3.28" (83.3) · 2.73" (69.3) · .80" (20.3)

IG8200

15A and 20A, 125V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange	IG5262	IG5362
	Gray	IG5262GY	IG5362GY
	Ivory	IG5262I	IG5362I
	Red	IG5262R	IG5362R
	White	—	IG5362W
Weather Resistant, duplex, isolated ground.	Orange	IG5262WR	IG5362WR
	Gray	IG5262GYWR	IG5362GYWR
	Ivory	IG5262IWR	IG5362IWR
	Red	IG5262RWR	IG5362RWR
	White	—	IG5362WWR
Finder groove, nylon face, duplex, back and side wired.	Orange	CR5252IG	CR5352IG
	Black	CR5252IGBK	CR5352IGBK
	Blue	—	CR5352IGBL
	Gray	CR5252IGGY	CR5352IGGY
	Ivory	CR5252IGI	CR5352IGI
	Office White	CR5252IGOW	CR5352IGOW
	White	CR5252IGW	CR5352IGW
Style Line® decorator, flush, nylon face, back and side wired.	Orange	IG2152	IG2162
	Gray	—	IG2162GY
4-PLEX® receptacle.	Orange	IG415	IG420*
Flush, nylon face, single, back and side wired.	Orange	IG5261	IG5361
Weather Resistant, single, Isolated ground.	Orange	IG5261WR	IG5361WR

*Note: *Not Fed. Spec. Listed.*
See page Tech-10 for Weather Resistant description.
See page A-47 and A-48 for accessories.
See page A-28 for 4-PLEX accessories.

1.33" (33.8) · 3.28" (83.3) · 2.73" (69.3) · .80" (20.3)

IG5262

1.33" (33.8) · 3.28" (83.3) · 2.73" (69.3) · .80" (20.3) · 1.05" (26.7)

CR5252IG

3.38" (85.9) · 3.02" (76.7) · 4.30" sq. (109.2) · .92" (23.4) · .1" (2.5)

IG415

Dimensions in Inches (mm)

1.57" (39.9)
1.32" (33.6)
3.28" (83.3) **2.73"** (69.3)
.83" (21.1)

IG5352

1.57" (39.9)
1.32" (33.6)
3.28" (83.3) **2.73"** (69.3)
.83" (21.1)

IG20CR

1.57" (39.9)
1.30" (32.9)
3.28" (83.3) **2.73"** (69.3)
.83" (21.1)

IG20DR

2.25" (57.15)
3.28" (85.3) **3.68"** (93.5)
1.81" (46.0)

IG9308

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Hubbell-PRO Heavy Duty Specification Grade

Description	Color	Catalog Number	
Smooth face, duplex, back and side wired.	Orange	**IG5252**	**IG5352**
	Almond	**IG5252AL**	**IG5352AL**
	Gray	**IG5252GY**	**IG5352GY**
	Ivory	**IG5252I**	**IG5352I**
	Light Almond	**IG5252LA**	**IG5352LA**
	White	**IG5252W**	**IG5352W**
Tamper-Resistant, smooth face, duplex, back and side wired.	Orange	**IG5252TR**	**IG5352TR**
	Ivory	**IG5252ITR**	**IG5352ITR**
	White	**IG5252WTR**	**IG5352WTR**

Note: See page Tech-10 for Tamper-Resistant description.

Commercial Specification Grade

Description	Color	Catalog Number	
Smooth face, duplex, side wired.	Orange	**IG15CR**	**IG20CR**
	Almond	**IG15CRAL**	**IG20CRAL**
	Gray	**IG15CRGRY**	**IG20CRGRY**
	Ivory	**IG15CRI**	**IG20CRI**
	Light Almond	**IG15CRLA**	**IG20CRLA**
	White	**IG15CRWHI**	**IG20CRWHI**
Style Line® decorator; smooth face; back and side wired.	Orange	**IG15DR**	**IG20DR**
	Almond	**IG15DRAL**	**IG20DRAL**
	Gray	**IG15DRGRY**	**IG20DRGRY**
	Ivory	**IG15DRI**	**IG20DRI**
	Light Almond	**IG15DRLA**	**IG20DRLA**
	White	**IG15DRWHI**	**IG20DRWHI**

15A 250V NEMA 6-15R UL CSA 1.5 HP

20A 250V NEMA 6-20R UL CSA 2 HP

15A and 20A, 250V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles

Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange	**IG5662**	**IG5462**
Flush, nylon face, single.	Orange	**IG5661**	**IG5461**

IP20 SUITABILITY

30A 125V NEMA 5-30R UL CSA 2 HP

30A 250V NEMA 6-30R UL CSA 2 HP

30A, 125V and 250V Isolated Ground Receptacles

Description	Color	Catalog Number	
Single receptacle, 2 pole, 3 wire grounding.	Orange	**IG9308**	**IG9330**

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

Features and Benefits

Isolated Ground Twist-Lock® Receptacles

Hubbell uses insulation barrier construction to isolate the ground contacts from the mounting strip, providing a clean, noise-free ground for sensitive equipment.

Face color-coding by voltage facilitates locating and mating of proper devices.

125V AC   **250V AC**   **480V AC**   **125/250V AC**

Housing Design
• Impact-resistant nylon face
• Boss diameter is 1.56 in. (39.6) on 20 and 30A devices, simplifying installation
• Glass-filled thermoplastic polyester base is heat and impact resistant, providing dimensional stability and strength

Mounting Strap
• All-brass mounting and grounding system provides a low resistance ground path
• Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box

Identification
• Color-coding by voltage rating helps ensure mating of proper devices
• Amperage and voltage clearly indicated

Terminals
• Back and side wiring capability provides easy installation with stranded or solid wire

Contacts
• Insulation barrier construction first patented by Hubbell isolates ground contact from the mounting strap
• Wire restraint recess for both back and side wiring reduces terminal loosening
• One-piece contact with long spring arm (low stress) and oxide cutting nibs; prevents stress and overheating

Wiring
• #10 silicon bronze terminal screw provides excellent strength and resistance to corrosion and stripping
• External back wiring allows visual inspection of terminations

1.70" (43.2)

3.28" (83.3)   2.73" (69.5)

.95" (24.1)

IG4700A

15A, 125V and 250V
Back and Side Wired

15A 125V
NEMA L5-15R
UL/CSA

15A 250V
NEMA L6-15R
UL/CSA

Description	Poles/Wires	Color	Catalog Number	
Flush, RTP face, duplex.	2 pole, 3 wire	Orange	**IG4700A***	**IG4550A***
Flush, RTP face, single.	2 pole, 3 wire	Orange	**IG4710**	**IG4560**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
*Supplied with break-off tabs for split circuit wiring.

3.28" (83.3)   2.38" (60.5)

1.38" (35.1)

1.27" (32.3)

IG4710

20A, 125V, 250V and 480V AC
Back and Side Wired

20A 125V
NEMA L5-20R
UL/CSA
1 HP

20A 250V
NEMA L6-20R
UL/CSA
2 HP

20A 480V AC
NEMA L8-20R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number		
Flush, nylon face, single.	2 pole, 3 wire	Orange	**IG2310**	**IG2320**	**IG2340**

30A, 125V and 250V
Back and Side Wired

30A 125V
NEMA L5-30R
UL/CSA
2 HP

30A 250V
NEMA L6-30R
UL/CSA
2 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	2 pole, 3 wire	Orange	**IG2610**	**IG2620**

1.70" (43.2)   1.23" (31.2)

3.28" (83.3)   2.38" (60.5)

2.67" (67.8)   1.56" (39.6)

#6-32 TAP

.98" (24.9)

IG2310

20A, 125V/250V and 3Ø 250V AC
Back and Side Wired

20A 125/250V AC
NEMA L14-20R
UL/CSA
2 (1) HP

20A 3Ø 250V AC
NEMA L15-20R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	**IG2410**	**IG2420**

30A, 125V/250V and 3Ø 250V AC
Back and Side Wired

30A 125/250V AC
NEMA L14-30R
UL/CSA
2 (2) HP

30A 3Ø 250V AC
NEMA L15-30R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	**IG2710**	**IG2720**

20A and 30A, 3ØY 120/208V AC
Back and Side Wired

**20A 3ØY
120/208V AC**
NEMA L21-20R
UL/CSA
2 HP

**30A 3ØY
120/208V AC**
NEMA L21-30R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	4 pole, 5 wire	Orange	**IG2510**	**IG2810**

Dimensions in Inches (mm)

Specifications

Surge Protection Receptacles

	Part	Duplex HBL5262SA/HBL5362SA SNAP5262S/SNAP5362S	4-PLEX® HBL4AP
Typical Specification			
Type–2 Pole, 3 Wire, Grounding	Receptacle	15A/20A	15A/20A
	Top & Base	Nylon	Lexan®
	Power Contact	.031" (.8) Brass	.032" (.8) Brass
	Contact Design	Tandem Modified Bypass	Triple Wipe
Rating–15A, 125V AC/20A, 125V AC	Mounting Strap	.050" (1.3) Steel-Zinc Coated	–
Certification–UL Listed File E2186	Clamping Plate	.031" (.8) Brass	.031" (.8) Brass-Line Terminal Plate
Listed to UL Standards 498 Receptacles			.031" (.8) Brass-Neutral Terminal Plate
Meets UL1449 4th edition	Terminal Screws	Brass #8-32 (HBL only)	Brass #8-32
	Grounding Screw	Steel (Green) (HBL only)	Brass (Green)
CSA Certified to Specification C22.2 No. 42	Auto Grd. Clip	Stainless Steel	.050" (1.3) Ground Plate
ANSI/IEEE C62.41 (IEEE 587)	Mounting Screws	Steel-Zinc Plated	Brass
Installation Categories "A" (Ring Wave)	LED	Green	Green
"B" (Unidirectional Impulse)	Alarm Muting Screw	Nylon	–

Performance

Electrical	Duplex/SNAP*Connect*®		4-PLEX®	
Frequency	60Hz		60Hz	
Voltage	120V AC + 10%–15%		20V AC + 10%–15%	
Response Time	Approximately 5 ns		Approximately 5 ns	
Protection Modes	Normal & Common Modes		Normal & Common Modes	
Transient Suppression	Peak Energy (10 X 100 μs)	Peak Current (8 X 20 μs)	Peak Energy (10 X 100 μs)	Peak Current (8 X 20 μs)
Normal Mode (L-N)	240 joules	15000A	80 joules	6500A
Common Mode (L-G), (N-G)	240 joules	15000A	80 joules	6500A
UL Voltage Protection Rating	600 L-N, 600 L-G, 1000 N-G		600 L-N, 600 L-G, 900 N-G	
EMI/RFI Attenuation at 50 Ohms Normal Mode	-40 dB			
Operating Temperature	32°F to 140°F (0°C to 60°C)		-40°F to 140°F (-40°C to 60°C)	
Flammability	UL 94V-2		UL 94V-2	

SpikeShield® Power Quality Products

Specifications

320kA, 160kA and 120kA Service/Branch Panel Protection (Type 1 SPD)

Electrical Specifications

320kA Panel	160kA Panel	SCCR◊	I$_n$	MCOV †	Voltage Protection Rating (VPR)							
					L-N		L-G		N-G		L-L	
					320kA	160kA	320kA	160kA	320kA	160kA	320kA	160kA
HBL3P320B	HBL3P160B	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL4P320B	HBL4P160B	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL5P320B	HBL5P160B	200kA	20kA	320/160	N/A	N/A	1500	1200	N/A	N/A	2000	1500
HBL6P320B	HBL6P160B	200kA	20kA	320/160	1000/1200	900/1500	900/1200	900/1200	800	700	1500	1500
HBL8P320B	HBL8P160B	200kA	20kA	320/160	1500	1200	1500	1200	1200	1200	2000	2500
HBL9P320B	HBL9P160B	200kA	20kA	320/160	N/A	N/A	1800	1800	N/A	N/A	2500	2500
HBL10P320B	HBL10P160B	200kA	20kA	320/160	1500	1500	1500	1500	1500	1500	2500	2500
HBL11P320B	HBL11P160B	200kA	20kA	320/160	N/A	N/A	3000	2500	N/A	N/A	2500	2500

Note: Specification applies to both (B) and (DB) series.

Product Specifications

Max. Surge Current per Phase:	320kA and 160kA	Terminal Accommodation:	#10 AWG to #2 AWG
Max. Operating Temperature:	-20°F to 149°F (-4°C to 65°C)	Operating Frequency:	50/60 Hz
Diagnostics Indicators:	Push to Test Diagnostics, Red and Green Status LEDs, Dry Contacts, Audible Alarm and Surge Counter	EMI/RFI:	Up to -30dB
		Housing Rating:	NEMA 1
		Listing:	cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition.
Dimensions:	11.04"W x 22.44"H x 7.87"D (320kA); 11.04"W x 20.32"H x 5.32"D (160kA)		
Weight:	37 lbs. Max. (320kA); 27 lbs. Max. (160kA)		

Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

Electrical Specifications

Catalog Number	SCCR◊	I$_n$	MCOV †	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3W100C	200kA	20kA	150/270	900	1200	700	1500
HBL4W100C	200kA	20kA	150/270	900	1200	700	1500
HBL5W100C	200kA	20kA	300	N/A	N/A	N/A	1500
HBL6W100C	200kA	20kA	275/150	1000	1200	700	1500
HBL8W100C	200kA	20kA	320/640	1200	2000	1000	2500
HBL9W100C	200kA	20kA	640	N/A	N/A	N/A	3000
HBL10W100C	200kA	20kA	390/780	1500	2500	1500	3000
HBL11W100C	200kA	20kA	780	N/A	N/A	N/A	3000

Product Specifications

Max. Surge Current per Phase:	100kA	Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Max. Operating Temperature:	-40°F to 140°F (-4°C to 60°C)	Operating Frequency:	50/60 Hz
Diagnostics Indicators:	Green Status LEDs. Dry Contacts, Audible Alarm	EMI/RFI:	Up to -30dB
		Housing Rating:	Type 4X
Dimensions:	9.9"W x 4.8"H x 3.1"D	Listing:	cULus UL 1449 4th edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986
Weight:	4.78 lbs		
		Warranty:	10 year

Wired-In High-Quality Surge Protective Device, Surge Arrestors, Single Phase and Three Phase (Type 2 SPD)

Electrical Specifications

Catalog Number	SCCR◊	I$_n$	MCOV †	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3W50	25kA	10kA	150 (L-N, L-G), 300 (L-L)	700	800	N/A	1200
HBLSDSA36	22kA	10kA	150	700	N/A	N/A	1200
HBL4SA40	200kA	10kA	180 (L-N), 360 (L-L)	700	N/A	N/A	1200
HBL5SA40	200kA	10kA	360 (L-L)	N/A	N/A	N/A	1200
HBL8SA40	200kA	10kA	420 (L-N), 840 (L-L)	1500	N/A	N/A	2500
HBL9SA40	200kA	10kA	840 (L-L)	N/A	N/A	N/A	2500
HBL10SA40	200kA	10kA	510 (L-N), 1020 (L-L)	1800	N/A	N/A	3000
HBL11SA40	200kA	10kA	1020 (L-L)	N/A	N/A	N/A	3000

Product Specifications

Service Voltage	Single Phase	Single Phase	Three Phase
Max. Surge Current per Phase:	50kA	36kA	40kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)
Diagnostics Indicators:	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	3.0"W x 3.6"H x 2.67"D	2.25"W x 2.25"H x 1.94"D	3.60"W x 3.0"H x 2.64"D
Weight:	1.8 lbs.	.72 lbs.	1.8 lbs.
Terminal Accommodation:	#12 AWG Wire Leads	#14 AWG Wire Leads	#12 AWG Wire Leads
Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
EMI/RFI:	Up to -30dB	Up to -30dB	Up to -30dB
Housing Rating:	Type 4X	Type 4X	Type 4X
Listing:	UL1449 4th edition	UL1449 4th edition	UL1449 4th edition
Warranty:	10 year	2 year	2 year

◊SCCR: Short Circuit Current Rating | † MCOV: Maximum Continuous Operating Voltage | ‡ In: Nominal discharge current

HUBBELL® Wiring Device-Kellems

Nylon Wallplates

Snap-On Wallplates

While-In-Use Weatherproof Covers

Wallplates and Covers

Features and Benefits

Nylon Wallplates

Our line of nylon wallplates features larger standard sized wallplates to provide extra coverage to hide rough box opening, improved aesthetics, greater strength, impact resistance, along with excellent cleanability in all different types of environments.

- Standard size is ⅛ inch larger to give you extra coverage to hide rough box openings. Also available in mid-size, jumbo and pre-marked

- Curved corners for improved aesthetics, for use in any application

- Reinforcement ribs for extra strength

- Captive screw feature holds mounting screw in place for quick and easy installation

- High-impact, self-extinguishing nylon material, which is virtually unbreakable

- Smooth, easy to clean finish is highly resistant to solvents and cleaning solutions, providing long life in the harshest environments

Duplex
(Back of wallplate)

Toggle

Decorator

Hubbell's standard sized wallplates are ⅛ inch larger to provide you that extra coverage to hide rough box openings. The depth is ¼ inch so that it will comfortably fit over the device even on imperfect installations or on retrofit work. See page O-32 for details and dimensions.

Nylon Wallplates

Black	Brown	Gray	Ivory	Light Almond	Office White	White

Nylon Pre-Marked Wallplates

Blue	Ivory	Orange	Red

Metal Wallplates

Aluminum	Brass	Brass Plated	Chrome	Stainless Steel

Pre-Marked

Stainless Steel

HUBBELL® Wiring Device-Kellems

Features and Benefits

Stainless Steel Wallplates

Provide solutions for a variety of industrial and commercial applications.

302/304 Type Stainless Steel
Non-magnetic: 18.0% Chromium
               8.0% Nickel

• Ideal for highly corrosive environments such as hospitals, food processing, static free requirements and more

• Environments subjected to heavy abuse

430 Type Stainless Steel
Magnetic: 17.0% Chromium
Less than 0.5% Nickel

• Aesthetically identical to the 302/304 type stainless steel wallplates and are best suited for environments where corrosion resistance is less critical

• Standard commercial use

Smooth Solid Brass

• Provides a plush appearance with the durability of metal

• Finish is lacquer coated to inhibit oxidation

Anodized Aluminum

• Non-magnetic and corrosion resistance for a wide range of applications

• Finish is lacquer coated to inhibit oxidation

Decorator
(Protective plastic film helps to prevent scratches and damage)

Extra-Duty Metallic While-in-Use Covers

These covers are designed for use whenever protection is required while an outlet is in use. Covers meet or exceed the extra-duty rating per UL 514D, and are NEMA 3R rated.

• Die-cast aluminum construction

• Powder coated "chip resistant" paint corrosion protection

• Unique plug management provision for securing device and cord

2017 National Electrical Code (NEC®) Requirement

406.9 Receptacles in Damp or Wet Locations.

(B) Wet Locations.
(1) 15 and 20 Ampere Receptacles in a Wet Location. 15 and 20 ampere, 125 and 250 volt receptacles installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be listed, and shall be identified as "extra-duty." Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box need not be marked "extra-duty." All 15 and 20 ampere, 125 and 250 volt nonlocking-type receptacles shall be listed weather-resistant type.
Exception: 15 and 20 ampere, 125 through 250 volt receptacles installed in a wet location and subject to routine high-pressure spray washing shall be permitted to have an enclosure that is weatherproof when the attachment plug is removed.

(2) Other Receptacles. All other receptacles installed in a wet location shall comply with (B)(2)(a) or (B)(2)(b).
(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.
(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.

Snap-On Screwless Wallplates

- Clean, elegant look
- No visible screws
- Snap-on wallplate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on wallplate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards

Snap-On Wallplate

Gang	Height (H)	Width (W)	Depth (D)
1	4.75" (120.6)	3.00" (76.2)	.25" (6.35)
2	4.75" (120.6)	4.81" (122.2)	.25" (6.35)
3	4.75" (120.6)	6.62" (168.2)	.25" (6.35)
4	4.75" (120.6)	8.44" (214.3)	.25" (6.35)

Snap-On Screwless Wallplates

Description		Color	Decorator Catalog Number	Toggle Catalog Number
1-Gang, 1-Decorator	1-Gang, 1-Toggle	Ivory	**NPS26I**	**NPS1I**
		Light Almond	**NPS26LA**	**NPS1LA**
		White	**NPS26W**	**NPS1W**
2-Gang, 2-Decorator	2-Gang, 2-Toggle	Ivory	**NPS262I**	**NPS2I**
		Light Almond	**NPS262LA**	**NPS2LA**
		White	**NPS262W**	**NPS2W**
3-Gang, 3-Decorator	3-Gang, 3-Toggle	Ivory	**NPS263I**	**NPS3I**
		Light Almond	**NPS263LA**	**NPS3LA**
		White	**NPS263W**	**NPS3W**
4-Gang, 4-Decorator		Ivory	**NPS264I**	–
		Light Almond	**NPS264LA**	–
		White	**NPS264W**	–
1-Gang, 1-Duplex		Ivory	**NPS8I**	–
		Light Almond	**NPS8LA**	–
		White	**NPS8W**	–

Dimensions in Inches (mm)

GFCI, USB, Surge Receptacles and Style Line® Device Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Nylon Jumbo	Material	Metal Catalog Number
1-Gang, 1-Decorator	Black	NP26BK	NPJ26BK	–	Aluminum	①
	Blue	–	NPJ26BL	–	Brass	SB26
	Brown	NP26	NPJ26	–	Brass Plated	SBP26
	Gray	NP26GY	NPJ26GY	–	Chrome	SCH26
	Ivory	NP26I	NPJ26I	NPJJ26I	S/S 302/304	SS26
	Light Almond	NP26LA	NPJ26LA	NPJJ26LA	S/S 430	SS26L
	Office White	NP26OW	NPJ26OW	–		
	Red	NP26R	NPJ26R	–		
	White	NP26W	NPJ26W	NPJJ26W		
2-Gang, 2-Decorator	Black	NP262BK	NPJ262BK	–	Aluminum	①
	Brown	NP262	NPJ262	–	Brass	SB262
	Gray	NP262GY	NPJ262GY	–	Brass Plated	SBP262
	Ivory	NP262I	NPJ262I	–	Chrome	SCH262
	Light Almond	NP262LA	NPJ262LA	–	S/S 302/304	SS262
	Office White	NP262OW	NPJ262OW	–	S/S 430	SS262L
	Red	NP262R	NPJ262R	–		
	White	NP262W	NPJ262W	–		
3-Gang, 3-Decorator	Black	NP263BK	NPJ263BK	–	Aluminum	①
	Brown	NP263	NPJ263	–	Brass	①
	Gray	NP263GY	NPJ263GY	–	Brass Plated	SBP263
	Ivory	NP263I	NPJ263I	–	Chrome	①
	Light Almond	NP263LA	NPJ263LA	–	S/S 302/304	SS263
	Office White	NP263OW	–	–	S/S 430	–
	Red	NP263R	–	–		
	White	NP263W	NPJ263W	–		
4-Gang, 4-Decorator	Black	NP264BK	NPJ264BK	–	Aluminum	①
	Brown	NP264	NPJ264	–	Brass	①
	Gray	NP264GY	NPJ264GY	–	Brass Plated	①
	Ivory	NP264I	NPJ264I	–	Chrome	①
	Light Almond	NP264LA	NPJ264LA	–	S/S 302/304	SS264
	Office White	NP264OW	–	–	S/S 430	–
	White	NP264W	NPJ264W	–		
5-Gang, 5-Decorator	Black	NP265BK	–	–	Aluminum	①
	Brown	NP265	–	–	Brass	①
	Gray	NP265GY	–	–	Brass Plated	①
	Ivory	NP265I	–	–	Chrome	①
	Light Almond	NP265LA	–	–	S/S 302/304	SS265
	White	NP265W	–	–	S/S 430	–
6-Gang, 6-Decorator	Black	NP266BK	–	–	Aluminum	①
	Brown	NP266	–	–	Brass	①
	Gray	NP266GY	–	–	Brass Plated	①
	Ivory	NP266I	–	–	Chrome	①
	Light Almond	NP266LA	–	–	S/S 302/304	SS266
	White	NP266W	–	–	S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
   ①Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Toggle Switch Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Nylon Jumbo	Material	Metal Catalog Number
1-Gang, 1-Toggle	Black	**NP1BK**	**NPJ1BK**	–	Aluminum	**SA1**
	Brown	**NP1**	**NPJ1**	–	Brass	**SB1**
	Gray	**NP1GY**	**NPJ1GY**	–	Brass Plated	**SBP1**
	Ivory	**NP1I**	**NPJ1I**	**NPJJ1I**	Chrome	**SCH1**
	Light Almond	**NP1LA**	**NPJ1LA**	**NPJJ1LA**	S/S 302/304	**SS1**
	Office White	**NP1OW**	**NPJ1OW**	–	S/S 430	**SS1L**
	Red	**NP1R**	**NPJ1R**	–		
	White	**NP1W**	**NPJ1W**	**NPJJ1W**		
2-Gang, 2-Toggle	Black	**NP2BK**	**NPJ2BK**	–	Aluminum	**SA2**
	Brown	**NP2**	**NPJ2**	–	Brass	**SB2**
	Gray	**NP2GY**	**NPJ2GY**	–	Brass Plated	**SBP2**
	Ivory	**NP2I**	**NPJ2I**	**NPJJ2I**	Chrome	**SCH2**
	Light Almond	**NP2LA**	**NPJ2LA**	**NPJJ2LA**	S/S 302/304	**SS2**
	Office White	**NP2OW**	**NPJ2OW**	–	S/S 430	**SS2L**
	Red	**NP2R**	**NPJ2R**	–		
	White	**NP2W**	**NPJ2W**	**NPJJ2W**		
3-Gang, 3-Toggle	Black	**NP3BK**	**NPJ3BK**	–	Aluminum	①
	Brown	**NP3**	**NPJ3**	–	Brass	**SB3**
	Gray	**NP3GY**	**NPJ3GY**	–	Brass Plated	**SBP3**
	Ivory	**NP3I**	**NPJ3I**	–	Chrome	**SCH3**
	Light Almond	**NP3LA**	**NPJ3LA**	–	S/S 302/304	**SS3**
	Office White	**NP3OW**	**NPJ3OW**	–	S/S 430	**SS3L**
	Red	–	**NPJ3R**	–		
	White	**NP3W**	**NPJ3W**	–		
4-Gang, 4-Toggle	Black	**NP4BK**	**NPJ4BK**	–	Aluminum	①
	Brown	**NP4**	**NPJ4**	–	Brass	**SB4**
	Gray	**NP4GY**	**NPJ4GY**	–	Brass Plated	**SBP4**
	Ivory	**NP4I**	**NPJ4I**	–	Chrome	①
	Light Almond	**NP4LA**	**NPJ4LA**	–	S/S 302/304	**SS4**
	Office White	**NP4OW**	**NPJ4OW**	–	S/S 430	**SS4L**
	White	**NP4W**	**NPJ4W**	–		
5-Gang, 5-Toggle	Black	**NP5BK**	–	–	Aluminum	①
	Brown	**NP5**	–	–	Brass	**SB5**
	Gray	**NP5GY**	–	–	Brass Plated	①
	Ivory	**NP5I**	–	–	Chrome	①
	Light Almond	**NP5LA**	–	–	S/S 302/304	**SS5**
	White	**NP5W**	–	–	S/S 430	–
6-Gang, 6-Toggle	Brown	**NP6**	–	–	Aluminum	①
	Gray	**NP6GY**	–	–	Brass	**SB6**
	Ivory	**NP6I**	–	–	Brass Plated	①
	Light Almond	**NP6LA**	–	–	Chrome	①
	White	**NP6W**	–	–	S/S 302/304	**SS6**
					S/S 430	–
7-Gang, 7-Toggle	Brown	–	–	–	Aluminum	①
	Gray	–	–	–	Brass	①
	Ivory	–	–	–	Brass Plated	①
	Light Almond	–	–	–	Chrome	①
	White	–	–	–	S/S 302/304	**SS607**
					S/S 430	–
8-Gang, 8-Toggle	Brown	–	–	–	Aluminum	①
	Gray	–	–	–	Brass	①
	Ivory	–	–	–	Brass Plated	①
	Light Almond	–	–	–	Chrome	①
	White	–	–	–	S/S 302/304	**SS608**
					S/S 430	–
2-Gang, 1-Toggle	Brown	–	–	–	Aluminum	–
	Gray	–	–	–	Brass	–
	Ivory	–	–	–	Brass Plated	–
	Light Almond	–	–	–	Chrome	–
	White	–	–	–	S/S 302/304	**SS740**
					S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
　①Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

HUBBELL® **Wiring Device-Kellems** www.hubbell-wiring.com

Duplex Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Nylon Jumbo	Material	Metal Catalog Number
1-Gang, 1-Duplex	Black	**NP8BK**	**NPJ8BK**	–	Aluminum	**SA8**
	Blue	–	**NPJ8BL**	–	Brass	**SB8**
	Brown	**NP8**	**NPJ8**	–	Brass Plated	**SBP8**
	Gray	**NP8GY**	**NPJ8GY**	–	Chrome	**SCH8**
	Ivory	**NP8I**	**NPJ8I**	**NPJJ8I**	S/S 302/304	**SS8**
	Light Almond	**NP8LA**	**NPJ8LA**	**NPJJ8LA**	S/S 430	**SS8L**
	Office White	**NP8OW**	**NPJ8OW**	–		
	Orange	**NP8OR**	–	–		
	Red	**NP8R**	**NPJ8R**	–		
	White	**NP8W**	**NPJ8W**	**NPJJ8W**		
2-Gang, 2-Duplex	Black	**NP82BK**	**NPJ82BK**	–	Aluminum	**SA82**
	Brown	**NP82**	**NPJ82**	–	Brass	**SB82**
	Gray	**NP82GY**	**NPJ82GY**	–	Brass Plated	**SBP82**
	Ivory	**NP82I**	**NPJ82I**	–	Chrome	**SCH82**
	Light Almond	**NP82LA**	**NPJ82LA**	–	S/S 302/304	**SS82**
	Office White	**NP82OW**	**NPJ82OW**	–	S/S 430	**SS82L**
	Orange	**NP82OR**	–	–		
	Red	**NP82R**	**NPJ82R**	–		
	White	**NP82W**	**NPJ82W**	–		
3-Gang, 3-Duplex	Brown	**NP83**	–	–	Aluminum	①
	Ivory	**NP83I**	–	–	Brass	①
	White	**NP83W**	–	–	Brass Plated	①
					Chrome	①
					S/S 302/304	**SS83**
					S/S 430	–
4-Gang, 4-Duplex	Brown	**NP84**	–	–	Aluminum	①
	Ivory	**NP84I**	–	–	Brass	①
	White	**NP84W**	–	–	Brass Plated	①
					Chrome	①
					S/S 302/304	**SS84**
					S/S 430	–
2-Gang, 1-Duplex	Brown	–	–	–	Brass	–
	Ivory	–	–	–	Brass Plated	–
	White	–	–	–	Chrome	–
					S/S 302/304	**SS748**
					S/S 430	–

Single 15/20A Straight Blade or 15A Twist-Lock® Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Nylon Jumbo	Material	Metal Catalog Number
1-Gang, 1-Single 1.40 in. (35.6) Dia. Hole	Black	**NP7BK**	**NPJ7BK**	–	Aluminum	**SA7**
	Brown	**NP7**	**NPJ7**	–	Brass	**SB7**
	Gray	**NP7GY**	**NPJ7GY**	–	Brass Plated	**SBP7**
	Ivory	**NP7I**	**NPJ7I**	–	Chrome	**SCH7**
	Light Almond	**NP7LA**	**NPJ7LA**	–	S/S 302/304	**SS7**
	Office White	**NP7OW**	**NPJ7OW**	–	S/S 430	**SS7L**
	Red	**NP7R**	**NPJ7R**	–		
	White	**NP7W**	**NPJ7W**	–		
2-Gang, 1-Single 1.40 in. (35.6) Dia. Hole	Brown	–	–	–	Aluminum	–
	Ivory	–	–	–	Brass	–
	White	–	–	–	Brass Plated	–
					Chrome	–
					S/S 302/304	**SS747**
					S/S 430	–
2-Gang, 2-Single 1.40 in. (35.6) Dia. Hole	Brown	–	–	–	Aluminum	①
	Ivory	–	–	–	Brass	①
	White	–	–	–	Brass Plated	①
					Chrome	①
					S/S 302/304	**SS72**
					S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
　①Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Single 20/30A Twist-Lock® Receptacle Wallplates

Description		Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
	1-Gang, 1-Single, 1.60 in. (40.6) Dia. Hole	Black	NP720BK	–	Aluminum	SA720
		Brown	NP720		Brass	SB720
		Gray	NP720GY		Brass Plated	①
		Ivory	NP720I		Chrome	①
		Office White	NP720OW		S/S 302/304	SS720
		Red	NP720R		S/S 430	–
		White	NP720W			
	1-Gang, 1-Single, 1.74 in. (44.2) Dia. Hole	Brown	–	–	Aluminum	–
		Ivory	–	–	Brass	–
		White	–	–	Brass Plated	–
					Chrome	–
					S/S 302/304	SS725
	2-Gang, 1-Single, 1.60 in. (40.6) Dia. Hole	Brown	–	–	Aluminum	–
		Ivory	–	–	Brass	–
		White	–	–	Brass Plated	–
					Chrome	–
					S/S 302/304	SS749
	3-Gang, 2-Single, 1.60 in. (40.6) Dia. Hole	Brown	–	–	Aluminum	①
		Ivory	–	–	Brass	①
		White	–	–	Brass Plated	①
					Chrome	①
					S/S 302/304	SS320

Single Receptacle Wallplates

Description		Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
	1-Gang, 1-Single, 1.97 in. (50.0) Dia. Hole	Brown	–	–	Aluminum	–
		Ivory	–	–	Brass	–
		White	–	–	Chrome	–
					S/S 302/304	SS737
					S/S 430	–
	1-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole	Black	NP724BK	NPJ724BK	Aluminum	SA723
		Brown	NP724	NPJ724	Brass	①
		Gray	NP724GY	NPJ724GY	Brass Plated	①
		Ivory	NP724I	NPJ724I	Chrome	SCH723
		White	NP724W	NPJ724W	S/S 302/304	SS723
					S/S 430	SS723L
	2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole	Brown	–	–	Aluminum	–
		Ivory	–	–	Brass	–
		White	–	–	Chrome	SCH702
					S/S 302/304	SS702
					S/S 430	–
	2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole	Black	NP703BK	NPJ703BK	Aluminum	–
		Brown	NP703	NPJ703	Brass	–
		Gray	NP703GY	–	Brass Plated	–
		Ivory	NP703I	NPJ703I	Chrome	–
		White	NP703W	NPJ703W	S/S 302/304	SS703
					S/S 430	SS703L
	2-Gang, 1-Single, 2.48 in. (63.0) Dia. Hole	Brown	–	–	Aluminum	–
		Ivory	–	–	Brass	–
		White	–	–	Chrome	–
					S/S 302/304	SS701
					S/S 430	–
	2-Gang, 1-Single, 2.66 in. (67.6) Dia. Hole	Brown	–	–	Aluminum	–
		Ivory	–	–	Brass	–
		White	–	–	Chrome	–
					S/S 302/304	SS716
					S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
  ①Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Blank Wallplates, Box Mount

Description	Color	Nylon Standard	Nylon Mid-Size	Nylon Jumbo	Material	Metal Catalog Number
1-Gang, 1-Blank, Box Mount	Black	**NP13BK**	**NPJ13BK**	**–**	Aluminum	**SA13A**
	Brown	**NP13**	**NPJ13**	**–**	Brass	**SB13**
	Gray	**NP13GY**	**NPJ13GY**	**–**	Brass Plated	**SBP13**
	Ivory	**NP13I**	**NPJ13I**	**NPJJ13I**	Chrome	**SCH13**
	Light Almond	**NP13LA**	**NPJ13LA**	**NPJJ13LA**	S/S 302/304	**SS13**
	Office White	**NP13OW**	**NPJ13OW**	**–**	S/S 430	**SS13L**
	White	**NP13W**	**NPJ13W**	**NPJJ13W**		
2-Gang, 2-Blank, Box Mount	Black	**NP23BK**	**–**	**–**	Aluminum	**SA23**
	Brown	**NP23**	**NPJ23**	**–**	Brass	**SB23**
	Gray	**NP23GY**	**–**	**–**	Brass Plated	①
	Ivory	**NP23I**	**NPJ23I**	**–**	Chrome	**SCH23**
	Light Almond	**NP23LA**	**NPJ23LA**	**–**	S/S 302/304	**SS23**
	White	**NP23W**	**NPJ23W**	**–**	S/S 430	**SS23L**
3-Gang, 3-Blank, Box Mount	Brown	**NP33**	**–**	**–**	Aluminum	①
	Ivory	**NP33I**	**–**	**–**	Brass	①
	White	**NP33W**	**–**	**–**	Brass Plated	①
					Chrome	①
					S/S 302/304	**SS33**
					S/S 430	**–**
4-Gang, 4-Blank, Box Mount	Brown	**NP43**	**–**	**–**	Aluminum	①
	Ivory	**NP43I**	**–**	**–**	Brass	①
	White	**NP43W**	**–**	**–**	Brass Plated	①
					Chrome	①
					S/S 302/304	**SS43**
					S/S 430	**–**

Blank Wallplates, Strap Mount

Description	Color	Nylon Standard	Nylon Mid-Size	Nylon Jumbo	Material	Metal Catalog Number
1-Gang, 1-Blank, Strap Mount	Black	**NP14BK**	**–**	**–**	Aluminum	①
	Brown	**NP14**	**–**	**–**	Brass	**SB14**
	Gray	**NP14GY**	**–**	**–**	Brass Plated	①
	Ivory	**NP14I**	**–**	**–**	Chrome	①
	Office White	**NP14OW**	**–**	**–**	S/S 302/304	**SS14**
	Red	**NP14R**	**–**	**–**	S/S 430	**SS14L**
	White	**NP14W**	**–**	**–**		
2-Gang, 2-Blank, Strap Mount	Black	**NP24BK**	**–**	**–**	Aluminum	①
	Brown	**NP24**	**–**	**–**	Brass	①
	Gray	**NP24GY**	**–**	**–**	Brass Plated	①
	Ivory	**NP24I**	**–**	**–**	Chrome	①
	Office White	**NP24OW**	**–**	**–**	S/S 302/304	**SS24**
	Red	**NP24R**	**–**	**–**	S/S 430	**SS24L**
	White	**NP24W**	**–**	**–**		
3-Gang, 3-Blank, Strap Mount	Brown	**NP34**	**–**	**–**	Aluminum	①
	Ivory	**NP34I**	**–**	**–**	Brass	①
	White	**NP34W**	**–**	**–**	Brass Plated	①
					Chrome	①
					S/S 302/304	**SS34**
					S/S 430	**–**
4-Gang, 4-Blank, Strap Mount	Brown	**NP44**	**–**	**–**	Aluminum	①
	Ivory	**NP44I**	**–**	**–**	Brass	①
	White	**NP44W**	**–**	**–**	Brass Plated	①
					Chrome	①
					S/S 302/304	**SS44**
					S/S 430	**–**

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

347 Volt Toggle Wallplates with 2.25" (57.2) Spacing Between Gangs, Stamped "347V"

Description	Color	Nylon Catalog Number	Material	Metal Catalog Number
1-Gang, 1-Toggle, 2.25 in. (57.2) Spacing	Black	–	Aluminum	–
	Gray	–	Brass	–
	Ivory	–	Brass Plated	–
	White	–	Chrome	–
			S/S 302/304	**SS1C**
			S/S 430	–
2-Gang, 2-Toggle, 2.25 in. (57.2) Spacing	Black	–	Aluminum	–
	Gray	–	Brass	–
	Ivory	–	Brass Plated	–
	White	–	Chrome	–
			S/S 302/304	**SS2C**
			S/S 430	–
3-Gang, 3-Toggle, 2.25 in. (57.2) Spacing	Black	–	Aluminum	–
	Gray	–	Brass	–
	Ivory	–	Brass Plated	–
	White	–	Chrome	–
			S/S 302/304	**SS3C**
			S/S 430	–
4-Gang, 4-Toggle, 2.25 in. (57.2) Spacing	Black	–	Aluminum	–
	Gray	–	Brass	–
	Ivory	–	Brass Plated	–
	White	–	Chrome	–
			S/S 302/304	**SS4C**
			S/S 430	–
5-Gang, 5-Toggle, 2.25 in. (57.2) Spacing	Black	–	Aluminum	–
	Gray	–	Brass	–
	Ivory	–	Brass Plated	–
	White	–	Chrome	–
			S/S 302/304	**SS5C**
			S/S 430	–
6-Gang, 6-Toggle, 2.25 in. (57.2) Spacing	Black	–	Aluminum	–
	Gray	–	Brass	–
	Ivory	–	Brass Plated	–
	White	–	Chrome	–
			S/S 302/304	**SS6C**
			S/S 430	–

347 Volt Decorator Wallplates

Description	Color	Nylon Catalog Number	Material	Metal Catalog Number
1-Gang, 1-Decorator	Black	**HPS1347BK**	Aluminum	–
	Gray	**HPS1347GY**	Brass	–
	Ivory	**HPS1347I**	Brass Plated	–
	White	**HPS1347W**	Chrome	–
			S/S 302/304	–
			S/S 430	–
2-Gang, 2-Decorator	Black	**HPS2347BK**	Aluminum	–
	Gray	**HPS2347GY**	Brass	–
	Ivory	**HPS2347I**	Brass Plated	–
	White	**HPS2347W**	Chrome	–
			S/S 302/304	–
			S/S 430	–
3-Gang, 3-Decorator	Ivory	**HPS3347I**	Aluminum	–
	White	**HPS3347W**	Brass	–
			Brass Plated	–
			Chrome	–
			S/S 302/304	–
			S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

Combination Wallplates, 2-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
2-Gang, 1-Toggle, 1-Duplex	Black	**NP18BK**	**NPJ18BK**	Aluminum	①
	Brown	**NP18**	**NPJ18**	Brass	①
	Gray	**NP18GY**	**NPJ18GY**	Brass Plated	**SBP18**
	Ivory	**NP18I**	**NPJ18I**	Chrome	**SCH18**
	Light Almond	**NP18LA**	**NPJ18LA**	S/S 302/304	**SS18**
	Office White	**NP18OW**	–	S/S 430	**SS18L**
	Red	**NP18R**	**NPJ18R**		
	White	**NP18W**	**NPJ18W**		
2-Gang, 1-Duplex, 1-Decorator	Black	**NP826BK**	**NPJ826BK**	Aluminum	①
	Brown	**NP826**	**NPJ826**	Brass	**SB826**
	Gray	**NP826GY**	**NPJ826GY**	Brass Plated	①
	Ivory	**NP826I**	**NPJ826I**	Chrome	①
	Light Almond	**NP826LA**	**NPJ826LA**	S/S 302/304	**SS826**
	Office White	**NP826OW**	–	S/S 430	–
	White	**NP826W**	**NPJ826W**		
2-Gang, 1-Toggle, 1-Decorator	Black	**NP126BK**	**NPJ126BK**	Aluminum	①
	Brown	**NP126**	**NPJ126**	Brass	**SB126**
	Gray	**NP126GY**	**NPJ126GY**	Brass Plated	**SBP126**
	Ivory	**NP126I**	**NPJ126I**	Chrome	①
	Light Almond	**NP126LA**	**NPJ126LA**	S/S 302/304	**SS126**
	White	**NP126W**	**NPJ126W**	S/S 430	**SS126L**
2-Gang, 1-Duplex, 1-Telephone .406 in. (10.3) Hole, Strap Mount	Black	**NP128BK**	–	Aluminum	–
	Brown	**NP128**	–	Brass	–
	Gray	**NP128GY**	–	Brass Plated	–
	Ivory	**NP128I**	–	Chrome	–
	White	**NP128W**	–	S/S 302/304	–
				S/S 430	–
2-Gang, 1-Toggle, 1-Telephone .406 in. (10.3) Hole, Strap Mount	Black	**NP112BK**	–	Aluminum	–
	Brown	**NP112**	–	Brass	–
	Gray	**NP112GY**	–	Brass Plated	–
	Ivory	**NP112I**	–	Chrome	–
	Office White	**NP112OW**	–	S/S 302/304	–
	White	**NP112W**	–	S/S 430	–
2-Gang, 1-Decorator, 1-Telephone .406 in. (10.3) Hole, Strap Mount	Black	**NP1226BK**	–	Aluminum	–
	Brown	**NP1226**	–	Brass	–
	Gray	**NP1226GY**	–	Brass Plated	–
	Ivory	**NP1226I**	–	Chrome	–
	White	**NP1226W**	–	S/S 302/304	–
				S/S 430	–
2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole, 1-Duplex	Brown	**NP78**	–	Aluminum	①
	Gray	**NP78GY**	–	Brass	①
	Ivory	**NP78I**	–	Brass Plated	①
	White	**NP78W**	–	Chrome	①
				S/S 302/304	**SS78**
				S/S 430	–
2-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole, 1-Duplex	Brown	–	–	Aluminum	①
	Gray	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				S/S 302/304	**SS8720**
				S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
 ①*Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.*

Dimensions in Inches (mm)

Combination Wallplates, 2-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
2-Gang, 1-Toggle, 1-Single Receptacle 1.40 in. (35.6) Hole	Black	NP17BK	–	Aluminum	①
	Brown	NP17	–	Brass	①
	Gray	NP17GY	–	Brass Plated	①
	Ivory	NP17I	–	Chrome	①
	White	NP17W	–	S/S 302/304	SS17
				S/S 430	–
2-Gang, 1-Toggle, 1-Blank Box Mount	Black	NP113BK	–	Aluminum	①
	Brown	NP113	NPJ113	Brass	①
	Gray	NP113GY	–	Brass Plated	①
	Ivory	NP113I	NPJ113I	Chrome	①
	Light Almond	NP113LA	–	S/S 302/304	SS113
	White	NP113W	–	S/S 430	–
2-Gang, 1-Toggle, 1-Blank Strap Mount	Black	–	–	Aluminum	①
	Gray	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				S/S 302/304	SS114
				S/S 430	–
2-Gang, 1-Blank, 1-Duplex Box Mount	Black	NP138BK	–	Aluminum	①
	Brown	NP138	NPJ138	Brass	①
	Gray	NP138GY	–	Brass Plated	①
	Ivory	NP138I	NPJ138I	Chrome	①
	Light Almond	NP138LA	–	S/S 302/304	SS138
	White	NP138W	NPJ138W	S/S 430	–
2-Gang, 1-Blank, 1-Duplex Strap Mount	Black	–	–	Aluminum	①
	Gray	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				S/S 302/304	SS148
				S/S 430	–
2-Gang, 1-Blank, 1-Decorator Box Mount	Black	NP1326BK	NPJ1326BK	Aluminum	①
	Brown	NP1326	NPJ1326	Brass	①
	Gray	NP1326GY	NPJ1326GY	Brass Plated	①
	Ivory	NP1326I	NPJ1326I	Chrome	①
	Light Almond	NP1326LA	NPJ1326LA	S/S 302/304	SS1426*
	White	NP1326W	NPJ1326W	S/S 430	–
2-Gang, 1-Telephone, 1-Blank, 406 in. (10.3) Hole, Strap Mount	Black	NP1214BK	–	Aluminum	–
	Brown	NP1214	–	Brass	–
	Gray	NP1214GY	–	Brass Plated	–
	Ivory	NP1214I	–	Chrome	–
	White	NP1214W	–	S/S 302/304	–
				S/S 430	–
2-Gang, 1-Single Receptacle, 1-Blank 1.40 in. (35.6) Hole, Strap Mount	Black	NP147BK	–	Aluminum	①
	Brown	NP147	–	Brass	①
	Gray	NP147GY	–	Brass Plated	①
	Ivory	NP147I	–	Chrome	①
	White	NP147W	–	S/S 302/304	①
				S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
　①*Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.*
　**Strap Mount.*

Dimensions in Inches (mm)

Combination Wallplates, 3-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
3-Gang, 2-Toggle, 1-Duplex	Brown	**NP28**	**NPJ28**	Aluminum	①
	Gray	NP28GY	–	Brass	①
	Ivory	NP28I	NPJ28I	Brass Plated	**SBP28**
	Light Almond	NP28LA	NPJ28LA	Chrome	①
	White	NP28W	NPJ28W	S/S 302/304	–
				S/S 430	–
3-Gang, 1-Toggle, 2-Duplex	Black	**NP182BK**	–	Aluminum	①
	Brown	NP182	–	Brass	①
	Gray	NP182GY	–	Brass Plated	①
	Ivory	NP182I	–	Chrome	①
	White	NP182W	–	S/S 302/304	**SS182**
				S/S 430	–
3-Gang, 2-Toggle, 1-Decorator	Black	**NP226BK**	**NPJ226BK**	Aluminum	①
	Brown	NP226	NPJ226	Brass	①
	Gray	NP226GY	NPJ226GY	Brass Plated	①
	Ivory	NP226I	NPJ226I	Chrome	①
	Light Almond	NP226LA	NPJ226LA	S/S 302/304	**SS226**
	White	NP226W	NPJ226W	S/S 430	–
3-Gang, 1-Toggle, 2-Decorator	Black	**NP1262BK**	–	Aluminum	①
	Brown	NP1262	–	Brass	①
	Gray	NP1262GY	–	Brass Plated	①
	Ivory	NP1262I	–	Chrome	①
	Light Almond	NP1262LA	–	S/S 302/304	①
	White	NP1262W	–	S/S 430	–
3-Gang, 2-Duplex, 1-Blank	Black	–	–	Aluminum	①
	Gray	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				S/S 302/304	**SS211**
				S/S 430	–
3-Gang, 1-Duplex, 1-Blank, 1-Duplex	Black	–	–	Aluminum	①
	Gray	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				S/S 302/304	**SS8147**
				S/S 430	–
3-Gang, 2-Toggle, 1-Blank	Black	–	–	Aluminum	①
	Gray	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				S/S 302/304	**SS213**
				S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
  ①Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Combination Wallplates, 4- and 5-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
4-Gang, 3-Toggle, 1-Duplex	Brown	**NP38**	–	Aluminum	①
	Ivory	**NP38I**	–	Brass	①
	Light Almond	**NP38LA**	–	Brass Plated	①
	White	**NP38W**	–	Chrome	①
				S/S 302/304	**SS38**
				S/S 430	–
4-Gang, 3-Toggle, 1-Decorator	Black	**NP326BK**	–	Aluminum	①
	Brown	**NP326**	–	Brass	①
	Gray	**NP326GY**	–	Brass Plated	①
	Ivory	**NP326I**	–	Chrome	①
	Light Almond	**NP326LA**	–	S/S 302/304	**SS326**
	White	**NP326W**	–	S/S 430	–
4-Gang, 2-Toggle, 2-Decorator	Black	**NP2262BK**	–	Aluminum	①
	Brown	**NP2262**	–	Brass	①
	Gray	**NP2262GY**	–	Brass Plated	①
	Ivory	**NP2262I**	–	Chrome	①
	Light Almond	**NP2262LA**	–	S/S 302/304	①
	White	**NP2262W**	–	S/S 430	–
5-Gang, 4-Toggle, 1-Duplex	Brown	**NP48**	–	Aluminum	①
	Ivory	**NP48I**	–	Brass	①
	White	**NP48W**	–	Brass Plated	①
				Chrome	①
				S/S 302/304	①
				S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
  ①Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.

Specifications

Listings

Non-Metallic Wallplates	UL Standard 514D.
Metallic Wallplates	UL Standard 514D.
Certification	UL Files #E31999,E92074.
	CSA Standard C22.2 No. 42.1.
	CSA File 1733174.

Product	Thickness	Mounting Screw(s)	Appearance
Nylon Wallplate	.06 in. (1.5).	Steel (painted slotted screw head).	Smooth gloss finish.
302/304 Stainless Steel Wallplate (18% Chromium, 8% Nickel)	.035 in. (0.9) nominal.	302/304 stainless steel (18% chromium, 8% nickel). Slotted screw head.	Horizontal brushed finish.
430 Stainless Steel Wallplate (17% Chromium, less than 0.5% Nickel)	.035 in. (0.9) nominal.	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Horizontal brushed finish.
Brass Wallplate (70% Copper, 30% Zinc)	.04 in. (1.0).	Brass (70% Coppper,30% Zinc). Slotted screw head.	Horizontal brushed finish.
Aluminum Wallplate	.05 in. (1.3).	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Horizontal brushed finish.
Brass Plated Steel Wallplate	.03 in. (0.8) nominal.	Brass slotted head.	Polished, coated to inhibit oxidation.
Chrome Plated Steel Wallplate	.03 in. (0.8) nominal.	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Polished, coated to inhibit oxidation.
Steel Painted Wallplate	.03 in. (0.8) nominal.	Steel (painted slotted screw head).	Powder coat paint.

Note: All nylon wallplates include captive mount screws.
  Nylon wallplates have an operating temperature of -40°C to 85°C.

Dimensions in Inches (mm)

Telephone and Coaxial Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Tel Nylon .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Box Mount	Black	**NP11BK**	–	Aluminum	①
	Brown	**NP11**	**NPJ11**	Brass	①
	Gray	**NP11GY**	–	Brass Plated	①
	Ivory	**NP11I**	**NPJ11I**	Chrome	①
	Light Almond	**NP11LA**	**NPJ11LA**	S/S 302/304	**SS11***
	Red	**NP11R**	–	S/S 430	**SS11L***
	White	**NP11W**	**NPJ11W**		
1-Gang, 1-Tel Nylon .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Strap Mount	Black	**NP12BK**	–	Aluminum	①
	Brown	**NP12**	–	Brass	**SB12***
	Gray	**NP12GY**	–	Brass Plated	**SBP12***
	Ivory	**NP12I**	–	Chrome	**SCH12***
	White	**NP12W**	–	S/S 302/304	**SS12***
				S/S 430	**SS12L***
1-Gang, 1-Tel .625 in. (15.9) Hole, Box Mount	Brown	**NP737**	–	Aluminum	–
	Ivory	**NP737I**	–	Brass	–
	White	**NP737W**	–	Brass Plated	–
				Chrome	–
				S/S 302/304	–
				S/S 430	–
1-Gang, 1-Tel .625 in. (15.9) Hole, Strap Mount	Brown	**NP730**	–	Aluminum	–
	Ivory	**NP730I**	–	Brass	–
	White	**NP730W**	–	Brass Plated	–
				Chrome	–
				S/S 302/304	–
				S/S 430	–
1-Gang, 1-Tel .380 in. (9.7) Hole, Box Mount or Strap Mount	Black	–	–	Aluminum	①
	Gray	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				S/S 302/304	**SS739**
				S/S 302/304, Strap Mount	**SS738**
				S/S 430	–
2-Gang, 2-Tel Nylon .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Box Mount	Black	**NP21BK**	–	Aluminum	①
	Brown	**NP21**	–	Brass	①
	Gray	**NP21GY**	–	Brass Plated	①
	Ivory	**NP21I**	–	Chrome	①
	White	**NP21W**	–	S/S 302/304, Strap Mount	**SS22***
				S/S 430	–
2-Gang, 1-Tel .640 in. (16.3) Hole, Box Mount	Black	–	–	Aluminum	–
	Gray	–	–	Brass	–
	Ivory	–	–	Brass Plated	–
	White	–	–	Chrome	–
				S/S 302/304	**SS741***
				S/S 430	–

Note: All nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
   ①Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.
   * .50" (12.7) I.D. nylon bushing provided.

Dimensions in Inches (mm)

Jumbo, Smooth, Stainless Steel Type 302/304 Wallplates

Configuration	Catalog Number	Configuration	Catalog Number
1-Gang, 1-Toggle	**SSJ1**	2-Gang, 2-Toggle	**SSJ2**
1-Gang, 1-Duplex	**SSJ8**	2-Gang, 2-Duplex	**SSJ82**
1-Gang, 1-Decorator	**SSJ26**	2-Gang, 2-Decorator	**SSJ262**
1-Gang, 1-Single Receptacle for 1.36–1.39 in. (34.5–35.3) dia. face	**SSJ7**	2-Gang, 1-Toggle, 1-Duplex	**SSJ18**
1-Gang, 1-Single Receptacle for 2.09–2.13 in. (53.1–54.1) dia. face	**SSJ723**	2-Gang, 1-Toggle, 1-Decorator	**SSJ126**
1-Gang, 1-Blank, box mount	**SSJ13**	2-Gang, 2-Blank, box mount	**SSJ23**
1-Gang, 1-Telephone opening, 0.640 in. (16.3) box mount	**SSJ11***		

*Note: *.50 in. (12.7) I.D. nylon bushing provided.*
    Specifications are subject to change without notice.

Oversize dimensions (see page O-32 for more details).
1-Gang, 5.25 in. x 3.50 in. (133.4 x 88.9).
2-Gang, 5.25 in. x 5.31 in. (133.4 x 134.9).

3.50"
(88.9)

5.25"
(133.4)

Jumbo Wallplate

Dimensions in Inches (mm)

Pre-Marked "EMERGENCY" Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Duplex, paint filled white lettering	Red	–	**NPJ8RMEV**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS8MEV** –
1-Gang, 1-Toggle, paint filled white lettering	Red	–	**NPJ1RME**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS1ME** –
2-Gang, 2 Duplex, paint filled red lettering	Red	–	**–**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS82MEV** –

Note: See page O-32 for wallplate dimensions.
All lettering .25 in. (6.3) high.

Stainless Steel Barrel Key Switch Wallplates

Description	1-Gang, with on/off markings	1-Gang, with position markings	2-Gang, with on/off markings	2-Gang, with position markings
Stainless steel, 302/304, smooth.	**SS12RKL**	**SS12RKLM**	**SS22RKL**	**SS22RKLM**

Note: See page D-3 for barrel key switch selection.

Single Count Screws and Accessories

Description	Catalog Number
Stainless steel screw, standard slot, .38 in. (9.7) long.	**HBL7341SS**
Security spanner head screws, 6-32 thread, 100 count.	**HBL7342RKL**
Screwdriver with spanner head security bit.	**HBL7372RKL**

HBL7342RKL

HBL7372RKL

Dimensions in Inches (mm)

Pre-Marked "ISOLATED GROUND" Wallplates

Description	Color	Nylon Standard	Nylon No Marking	Material	Metal Catalog Number
1-Gang, 1-Duplex, paint filled black	Orange	**NP8OIG**	**NP8OR**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Decorator, paint filled black	Orange	**NP26OIG**	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole for 1.36–1.39 in. (34.5–35.3) Dia. face, paint filled black	Orange	**NP7OIG**	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole for 20 and 30A Twist-Lock® with 1.55–1.58 in. (39.4–40.1) Dia. face, paint filled black	Orange	**NP720OIG**	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –

Pre-Marked "COMPUTER ONLY" Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Duplex, paint filled black	Orange Ivory	– –	**NPJ8CO** **NPJ8C**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
2-Gang, 2-Duplex, paint filled black	Orange	–	**NPJ82CO**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Decorator, paint filled black	Blue Ivory	– –	**NPJ26CBL** **NPJ26C**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –

Louver Wallplate, 1-Gang, Box Mount

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, Vertical Mounted Louver	Ivory Orange	– –	– –	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① **SB771** **SBP771** ① **SS771** –

*Note: *See page O-32 for mid-size wallplate dimensions.*
①Available as a custom wallplate, see pages O-33 to O-36. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

1-Gang Security Wallplates, White

Description	Catalog Number
1-Toggle switch	**SWP1**
1-Duplex receptacle	**SWP8**
1-GFCI/Style Line® opening	**SWP26**
1-Telephone or TV opening .640 in. (16.3)	**SWP12**
1-Blank	**SWP13**

SWP1 SWP8

2-Gang Security Wallplates, White

Description	Catalog Number
2-Toggle switches	**SWP2**
2-Duplex receptacles	**SWP82**
1-Toggle switch, 1-Duplex receptacle	**SWP18**
2-GFCI/Style Line® openings	**SWP262**
1-Toggle switch, 1-GFCI/Style Line® opening	**SWP126**
1-Duplex receptacle, 1-Telephone or TV	**SWP812**
1-Duplex receptacle, 1-Blank	**SWP813**
2-Blank	**SWP23**

SWP82 SWP18

3-Gang Security Wallplates, White

Description	Catalog Number
3-Toggle switches	**SWP3**
2-Toggle switches, 1-Duplex receptacle	**SWP28**
3-GFCI/Style Line® openings	**SWP263**

SWP28

4-Gang Security Wallplates, White

Description	Catalog Number
4-Toggle switches	**SWP4**

SWP4

Dimensions   Inches (mm)

	A	B	C	D	E	F	G	H
1-Gang	3.77" (95.8)	5.52" (140.2)	.55" (14.0)	3.37" (85.6)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	2.88" (73.2)
2-Gang	5.52" (140.2)	5.52" (140.2)	.55" (14.0)	5.13" (130.3)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	4.63" (117.6)
3-Gang	7.39" (187.7)	5.52" (140.2)	.55" (14.0)	7.00" (177.8)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	6.50" (165.1)
4-Gang	9.20" (233.7)	5.56" (141.2)	.55" (14.0)	8.75" (222.3)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	8.30" (210.8)

Specifications

Tamper-resistant wallplate 1-gang duplex receptacle shall be of the following construction:

Wallplate: One piece #14 cold rolled zinc plated steel. Wallplate shall have a five stage baked white polyester powder enamel finish. Gloss: 85%; reflectance: 93%; hardness minimum: 2H and pass 600 hour salt spray test.

Back sub-plate: #10 cold rolled galvanized steel. Sub-plate assembly shall use four (4) #8-32 X ½ inch stainless steel T-15 TORX® head screws with center pin reject. Sub-plate must be UL listed to UL 514D and comply with the NEC®.

TORX® is a registered trademark of Textron Inc.
NEC® is a registered trademark of the The National Electrical Code.   *Dimensions in Inches (mm)*

Brass Locking Cover Plate

Description	Catalog Number
Locking cover plate for single 15 and 20A straight blade receptacles and 15A Twist-Lock® receptacles. Straight cylinder type lock. All cylinder locks keyed alike.	**HBL96067**

Weather Shield Wallplate

Description	Catalog Number
20° angle wallplate for duplex receptacles.	**HBL6187**

HBL96067
Shown with receptacle
(sold separately)

HBL6187
Shown with receptacle
and back box
(sold separately)

Catalog Number of Receptacles in Groups A through E below

Group A		Group B			Group C	Group D	Group E
Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Boss diameter 1.55" to 1.58" (39.4 to 40.1)			Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)	Boss diameter 2.28" to 2.44" (57.9 to 62.0)
HBL23000HG	HBL5661	HBL23CM10	HBL2530	HBL2770	HBL45105	HBL7962	HBL7301A
HBL23030	HBL6810	HBL2310	HBL26CM10	HBL2810	HBL45205	HBL9350	HBL8330A
HBL4560	HBL7210B	HBL2320	HBL2610	HBL2820	HBL45305	HBL9308	HBL8350A
HBL4710	HBL7250	HBL2330	HBL2620	HBL2830	HBL45905	HBL9315	HBL8430A
HBL4760	HBL7310B	HBL2340	HBL2630	HBL3330		HBL9330	HBL8450A
HBL5251	HBL7310BG	HBL2410	HBL2640	HBL3330G		HBL9360•	HBL8460A
HBL52CM61	HBL7535	HBL2420	HBL2650	HBL3430		HBL9365•	HBL9430A
HBL5261	HBL7582	HBL2430	HBL2710	HBL3430G		HBL9367•	HBL9450A
HBL53CM61	HBL8210	HBL2440	HBL2720	HBL3520			HBL9460A
HBL5361	HBL8310	HBL2450	HBL2730	HBL7410B			
HBL5461	HBL8410	HBL2460	HBL2740	HBL7410BG			
HBL5552B	HBL8420	HBL2510	HBL2750				
		HBL2520	HBL2760				

Note: •50A 2P 3W.

Wallplates for Single Receptacles

Description	Group A		Group B		Group C		Group D		Group E
	Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Boss diameter 1.55" to 1.58" (39.4 to 40.1)		Boss diameter 1.68" to 1.72" (42.7 to 43.7)		Boss diameter 2.09" to 2.13" (53.1 to 54.1)		Boss diameter 2.28" to 2.44" (57.9 to 62.0)
	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	2-Gang
Smooth nylon, brown.	NP7*	–	NP720*	–	–	–	NP724*	NP703*	–
Cast aluminum.	HBL7320	–	HBL7320	–	HBL3394	–	HBL9419	–	–
Stainless steel, 302/304, smooth.	SS7**	SS72	SS720	–	SS725	–	SS723	SS703	SS701

Note: See pages O-7 and O-8 for complete wallplate descriptions.
Catalog number indicated is Brown, add with the following to designate color: "AL**" (Almond), "**BK**" (Black), "**GY**" (Gray), "**I**" (Ivory), and "**W**" (white).*
***Catalog number indicated is Stainless Steel, replace "**SS**" with the following prefix to designate material: "**SA**" for Anodized Aluminum, "**SB**" for Solid Brass.*

Weatherproof Lift Covers for WDL "Closed" and WDL "Open", Wet Locations, 1-Gang

Description	Group A	Group B	Group C	Group D	50A Twist-Lock® Receptacles	30A 4W Hubbellock® Receptacles
	Boss diameter 1.36" to 1.39" (34.5 to 35.3)	Boss diameter 1.55" to 1.58" (39.4 to 40.1)	Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)		
Thermoplastic, with cover "open", gray.	HBL7423WO	HBL7425WOA	HBL7424WO	–	HBL7774WO▲	–
Thermoplastic, with cover "open", yellow.	HBL74CM23WO	HBL74CM25WOA	HBL74CM24WO	–	HBL77CM74WO▲	–
Cast aluminum, with cover "closed".	HBL7420	HBL7420	HBL3393	HBL9420 HBL9425•	HBL7770	HBL20405† HBL20446†

Note: •50A 2P 3W.
▲The "CS" versions of 50A Twist-Lock® receptacles will only fit these thermoplastic wallplates.
†HBL20446 wallplate painted red for use with HBL20443 only. HBL20405 wallplate is for use with HBL20403 only. See page B-65 for devices.

IP44
SUITABILITY

Weatherproof Thermoplastic Cover
For Flanged Inlets and Flanged Receptacles

Description	Catalog Number
For use with 15 and 20A, 2 pole, 2 wire and 2 pole, 3 wire Insulgrip® flanged inlets and flanged receptacles below.	**WP1**

Straight Blade, 2 pole, 3 wire

Flanged Inlets	Flanged Receptacles
HBL5278C	HBL5279C
HBL5378C	HBL5379C
HBL5478C	HBL5479C
HBL5678C	HBL5679C

Twist-Lock®, 2 pole, 2 wire and 2 pole, 3 wire

Flanged Inlets	Flanged Receptacles
HBL8815C	HBL8809C
HBL7524C	HBL7526C
HBL4716C	HBL4715C
HBL4586C	HBL4585C
HBL4786C	HBL4785C

Weatherproof Thermoplastic Cover
For Flanged Inlets and Flanged Receptacles

Description	Catalog Number
For use with 20 and 30A, 3, 4, and 5 wire Insulgrip flanged inlets and flanged receptacles below.	**WP2**

Twist-Lock®, 2 pole, 3 wire; 3 pole, 4 wire; 4 pole, 4 wire; 4 pole, 5 wire
Flanged Inlets

HBL2315	HBL2445	HBL2635	HBL2765
HBL2325	HBL2455	HBL2645	HBL2775
HBL2335	HBL2465	HBL2655	HBL2815
HBL2345	HBL2515	HBL2715	HBL2825
HBL2355	HBL2525	HBL2725	HBL2835
HBL2415	HBL2535	HBL2735	HBL3325C
HBL2425	HBL2615	HBL2745	HBL3334C
HBL2435	HBL2625	HBL2755	HBL7408C

Flanged Receptacles

HBL2316	HBL2446	HBL2636	HBL2766
HBL2326	HBL2456	HBL2646	HBL2776
HBL2336	HBL2466	HBL2656	HBL2816
HBL2346	HBL2516	HBL2716	HBL2826
HBL2356	HBL2526	HBL2726	HBL2836
HBL2416	HBL2536	HBL2736	HBL3326C
HBL2426	HBL2616	HBL2746	HBL3335C
HBL2436	HBL2626	HBL2756	HBL7409C

WP1

WP2

Weatherproof Thermoplastic Cover
For Flanged Inlets 50 Amp CS Series

Description	Catalog Number
For use with 50A locking inlets with trimmed sides only.	**HBL7780**

Twist-Lock®, 2 pole, 3 wire; 3 pole, 4 wire
Flanged Inlets

HBL3777
HBL3775
HBL7958

HBL7780

IP44
SUITABILITY

Weatherproof Covers for Receptacles with Face Dia. of 2.28–2.44 in. (57.9–62.0)

Description	Catalog Number
Thermoplastic, 2-gang, wet and damp locations with cover "closed", gray.	**HBL7777A▲**
Thermoplastic, 2-gang, wet and damp locations with cover "closed", yellow.	**HBL77CM77A▲**

HBL7777A

Weatherproof Covers for Receptacles with Face Dia. of 2.09–2.13 in. (53.1–54.1)

Description	Catalog Number
Cast aluminum, wet locations only when cover "closed" and damp locations.	**HBL9420**
Cast aluminum, no lift cover. NOT weatherproof.	**HBL9419**

Weatherproof Covers for 50A Twist-Lock® Single Receptacles

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7774WO***
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL77CM74WO***
Cast aluminum, wet locations only when cover "closed" and damp locations.	**HBL7770**
Galvanized Steel, fits 4" square or 2-gang box.	**HBL50SC****
Stainless steel, single gang, wallplate. NOT weatherproof.	**SS750▲**

HBL9420

Weatherproof Covers for 30A, 4 Wire Hubbellock® Receptacles

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover "open", red.	**HBL7428WOR***
Cast aluminum, wet locations only when cover "closed" and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet locations only when cover "closed" and damp locations, red finish.	**HBL20446**
Cast aluminum, no lift cover. NOT weatherproof.	**HBL20406**

Note: ▲Will fit FS/FD boxes having wallplate mounting holes on 3.25 in. x 3.75 in. (82.6 x 95.3) centers.
▽Will only fit old style porcelain face devices.
*The "CS" versions of 50A Twist-Lock® will only fit these wallplates.
**IP20 Suitability.

HBL7774WO

Weatherproof Covers for Single Receptacles on FS/FD Boxes

All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

HBL7770

Accessories

Description	Catalog Number
Sub-plate for mounting and weatherproofing flanged devices with mounting centers of 1.76", 1.94" or 2.13" such as HBL7556, HBL4716, etc. when used with a HBL7420 or HBL7425WOA type weatherproof covers.	**7452●**
Adapter plate for mounting HBL7423WO, HBL7424WO, HBL7425WOA or HBL7420 covers to standard boxes.	**HBL7349●**

Note: ●Not UL Listed.

HBL20405

HBL7349

8-Holes .16" (4.1) Dia.
2.00" (50.8)
3.28" (83.3)
1.56" (39.6)
2.13" (54.1)
3.63" (92.2)

7452

2.84" (72.1)
.19" (4.8) DIA. 4 HOLES
4.56" (115.8)
3.25" (82.6)
1.88" (47.8)
3.31" (84.0)

Typical Plate, 1-Gang

Dimensions in Inches (mm)

IP44
SUITABILITY

Weatherproof Covers for Receptacles with Face Dia. of 1.36–1.39 in. (34.5–35.3)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7423WO**
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL74CM23WO**
Cast aluminum, wet location only when cover "closed" and damp locations.	**HBL7420**
Cast aluminum, no lift cover, NOT weatherproof.	**HBL7320▲**

HBL7423WO

Weatherproof Covers for Switches & Receptacles with Face Dia. of 1.55–1.58 in. (39.4–40.1)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7425WOA**
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL74CM25WOA**
Thermoplastic, wet and damp locations with cover "open", white.	**HBL74CM25WOAW**
Cast aluminum, wet and damp locations with cover "closed."	**HBL7420***
Cast aluminum, no lift cover, NOT weatherproof.	**HBL7320▲**
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7428WOG****
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL7428WOY****
Thermoplastic, wet and damp locations with cover "open", red.	**HBL7428WOR****

HBL7425WOA

Weatherproof Covers for Receptacles with Face Dia. of 1.68–1.72 in. (42.7–43.7)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7424WO**
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL74CM24WO**
Cast aluminum, wet location only when cover "closed" and damp locations.	**HBL3393**
Cast aluminum, no lift cover, NOT weatherproof.	**HBL3394▲**

*Note: *Cast aluminum lift cover with fibershield for standard toggle and PresSwitch® Switches.*
**Features two #6-32 threaded inserts to back mount device to cover.
▲IP20 SUITABILITY.
All weatherproof lift cover plates on this page are UL Listed as "WDL Closed" for use in wet locations with cover closed and in damp locations.

HBL7420

Weatherproof Covers for Single Receptacles on FS/FD Boxes

All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

HBL7320

2017 National Electrical Code (NEC®) Requirement

406.9 Receptacles in Damp or Wet Locations.

(A) Damp Locations. A receptacle installed outdoors in a location protected from the weather or in other damp locations shall have an enclosure for the receptacle that is weatherproof when the receptacle is covered (attachment plug cap not inserted and receptacle covers closed). An installation suitable for wet locations shall also be considered suitable for damp locations. A receptacle shall be considered to be in a location protected from the weather where located under roofed open porches, canopies, marquees, and the like, and will not be subjected to a beating rain or water runoff. All 15 and 20A, 125 and 250V nonlocking receptacles shall be listed weather-resistant type.

(B) Wet Locations.
(1) 15 and 20 Ampere Receptacles in a Wet Location. 15 and 20 ampere, 125 and 250 volt receptacles installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be listed, and shall be identified as "extra-duty." Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box need not be marked "extra-duty." All 15 and 20 ampere, 125 and 250 volt nonlocking-type receptacles shall be listed weather-resistant type.

HBL7424WO

2.84" (72.1)
.19" (4.8) DIA. 4 HOLES
4.56" (115.8)
3.25" (82.6)
1.88" (47.8)
3.31" (84.0)

Typical Plate, 1-Gang

HBL3393

NEC® is a registered trademark of the The National Electrical Code.

Dimensions in Inches (mm)

IP44
SUITABILITY

HBL1795

HBL1750

HBL1785

HBL7420

HBL96061
Shown with cover and
switch (sold separately)

HBLWLC

Weatherproof Wallplates

Description	Catalog Number
Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	**HBL1795**

Weatherproof Wallplates

Description	Catalog Number
Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes.	**HBL1750***
Same as above except yellow.	**HBL17CM50***

*Note: *Not UL Listed.*

Weatherproof Wallplates

Description	Catalog Number
Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes.	**HBL1785***
Same as above except yellow.	**HBL17CM85***

*Note: *Not UL Listed.*

Weatherproof Covers

Description	Catalog Number
Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes.	**HBL7420**

Brass Locking Covers Attachment for Switches

Description	Catalog Number
Straight keying (all locks alike) appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	**HBL96061***
Same as above except in dull chrome finish to match stainless steel wallplates.	**HBL96061DCH***
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	**HBL96062***

*Note: *Not UL Listed or CSA Certified.*

Locking Device

Description	Catalog Number
Locking device for weatherproof covers.	**HBLWLC**

HUBBELL® *Wiring Device-Kellems*

www.hubbell-wiring.com

IP44
SUITABILITY

Duplex Covers For Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5221**
Thermoplastic, yellow, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM21**
Thermoplastic, white, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM21W**
Thermoplastic, gray, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5222**
Thermoplastic, yellow, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM22**
Die cast aluminum, gray, commercial grade, vertical position, device mount.	4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1)	**WP8V**

HBL5221

WP8V

Duplex Covers For Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Cast aluminum, for device mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	**HBL5205WO**
Cast aluminum, for FS/FD box mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	**HBL5206WO**
Die cast aluminum, gray, commercial grade, horizontal position, device mount.	2.90" x 4.60" x 0.75" (73.7 x 116.8 x 19.1)	**WP8H**

HBL5206WO

WP8H

GFCI, Surge and Style Line® Covers

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.84" x 1.27" (115.8 x 72.2 x 32.3)	**HBL5226**
Die cast aluminum, gray, commercial grade, vertical position, device mount.	4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1)	**WP26V**
Die cast aluminum, gray, commercial grade, horizontal position, device mount.	2.30" x 4.75" x 0.73" (58.4 x 120.7 x 18.5)	**WP26H**

HBL5226

WP26V

Toggle Cover

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5201**

Note: All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All cover plates are gasketed and self-closing.

HBL5201

Dimensions in Inches (mm)

$_c\text{(UL)}_{us}$

Features and Benefits

Weatherproof Metallic While-In-Use Covers

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- Premium powder coat
- External cord retention chamber
- Each box contains three or six adapters to make a variety of configurations (8 or 55)

WP26E

WP26EH

WP262E

Metallic EXTRA DUTY® While-In-Use Covers

Description		Dimensions Height x Width x Depth	Catalog Number
Heavy duty die-cast aluminum 1-gang box with gray lid for vertical mounting offers superior commercial quality 8-in-1 configurations.	1{8} Product Variations	6.12" X 3.37" X 3.5" (155.4 X 85.6 X 89.0)	**WP26E**
Heavy duty die-cast metal 1-gang box with gray lid for horizontal mounting; 8-in-1 configurations.	1{8} Product Variations	4.37" X 5.12" X 3.5" 111.0 X 130.0 X 89.0)	**WP26EH**
Heavy duty die-cast metal 2-gang box with gray lid for vertical mounting; 55-in-1 configurations.	1{55} Product Variations	6.12" X 5.12" X 3.5" (155.4 X 130.0 X 89.0)	**WP262E**

1{8} Product Variations — 1 Box {3 Adapters} (included with the box)

Vertical — 8 Configurations

1{55} Product Variations — 1 Box {6 Adapters} (included with the box)

55 Configurations

1{8} Product Variations — 1 Box {3 Adapters} (included with the box)

Horizontal — 8 Configurations

Metallic Cover Dimensions

3.35 (85) | 3.35 (85) | 6.12 (155)

WP26E

5.10 (130) | 3.35 (85) | 4.37 (110)

WP26EH

5.10 (130) | 3.35 (85) | 6.12 (155)

WP262E

Dimensions in Inches (mm)

Features and Benefits

Weatherproof Non-Metallic While-In-Use Covers

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- High-impact polycarbonate construction provides maximum durability
- Each box contains three or six adapters to make a variety of configurations (16 or 55)

Non-Metallic While-In-Use Covers

Description		Dimensions Height x Width x Depth	Standard	EXTRA DUTY®
Standard 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations.	1.16 Product Variations	5.90" X 4.18" X 2.75" (149.8 X 106.1 X 69.9)	**RW57300**	**RW58300**
Extra deep 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations.	1.16 Product Variations	5.92" X 4.20" X 4.75" (150.4 X 106.7 X 120.7)	**RW57350**	**RW58350**
Standard 2-gang box, clear tinted cover, for vertical mounting only; 55-in-1 configurations.	1.55 Product Variations	5.54" X 5.43" X 2.75" (140.7 X 138.0 X 69.9)	**RW57750**	**RW58750**

RW57300   **RW58300**

RW57350   **RW58350**

RW57750   **RW58750**

1.55 Product Variations

1 Box {6 Adapters}
(included with the box)

1.16 Product Variations   1 Box {3 Adapters}
(included with the box)

Vertical

Horizontal

16 Configurations

55 Configurations

Non-Metallic Cover Dimensions

3.93 (100)   2.78 (71)   2.00 (51)

RW58300

2.95 (75)   2.10 (53)   2.55 (65)

RW58350

3.72 (95)   3.62 (92)   2.05 (52)

RW58750

Dimensions in Inches (mm)

Features and Benefits

Weatherproof Non-Metallic Recessed While-In-Use Extra Duty Covers

Hubbell has added a unique solution to our weatherproof, non-metallic device cover line up with the Recessed In-Use Extra Duty rated Cover. This is a great alternative for locations to meet the NEC code when space and aesthetics are important.

- Aesthetically pleasing flat profile
- Meets the Extra Duty rating
- Versatility, it can be installed for new or old work
- Compatibility with all common siding types and materials: vinyl, wood, stucco and brick/block
- Mounted horizontally or vertically
- Includes an electrical box and optional siding flange
- Compatibility with duplex, GFCI and single receptacles (receptacle not included)
- cULus listed product and NEC and NEMA 3R compliant
- Colors available clear cover with gray, white or bronze back housing

RW5420CW

Non-Metallic EXTRA DUTY® While-In-Use Covers

Description	Color	Catalog Number
1-Gang Weatherproof Extra Duty Recessed While-In-Use Cover	Clear/Gray	**RW5420CG**
	Clear/White	**RW5420CW**
	Clear/Bronze	**RW5420CZ**

Weatherproof Heavy Cast Aluminum Lockable Cover

Made of heavy cast aluminum that provides high strength. Suitable for industrial and comercial applications.

- Flush enclosure, cover has mounting plate, fits standard 4 inch or 4¹¹⁄₁₆ inch electrical box
- Adapter plates for GFCI, duplex, single receptacles or switch
- Rated NEMA 3R
- cULus listed

WP4600

Weatherproof Heavy Cast Aluminum Lockable Cover

Description	Color	Catalog Number
1-Gang weatherproof 4 in 1 flush enclosure heavy cast aluminum lockable cover.	Aluminum	**WP4600**

Features and Benefits

Stainless Steel Weatherproof Flip Covers

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty 316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities.

- Manufactured in heavy duty 316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- Smooth surfaces to allow ease of cleaning
- Horizontal and vertical mounting positions
- Duplex and GFCI versions
- UL Type 3R:
  - Rain-tight and sleet (Ice) resistant
  - Self-closing lid
- UL Type 4X:
  - Watertight, dust-tight and corrosion resistant for wash-down application
  - Latching cover

Industries Commonly Served

- Food and Beverage Production and Distribution
- Chemical Plants
- Water and Wastewater Treatment
- Pharmaceuticals and Cosmetics
- Refining and Extraction Sites
- Petrochemical Operations
- Marine and Coastal Facilities
- Pulp and Paper Mills
- Along with other corrosive environments

1-Gang Stainless Steel Weatherproof Flip Covers for Vertical/Horizontal Mounting

Description	Catalog Number
1 Gang, Stainless Steel Duplex Cover, 3R	**HBLSS83R**
1 Gang, Stainless Steel GFCI Cover, 3R	**HBLSS263R**
1 Gang, Stainless Steel Duplex Cover, 4X	**HBLSS84X**
1 Gang, Stainless Steel GFCI Cover, 4X	**HBLSS264X**

HBLSS83R

HBLSS263R

HBLSS84X

HBLSS264X

Specifications

Cover	Stainless Steel
Base	Stainless Steel
Hinge Pin	Stainless Steel
Spring	Stainless Steel
Base Gasket	Elastomer
Cover Gasket	Elastomer
Back Gasket	Eva Form
Ground Screw	Steel, Zinc Plated
Mounting Screw	Stainless Steel

Product Dimensions

Catalog Number	Height	Width	Depth	Opening
HBLSS83R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS263R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
HBLSS84X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS264X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)

Dimensions in Inches (mm)

1-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for box mounting.	4.58" x 2.82" x 0.57" (116.3 x 71.6 x 14.5)	**RW51470**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.56" x 2.81" x 0.88" (115.8 x 71.4 x 22.4)	**RW51550***
Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting.	4.58" x 2.81" x 0.57" (116.3 x 71.4 x 14.5)	**RW51040**

RW51470

RW51550

RW51040

1-Gang Weatherproof Covers for Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting.	2.82" x 4.57" x 0.79" (71.6 x 116.1 x 20.1)	**RW51810**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	2.81" x 4.56" x 0.99" (71.4 x 115.8 x 25.1)	**RW51520***
Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting.	2.82" x 4.56" x 0.52" (71.6 x 115.8 x 13.2)	**RW51020**

RW51810

RW51520

RW51020

2-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting.	4.54" x 4.54" x 0.75" (115.3 x 115.3 x 19.1)	**RW51320**
Zinc die cast, gray, one duplex/one GFCI, Surge and Style Line® cover for box mounting.	4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6)	**RW51330**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6)	**RW51380**
Zinc die cast, gray, two GFCI, Surge and Style Line® cover for box mounting.	4.54" x 4.56" x 0.73" (115.3 x 115.8 x 18.5)	**RW51450**

RW51320

RW51330

RW51380

RW51450

Note: All weatherproof cover plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. All cover plates are gasketed and self-closing.
*cULus Listed.

Dimensions in Inches (mm)

Screws, 6-32 Thread, 100 Count

Description	Color/Material	Catalog Number
Decorator Wallplate Screws, Oval Head Milled Slot, ⅜ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Black	**RA38BKPK100**
	Brown	**RA38PK100**
	Gray	**RA38GYPK100**
	Ivory	**RA38IPK100**
	Light Almond	**RA38LAPK100**
	White	**RA38WPK100**
	Stainless Steel	**RA38SSPK100**
Brass plated screw, standard slot, .38 in. (9.7) long.	Brass	**HBL7341**
Standard Wallplate Screws, Oval Head Milled Slot, ½ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Black	**RA12BKPK100**
	Brown	**RA12PK100**
	Gray	**RA12GYPK100**
	Ivory	**RA12IPK100**
	Light Almond	**RA12LAPK100**
	White	**RA12WPK100**
Standard Wallplate Screws, Oval Head Milled Slot, ⅝ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Stainless Steel	**RA58SSPK100**
Standard Wallplate Screws, Oval Head Milled Slot, 1.0 in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Ivory	**RA88IPK100**
	White	**RA88WPK100**
	Stainless Steel	**RA88SSPK100**

RA38IPK100

HBL7341

RA12IPK100

RA58SSPK100

RA88IPK100

Single Count Screws and Accessories

Description	Color	Catalog Number
Blank adapter, to fill a toggle opening.	Brown	**RA756**
	Ivory	**RA756I**
	White	**RA756W**
Blank adapter, to fill a decorator opening.	Ivory	**NS620I**
	Light Almond	**NS620LA**
	White	**NS620W**
Blank adapter, .406" (10.30) dia. hole, to fill a decorator opening.	Ivory	**NS621I**
	Light Almond	**NS621LA**
	White	**NS621W**
Mounting strap, with screws.	Steel	**RA40**

RA756W   **RA40**

NS620I   **NS621I**

Wallplate Dimensions

Size	Standard Nylon		Mid-Size Nylon		Jumbo-Size Nylon	
	Height	Width	Height	Width	Height	Width
1-Gang	4.63" (117.6)	2.88" (73.2)	4.88" (124.0)	3.13" (79.5)	5.25" (133.4)	3.50" (88.9)
2-Gang	4.63" (117.6)	4.69" (119.1)	4.88" (124.0)	4.94" (125.4)	5.25" (133.4)	5.31" (134.9)
3-Gang	4.63" (117.6)	6.50" (165.1)	4.88" (124.0)	6.75" (171.5)		
4-Gang	4.63" (117.6)	8.31" (211.1)	4.88" (124.0)	8.56" (217.4)		
5-Gang	4.63" (117.6)	10.12" (256.1)				
6-Gang	4.63" (117.6)	11.93" (303.0)				

Size	Snap-On Nylon		
	Height	Width	Depth
1-Gang	4.75" (120.6)	3.00" (76.2)	.25" (6.35)
2-Gang	4.75" (120.6)	4.81" (122.2)	.25" (6.35)
3-Gang	4.75" (120.6)	6.62" (168.2)	.25" (6.35)
4-Gang	4.75" (120.6)	8.44" (214.3)	.25" (6.35)

Size	Standard Metal		Painted Metal		Jumbo Metal	
	Height	Width	Height	Width	Height	Width
1-Gang	4.50" (114.3)	2.87" (72.9)	4.50" (114.3)	2.75" (69.8)	5.25" (133.4)	3.50" (88.9)
2-Gang	4.50" (114.3)	4.60" (116.8)	4.50" (114.3)	4.56" (115.8)	5.25" (133.4)	5.31" (134.9)
3-Gang	4.50" (114.3)	6.41" (162.8)	4.50" (114.3)	6.38" (162.1)		
4-Gang	4.50" (114.3)	8.22" (208.8)	4.50" (114.3)	8.18" (207.8)		
5-Gang	4.50" (114.3)	10.03" (254.8)	4.50" (114.3)	10.00" (254.0)		
6-Gang	4.50" (114.3)	11.81" (300.0)	4.50" (114.3)	11.81" (300.0)		
7-Gang	4.50" (114.3)	13.68" (347.5)				
8-Gang	4.50" (114.3)	15.44" (392.1)				

Wallplate Openings and Mounting Dimensions

#6-32 Oval Head Screws Typical

Standard Metal - 1.39" (35.3)
Painted Metal - 1.37" (34.8)
Jumbo Metal - 1.76" (44.7)
Standard Nylon - 1.44" (36.6)
Mid-Size Nylon - 1.56" (39.6)

1.81" (46.0) TYP.   1.81" (46.0) TYP.   1.81" (46.0) TYP.   1.81" (46.0) TYP.

Duplex Recept. Device Mtg.

Power Outlet Device Mtg. 2.50" (63.5)

Standard Device Mtg. 2.38" (60.5)

Rectangular Device Mtg. 3.81" (96.8)

Box Mtg. 3.28" (83.3)

Note: Specifications are subject to change without notice.

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Custom Metal Wallplates
How To Select A Custom Metal Wallplate

Step 1:
Determine wallplate material and enter in box marked "Catalog Number"

Determine number of gangs required and enter in box marked "Catalog Number" next to material.

Smooth Metal Material	Code
Anodized Aluminum	**AL**
Brass plated steel	**BP**
Solid brass	**BR**
Chrome plated steel	**CH**
Stainless steel 302/304	**SS**

Number of Gangs	Code
1-gang	**1**
2-gang	**2**
3-gang	**3**
4-gang	**4**
5-gang	**5**
6-gang	**6**
7-gang	**7**
8-gang	**8**

Enter Catalog Number

♦ | **WC*** | **SS** | **4** |

Step 2:
Enter quantity.

Step 3:
Select the custom metal wallplate configuration.

Refer to the custom wallplate configuration chart to select a configuration for each gang in the wallplate. Each configuration has a specific 3-digit code located in the right hand side of the chart on pages O-34 to O-36. Enter this 3-digit configuration code in the corresponding box on the order form grid to match the position required on the finished custom wallplate.

Item No.	Catalog Number	Quantity	Code	Position 1	Position 2	Position 3	Position 4
1	WCSS4		H*	001	149	008	026
2							

Note: *WC and H are preprinted on the distributor order form.

♦*Number to use for pricing.*

The 3-digit numbers listed at the upper right of the Sample Order Form (001, 149, etc.) represent the custom metal wallplate selected on the right. See Configuration Chart and Hubbell Configuration Selector Guide on pages O-34 to O-36 or additional configuration choices.

Wallplates and Covers

Configuration Chart

001
Switch.

007
Single Receptacle.
1.40" ID (35.6) Hole.

008
Duplex Receptacle.

011
1-Gang .635" ID (16.1)
Hole Box Mounted with
.50" ID (12.7) Nylon Bushing.

012
1-Gang .635" ID (16.1) Hole Strap Mounted
incl. Strap with .50" ID (12.7) Nylon Bushing.

013
Blank Box Mounted.

014
Blank Strap Mounted
incl. Strap.

026
Rectangular Opening.

055
1-gang .375" ID (9.5) Hole
Strap Mounted incl. Strap.

056
1-Gang .375" ID (9.5) Hole
Box Mounted.

057
1-Gang .50" ID (12.7) Hole
Strap Mounted incl. Strap.

058
1-Gang .50" ID
(12.7) Hole Box Mounted.

078
Barrel Key Switch.

079
Barrel Key Switch with
Hash Marks.

080
Barrel Key Switch with
ON/OFF and Hash Marks.

091
Single Receptacle.
1.60" ID (40.5) Hole.

098
Single Receptacle.
2.16" ID (54.7) Hole.

135
Vertical Mounted Louver.

149
Totally Blank
(No Mounting Holes).

Coax/Twinax and Modular Jack Openings

456
.375" (9.5) Dia.
Round Box Mounted.

458
.500" (12.7) Dia.
Round Box Mounted.

411
.635" (16.1) Dia.
Round Box Mounted.

Note: For detailed dimensions of the above configurations, see pages O-35 and O-36. Available in smooth metal, standard size only up to and including 8-gang type.

Dimensions in Inches (mm)

HUBBELL® **Wiring Device-Kellems**

Wallplates and Covers

Configuration Chart (Continued)

Configuration **001**

Toggle Switch Wallplate

Configuration **026**

GFI/Rectangular Opening

Configuration **007**

Single 15 or 20A Straight Blade Receptacle; 15A Twist-Lock® Receptacle

Configuration **055**

Single, .375" (9.5) Telephone (Strap Mount)

Configuration **008**

Duplex Receptacle

Configuration **056**

Single, .375" (9.5) Telephone (Box Mount)

Configuration **011**

Single, .635" (16.1) Telephone (Box Mount)

Configuration **057**

Single, .50" (12.7) Telephone (Strap Mount)

Configuration **012**

Single, .635" (16.1) Telephone (Strap Mount)

Configuration **058**

Single, .50" (12.7) Telephone (Box Mount)

Configuration **013**

Blank Walllate (Box Mount)

Configuration **078**

Barrel Key Switch

Configuration **014**

Blank Wallplate (Strap Mount)

Configuration **079**

Barrel Key Switch with Hash Marks

Note: Specifications are subject to change without notice.

Dimensions in Inches (mm)

Configuration Chart (Continued)

Configuration 080

2.78" (70.6)
(2) Mtg. Holes for #6-32 Screw
4.53" (115.1)
2.38" (60.3)
.875" DIA (22.2)

Barrel Key Switch with ON/OFF and Hash Marks

Configuration 091

2.78" (70.6)
(2) Mtg. Holes for #6-32 Screw
4.53" (115.1)
2.38" (60.5)
1.595" DIA (40.5)

Single 20 or 30A Twist-Lock® Receptacle

Configuration 098

2.78" (70.6)
(2) Mtg. Holes for #6-32 Screw
4.53" (115.1)
2.50" (63.5)
2.156" DIA (54.7)

Single Receptacle, 30 or 50A Straight Blade, 3 Wire Power Outlet

Configuration 135

2.78" (70.6)
(2) Mtg. Holes for #6-32 Screw
4.53" (115.1)
2.38" (60.5)

Louvered Wallplate (Strap Mount)

Configuration 149

2.78" (70.6)
4.53" (115.1)

Totally Blank Wallplate

Configuration 295

2.78" (70.6)
(2) Mtg. Holes for #6-32 Screw
4.53" (115.1)
3.28" (83.3)
.06" (1.5) R (2) Typ
.09" (2.3) R (4) Typ
1.66" (42.1) 1.86" (47.2)
.13" (3.3)
.45" (11.4)

RS232 Port Single 25-Pin (Box Mount)

Configuration 411

2.78" (70.6)
(2) Mtg. Holes for #6-32 Screw
4.53" (115.1)
3.28" (83.3)
.635" (16.1) DIA (2) Typ
1.50" (38.1)
.50" DIA (12.7) w/Bushing

Dual .635" (16.1) Holes (Box Mount)

Configuration 456

2.78" (70.6)
(2) Mtg. Holes for #6-32 Screw
4.53" (115.1)
3.28" (83.3)
.375" DIA (9.5) (2) Typ
1.50" (38.1)

Dual .375" (9.5) Round (Box Mount)

Configuration 458

2.78" (70.6)
(2) Mtg. Holes for #6-32 Screw
4.53" (115.1)
3.28" (83.3)
.500" DIA (12.7) (2) Typ
1.50" (38.1)

Dual .50" (12.7) Round (Box Mount)

Note: Specifications are subject to change without notice.

Dimensions in Inches (mm)

SystemOne Recessed Concrete Floor Boxes	CONNEXION 2.0 Zone Distribution System	Furniture and Work Surface Boxes

Products at a Glance

2-Gang Recessed

The Hubbell SystemOne 2-Gang Recessed Concrete Floor Box offers eight styles, satisfying the requirements of almost any commercial building application. Rectangular or round covers, as well as furniture feed covers, are available in a variety of finishes to blend with any existing or new décor. A parallel-device layout reduces plug interference, maximizing functionality and performance.

4-Gang Recessed

Similar to the 2-Gang Recessed Concrete Floor Box, Hubbell's SystemOne 4-Gang Recessed Concrete Floor Box is available with rectangular or round covers. Ten different styles make it possible to meet the electrical requirements of most commercial projects - new construction or renovation. The parallel device layout maximizes functionality which can be limited when devices are mounted 90° from one another.

6-Gang Recessed

Increased power, data, and AV capacity is what the Hubbell SystemOne 6-Gang Recessed Concrete Floor Box was designed to handle. Four styles allow the floor box to work within almost any commercial application to enhance connectivity. Rectangular and round covers are available in a variety of finishes that work with any aesthetic or finish.

10-Gang Recessed

With maximum capacity in a small footprint, the 10-Gang box provides a uniform look with rectangular or round covers that are available in several finishes to complement existing décor. Electrical devices are mounted vertically and are mounted to the plate prior to securing it to the box. Two inch knockouts are designed into each box allowing for simple installation of AV cables with pre-connectorized heads and specific bend radius requirements.

Cover

- Available in round, rectangular and furniture feed styles
- 180° cover opening
- Two large cable egress doors
- Listed to UL 514A and UL scrubwater compliant
- Die cast aluminum cover construction
- All covers are ADA compliant
- Post pour adjustment

Box

- 16 gauge galvanized sheet metal and cast iron construction
- Optional fusion-bonded, green epoxy paint for on-grade use
- 6 in. solid conductor ground pigtail in each gang
- 3 in. deep version accepts adapter (**CFBHUB2**) for 2 in. conduit
- Pre pour adjustment
- Meets UL 514A requirements and are UL scrubwater compliant
- Patent pending, labor saving, easy mount device plates

Features and Benefits

SystemOne Recessed Concrete Floor Boxes

Featuring the unique capabilities of Hubbell's SystemOne family design.
Hubbell has expanded its floor box offering to provide industry leading
flexibility while accommodating an extensive range of applications.
Hubbell SystemOne is constructed to give customers the ability
to create personal solutions for their most demanding, power,
data and audio/video requirements.

Recessed 4-Gang
Floor Box with Cover

Family Look

- Hubbell SystemOne Recessed
  Floor Box line offers a common look
  regardless of capacity or installation.
  This simple concept ensures a
  consistent look throughout a building
  with rectangular or round covers.
  Round covers lend themselves to
  multi-story buildings also using Fire-
  Rated Poke-Through devices

Covers

- All SystemOne covers are ADA
  compliant. The doors open to 180°
  for maximum access. Cables and
  plugs are protected by recessed
  connections

1 Screw 3 Fasteners

- Pre-wired duplex or Style Line®
  receptacles with 8 in. stranded leads
  are installed into plates to allow for
  even more labor savings

Easy Mount Device Plates

- The Easy Mount device plates allow for
  a device to be mounted to the plate
  and wired outside of the floor box.
  The device and plate assembly are
  then easily installed and secured with
  one stud that locates the plate and
  one screw to secure it

- This patent pending device fastening
  method maximizes efficiency while
  reducing install time and comes
  standard with all device plates for
  2, 4 and 6-gang boxes

CR Version

- Coated with fusion-bonded epoxy paint
  to help prevent corrosion and intended
  for on-grade use

Selecting a SystemOne Recessed Concrete Floor Box

To assist with the floor box selection process, please have the following information available:

Electrical requirements:	Application:	Cover style:
Power (each electrical device requires one gang) Data/AV (consult manufacturers' specification for size/ volume requirements), number required. Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box	On-grade (OG) Above-grade (AG) Minimum concrete pour depth	Round Rectangular

Once this information is gathered start on the capacity column:

① Capacity: Select necessary box.

② Application: Select the concrete pour depth and on-grade or above-grade application.

③ Cover style: Select round or rectangular cover.

④ Locate interconnecting point of all three categories and move to right to select correct catalog number.

Electrical Requirements - Capacity ① / **Select Correct Catalog Number ④**

Capacity	2½ in. AG	2½ in. OG	3 in. AG	3 in. OG	3¼ in. AG	3¼ in. OG	3¾ in. AG	3¾ in. OG	5½ in. AG	5½ in. OG	6¼ in. AG	6¼ in. OG	Steel	Corrosion Resistant	Cast Iron	Catalog Number
2-Gang	•												•			CFB2G25
		•												•		CFB2G25CR
			•										•			CFB2G30
				•										•		CFB2G30CR
					•								•			CFB2G25R
						•								•		CFB2G25RCR
							•						•			CFB2G30R
								•						•		CFB2G30RCR
4-Gang	•												•			CFB4G25
		•												•		CFB4G25CR
			•										•			CFB4G30
				•										•		CFB4G30CR
					•								•			CFB4G25R
						•								•		CFB4G25RCR
							•						•			CFB4G30R
								•						•		CFB4G30RCR
				•											•	CFB4G30CI
								•							•	CFB4G30RCI
6-Gang			•										•			CFB6G30
				•										•		CFB6G30CR
							•						•			CFB6G30R
								•						•		CFB6G30RCR
10-Gang									•				•			CFB10G55
									•					•		CFB10G55CR
										•			•			CFB10G55R
											•			•		CFB10G55RCR
Cover Style ③	Rectangular	Rectangular	Rectangular	Rectangular	Round	Round	Round	Round	Rectangular	Rectangular	Round	Round				

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Features and Benefits

SystemOne Recessed Benefits and Enhancements

Functionality
- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Common door layout regardless of flange for harmonized look
- Meets UL 514A scrubwater requirements with ScrubShield® technology
- Easy selection with common look for all floor types

Value
- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers

Online Resources
- BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com

Recessed 6-Gang
Floor Box with Cover

Safety
- Flush flange available for tile, finished concrete or Terrazzo
- Surface flange available for carpeted floors with 0.15 in. rise meets ADA requirements
- Hideaway egress doors fold under cover while in use
- 180° opening of main door

Covers
- All SystemOne covers are ADA compliant. The doors open to 180° for maximum access. Cables and plugs are protected by recessed connections

Concrete Pour Pocket Cap
- In concrete applications, all SystemOne Recessed floor boxes include a yellow factory installed, field-removable pour pocket cap provides a pocket in the final floor to accept the covers intended for terrazzo, tile, or finished concrete floor. The cap may not be used for carpet, wood or engineered floors

Extension Caps
- Pre-pour extension caps allows the box to be recessed up to 1 inch into the concrete floor

CR Version
- Corrosion resistant epoxy paint intended for on-grade use, the CR version is coated with fusion-bonded epoxy paint to help prevent corrosion

2 Inch Conduit Ready
- To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch threaded conduit hub. The offset design allows for less conduit lifting while threading and the hub mounting holes are asymmetrical for installation efficiency

SystemOne Recessed 2-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover	
Box Type				
Standard	**CFB2G30**	**CFB2G25**	**CFB2G30R**	**CFB2G25R**
Corrosion-Resistant (On-grade)	**CFB2G30CR**	**CFB2G25CR**	**CFB2G30RCR**	**CFB2G25RCR**
Recommended Pour Depth	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
Min. Depth of Pour	3.00" (76.2)	2.50" (63.5)	3.75" (95.3)	3.25" (82.6)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	35.0 cu. in. (573.6 cm³)	30.0 cu. in. (491.7 cm³)	35.0 cu. in. (573.6 cm³)	30.0 cu. in. (491.7 cm³)
Dimensions – A	3.00" (76.2)	2.50" (63.5)	–	–
Dimensions – B	6.62" (168.1)	6.62" (168.1)	7.32" (185.9)	7.32" (185.9)
Dimensions – C	13.80" (350.3)	13.80" (350.3)	13.80" (350.3)	13.80" (350.3)
Dimensions – D	–	–	6.37" (161.7) TYP.	6.37" (161.7) TYP.
Dimensions – E	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
KO Trade Size: Ends	(4) ¾", 1", 1¼", 2"*	(4) ½", ¾", 1"	(2) ½", ¾", (2) ¾", 1", 1¼", 2"*	(2) ½", ¾", 1"
Sides	(4) ½", ¾", 1", 1¼"	(4) ½", ¾", 1"	(4) ½", ¾", 1", 1¼"	(4) ½", ¾", 1"
Bottom	(4) ½", ¾", 1", 1¼"	(4) ½", ¾", (4) 1", 1¼"	(4) ½", ¾", 1", 1¼"	(2) ½", ¾", (2) 1", 1¼"
Cover Family	Rectangular	Rectangular	Round	Round
Concrete Cover Included	✓	✓	✓	✓
2 Inch Hub Compatible	✓	–	✓	–

Note: UL File Number E31999.
   **Requires CFBHUB2 for 2" conduits.*

Rectangular Covers

- Compatible with **CFB2G25**, **CFB2G25CR**, **CFB2G30** and **CFB2G30CR**
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors

Finish	Surface Cover Dimensions 11¹¹⁄₁₆ in. x 7³⁄₁₆ in.			Flush Cover Dimensions 10¹¹⁄₁₆ in. x 6³⁄₁₆ in.		
	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)
Aluminum Powder Coat	**24GCCVRALU**	**24GCCVRALUC**	**24GCFFCVRALU**	**24GTCVRALU**	**24GTCVRALUC**	**24GTFFCVRALU**
Black Powder Coat	**24GCCVRBK**	**24GCCVRBKC**	**24GCFFCVRBK**	**24GTCVRBK**	**24GTCVRBKC**	**24GTFFCVRBK**
Brass Powder Coat	**24GCCVRBRS**	**24GCCVRBRSC**	**24GCFFCVRBRS**	**24GTCVRBRS**	**24GTCVRBRSC**	**24GTFFCVRBRS**
Bronze Powder Coat	**24GCCVRBRZ**	**24GCCVRBRZC**	**24GCFFCVRBRZ**	**24GTCVRBRZ**	**24GTCVRBRZC**	**24GTFFCVRBRZ**
Satin Nickel Powder Coat	**24GCCVRNK**	**24GCCVRNKC**	**24GCFFCVRNK**	**24GTCVRNK**	**24GTCVRNKC**	**24GTFFCVRNK**

6 Inch Round Covers

- Compatible with **CFB2G25R**, **CFB2G25RCR**, **CFB2G30R** and **CFB2G30RCR**
- Cover has a 7½ in. outer diameter and two large cable egress doors and access 180° opening
- Maximum static load of 1,000 lbs. with 2x safety factor*

Finish	Flush Surface	Furniture Feed (¾ in. and 2 in. Plugs)	
Brushed Aluminum	**CFBS1R6CVRALU**	**CFBS1R6FFCVRALU**	
Black Powder Coat	**CFBS1R6CVRBLK**	**CFBS1R6FFCVRBLK**	
Brass Plated	**CFBS1R6CVRBRS**	**CFBS1R6FFCVRBRS**	
Bronze Plated	**CFBS1R6CVRBRZ**	**CFBS1R6FFCVRBRZ**	
Gray Powder Coat	**CFBS1R6CVRGRY**	**CFBS1R6FFCVRGRY**	
Satin Nickel Plated	**CFBS1R6CVRNKL**	**CFBS1R6FFCVRNKL**	

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Dimensions in Inches (mm)

SystemOne Recessed 4-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover		Cast Iron	
Box Type						
Standard	**CFB4G30**	**CFB4G25**	**CFB4G30R**	**CFB4G25R**	–	–
Corrosion-Resistant (On-grade)	**CFB4G30CR**	**CFB4G25CR**	**CFB4G30RCR**	**CFB4G25RCR**	–	–
Cast Iron	–	–	–	–	**CFB4G30CI**	**CFB4G30RCI**
Recommended Pour Depth	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)	3.75" (95.3)	4.00" (101.6)
Min. Depth of Pour	3.00" (76.2)	2.50" (63.5)	3.75" (95.3)	3.25" (82.6)	3.25" (82.6)	4.00" (101.6)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	32.5 cu. in. (532.6 cm³)	26.5 cu. in. (434.3 cm³)	32.5 cu. in. (532.6 cm³)	26.5 cu. in. (434.3 cm³)	30.0 cu. in. (491.7 cm³)	30.0 cu. in. (491.7 cm³)
Dimensions – A	3.00" (76.2)	2.50" (63.5)	–	–	3.20" (81.3)	–
Dimensions – B	11.20" (284.5)	11.20" (284.5)	11.20" (284.5)	11.20" (284.5)	11.44" (290.5)	11.44" (290.5)
Dimensions – C	12.09" (307.1)	12.09" (307.1)	12.09" (307.1)	12.09" (307.1)	13.19" (335.1)	13.19" (335.1)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.	–	8.37" (212.5) TYP.
Dimensions – E	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)	3.70" (94.0)	4.00" (101.6)
KO Trade Size: Ends	(4) ¾", 1", 1¼", 2"*	(4) ½", ¾", 1"	(4) ¾", 1", 1¼", 2"*	(4) ½", ¾", 1"	(4) 1½" NPT Thread	(4) 1½" NPT Thread
Sides	(4) ½", ¾", 1", 1¼"	(4) ½", ¾", 1"	(4) ½", ¾", 1", 1¼"	(4) ½", ¾", 1"	(4) ¾" NPT Thread	(4) ¾" NPT Thread
Bottom	(4) ½", ¾", 1", 1¼"	(4) ½", ¾", (4) 1", 1¼"	(4) ½", ¾", 1", 1¼"	(4) ½", ¾", (4) 1", 1¼"		
Cover Family	Rectangular	Rectangular	Round	Round	Rectangular	Round
Concrete Cover Included	✓	✓	✓	✓	✓	✓
2 Inch Hub Compatible	✓	–	✓	–	–	–

Note: UL File Number E31999.
*Requires CFBHUB2 for 2" conduits.

Rectangular Covers

- Compatible with **CFB4G25**, **CFB4G25CR**, **CFB4G30** and **CFB4G30CR**
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors

Finish	Surface Cover dimensions 11¹¹⁄₁₆ in. x 7³⁄₁₆ in.			Flush Cover dimensions 10¹¹⁄₁₆ in. x 6³⁄₁₆ in.		
	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)
Aluminum Powder Coat	**24GCCVRALU**	**24GCCVRALUC**	**24GCFFCVRALU**	**24GTCVRALU**	**24GTCVRALUC**	**24GTFFCVRALU**
Black Powder Coat	**24GCCVRBK**	**24GCCVRBKC**	**24GCFFCVRBK**	**24GTCVRBK**	**24GTCVRBKC**	**24GTFFCVRBK**
Brass Powder Coat	**24GCCVRBRS**	**24GCCVRBRSC**	**24GCFFCVRBRS**	**24GTCVRBRS**	**24GTCVRBRSC**	**24GTFFCVRBRS**
Bronze Powder Coat	**24GCCVRBRZ**	**24GCCVRBRZC**	**24GCFFCVRBRZ**	**24GTCVRBRZ**	**24GTCVRBRZC**	**24GTFFCVRBRZ**
Satin Nickel Powder Coat	**24GCCVRNK**	**24GCCVRNKC**	**24GCFFCVRNK**	**24GTCVRNK**	**24GTCVRNKC**	**24GTFFCVRNK**

8 Inch Round Covers

- Compatible with **CFB4G25R**, **CFB4G25RCR**, **CFB4G30R**, **CFB4G30RCR** and **CFB4G30RCI**
- Cover has a 9½ in. outer diameter and two large cable egress doors and access 180° opening
- Maximum static load of 1,000 lbs. with 2x safety factor*

Finish	Flush Surface
Brushed Aluminum	**CFBS1R8CVRALU**
Black Powder Coat	**CFBS1R8CVRBLK**
Brass Plated	**CFBS1R8CVRBRS**
Bronze Plated	**CFBS1R8CVRBRZ**
Gray Powder Coat	**CFBS1R8CVRGRY**
Satin Nickel Plated	**CFBS1R8CVRNKL**

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

Dimensions in Inches (mm)

SystemOne Recessed 6-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover	
Box Type				
Standard Corrosion-Resistant (On-grade)	**CFB6G30** –	– **CFB6G30CR**	**CFB6G30R** –	– **CFB6G30RCR**
Recommended Pour Depth	3.50" (88.9)	3.50" (88.9)	3.75" (95.3)	3.75" (95.3)
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.75" (95.3)	3.75" (95.3)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	33.0 cu. in./89.0 cu. in. (540 cm³/1458 cm³)	33.0 cu. in./89.0 cu. in. (540 cm³/1458 cm³)	33.0 cu. in./89.0 cu. in. (540 cm³/1458 cm³)	33.0 cu. in./89.0 cu. in. (540 cm³/1458 cm³)
Dimensions – A	3.00" (76.2)	3.00" (76.2)	–	–
Dimensions – B	18.42" (467.9)	18.42" (467.9)	18.42" (467.9)	18.42" (467.9)
Dimensions – C	11.54" (293.0)	11.54" (293.0)	11.54" (293.0)	11.54" (293.0)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	3.50" (88.9)	3.50" (88.9)	3.75" (95.3)	3.75" (95.3)
KO Trade Size: Ends Sides Bottom	(4) ¾", 1", 1¼", 1½" (8) ¾", 1", 1¼", 2"* (4) ¾", 1", 1¼", 1½", (4) ½", ¾"	(4) ¾", 1", 1¼", 1½" (8) ¾", 1", 1¼", 2"* (4) ¾", 1", 1¼", 1½", (4) ½", ¾"	(4) ¾", 1", 1¼", 1½" (8) ¾", 1", 1¼", 2"* (4) ¾", 1", 1¼", 1½", (4) ½", ¾"	(4) ¾", 1", 1¼", 1½" (8) ¾", 1", 1¼", 2"* (4) ¾", 1", 1¼", 1½", (4) ½", ¾"
Cover Family	Rectangular	Rectangular	Round	Round
Concrete Cover Included	✓	✓	✓	✓
2 Inch Hub Compatible	✓	✓	✓	✓

Note: UL File Number E31999.
*Requires CFBHUB2 for 2" conduits.

Rectangular Covers

- Compatible with **CFB6G30** and **CFB6G30CR**
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*

- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors

Finish	Surface Cover Dimensions 11½ in. x 10 in.		Flush Cover Dimensions 10½ in. x 9 in.	
	Without Insert	With Insert	Without Insert	With Insert
Aluminum Powder Coat	**610GCCVRALU**	**610GCCVRALUC**	**610GTCVRALU**	**610GTCVRALUC**
Black Powder Coat	**610GCCVRBK**	**610GCCVRBKC**	**610GTCVRBK**	**610GTCVRBKC**
Brass Powder Coat	**610GCCVRBRS**	**610GCCVRBRSC**	**610GTCVRBRS**	**610GTCVRBRSC**
Bronze Powder Coat	**610GCCVRBRZ**	**610GCCVRBRZC**	**610GTCVRBRZ**	**610GTCVRBRZC**
Satin Nickel Powder Coat	**610GCCVRNK**	**610GCCVRNKC**	**610GTCVRNK**	**610GTCVRNKC**

8 Inch Round Covers

- Compatible with **CFB6G30R** and **CFB6G30RCR**
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,000 lbs. with 2x safety factor*

Finish	Flush Surface
Brushed Aluminum	**CFBS1R8CVRALU**
Black Powder Coat	**CFBS1R8CVRBLK**
Brass Plated	**CFBS1R8CVRBRS**
Bronze Plated	**CFBS1R8CVRBRZ**
Gray Powder Coat	**CFBS1R8CVRGRY**
Satin Nickel Plated	**CFBS1R8CVRNKL**

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

Dimensions in Inches (mm)

Plates for Use in SystemOne 2, 4 and 6-Gang Floor Boxes

• UL 514A listed

Plate Style	(1) Decorator Opening	(1) Duplex Opening	(2) Extron® MAAP Openings	(2) Extron® Openings
Cat. No.	**FBMPREC**	**FBMPDUP**	**FBMPMAAP**	**FBMPAAP**

Plate Style	(2) 1U Hubbell iStation Openings	(1) 1.5U Hubbell iStation Opening	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter
Cat. No.	**FBMP2IM**	**FBMP15IM**	**FBMP139**	**FBMP156**

Plate Style	1-Gang Blank	Cable Feed Through with Bushing	(1) Opening for TracJack® or Series II®	(1) Opening with Hubbell ISF6 Frame for Keystone Jacks
Cat. No.	**FBMPBNK**	**FBMPFT**	**FBMPTRAC**	**FBMP6KS**

Pre-Wired Device Plates

• Reduces wiring and installation times
• 8 in. stranded leads mounted to the face plate

Description	Type	15A	20A
Duplex, Gray.	Standard	**PWFBMPCR15GRY**	**PWFBMPCR20GRY**
	Tamper-Resistant	**PWFBMPCR15GRYTR**	**PWFBMPCR20GRYTR**
Decorator, Gray.	Standard	**PWFBMPDR15GRY**	**PWFBMPDR20GRY**
	Tamper-Resistant	**PWFBMPDR15GRYTR**	**PWFBMPDR20GRYTR**

Accessories

Description			Catalog Number
2 in. threaded zinc hub for use with **CFB2G30**, **CFB4G30** and **CFB6G30** series floor boxes; replaces **CFBKOPLATE.**			**CFBHUB2**
Replacement knock-out plate.		Standard	**CFBKOPLATE**
		Epoxy Coating	**CFBKOPLATECR**
CFB4G series replacement dividers.			**CFB4GDIVKIT**
CFB6G series replacement dividers.			**CFB6GDIVKIT**
Stackable ring to increase box height and concrete pour depth by ¾ in. increments above top plane of floor box. One ring per ¾ in. depth increase. **Must be installed before concrete pour.**		2-Gang	4 and 6-Gang
		CFB6RCVRR075	**CFB8RCVRR075**
Finished floor height adjustment ring - **increase post pour adjustment**; use with round cover series.	0 - ¼ in.	**CFB6RCVRR1***	**CFB8RCVRR1****
	¼ in. - ½ in.	**CFB6RCVRR2**	**CFB8RCVRR2**
	½ in. - ¾ in.	**CFB6RCVRR3**	**CFB8RCVRR3**
2 and 4-gang rectangular pre-pour ½ in. extension caps (2 pack).			**24GEXTENDCAP2PK**
6 and 10-gang rectangular pre-pour ½ in. extension caps (2 pack).			**610GEXTENDCAP2PK**

*Note: *Included with standard **CFB2G30R** and **CFB2G25R** series.*
*   **Included with standard **CFB4G30R** and **CFB4G25R** series.*

Extron® is a registered trademark of Extron Electronics.
Crestron® is a registered trademark of Crestron Electronics, Inc.
FSR® is a registered trademark of FSR Inc.
TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Dimensions in Inches (mm)

SystemOne Recessed 8*/10-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover	
Box Type				
Standard Corrosion-Resistant (On-grade)	**CFB10G55** –	– **CFB10G55CR**	**CFB10G55R** –	– **CFB10G55RCR**
Recommended Pour Depth	6.09" (154.2)	6.09" (154.2)	6.31" (160.2)	6.31" (160.2)
Min. Depth of Pour	5.59" (142.0)	5.59" (142.0)	6.31" (160.2)	6.31" (160.2)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	25/50/71 cu. in. (409.7/819.4/1163.5 cm³)	25/50/71 cu. in. (409.7/819.4/1163.5 cm³)	25/50/71 cu. in. (409.7/819.4/1163.5 cm³)	25/50/71 cu. in. (409.7/819.4/1163.5 cm³)
Dimensions – A	5.59" (142.0)	5.59" (142.0)	–	–
Dimensions – B	10.96" (278.4)	10.96" (278.4)	10.96" (278.4)	10.96" (278.4)
Dimensions – C	12.09" (307.0)	12.09" (307.0)	12.09" (307.0)	12.09" (307.0)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	6.09" (154.7)	6.09" (154.7)	6.31" (160.2)	6.31" (160.2)
KO Trade Size: Ends Sides Bottom	(2) ½", ¾", (2) ¾", 1", 1¼", 1½", (2) 1", 1¼", 1½", 2" (4) ¾", 1", 1¼", 1½" (2) ½", ¾", (4) ½", ¾", 1", 1¼"	(2) ½", ¾", (2) ¾", 1", 1¼", 1½", (2) 1", 1¼", 1½", 2" (4) ¾", 1", 1¼", 1½" (2) ½", ¾", (4) ½", ¾", 1", 1¼"	(1) ½", ¾", (1) ¾", 1", 1¼", 1½", (2) 1", 1¼", 1½", 2" (4) ¾", 1", 1¼", 1½" (2) ½", ¾", (4) ½", ¾", 1", 1¼"	(1) ½", ¾", (1) ¾", 1", 1¼", 1½", (2) 1", 1¼", 1½", 2" (4) ¾", 1", 1¼", 1½" (2) ½", ¾", (4) ½", ¾", 1", 1¼"
Cover Family	Rectangular	Rectangular	Round	Round
Concrete Cover Included	✓	✓	✓	✓
2 Inch Hub Compatible	–	–	–	–

Note: UL File Number E31999.
*Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.

Rectangular Covers

- Compatible with **CFB10G55** and **CFB10G55CR**
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors

Finish	Surface Cover Dimensions 11½ in. x 10 in.		Flush Cover Dimensions 10½ in. x 9 in.	
	Without Insert	With Insert	Without Insert	With Insert
Aluminum Powder Coat	**610GCCVRALU**	**610GCCVRALUC**	**610GTCVRALU**	**610GTCVRALUC**
Black Powder Coat	**610GCCVRBK**	**610GCCVRBKC**	**610GTCVRBK**	**610GTCVRBKC**
Brass Powder Coat	**610GCCVRBRS**	**610GCCVRBRSC**	**610GTCVRBRS**	**610GTCVRBRSC**
Bronze Powder Coat	**610GCCVRBRZ**	**610GCCVRBRZC**	**610GTCVRBRZ**	**610GTCVRBRZC**
Satin Nickel Powder Coat	**610GCCVRNK**	**610GCCVRNKC**	**610GTCVRNK**	**610GTCVRNKC**

8 Inch Round Covers

- Compatible with **CFB10G55R** and **CFB10G55RCR**
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,000 lbs. with 2x safety factor*

Finish	Flush Surface
Brushed Aluminum	**CFBS1R8CVRALU**
Black Powder Coat	**CFBS1R8CVRBLK**
Brass Plated	**CFBS1R8CVRBRS**
Bronze Plated	**CFBS1R8CVRBRZ**
Gray Powder Coat	**CFBS1R8CVRGRY**
Satin Nickel Plated	**CFBS1R8CVRNKL**

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

Dimensions in Inches (mm)

Plates for Use in SystemOne 8*/10-Gang Floor Boxes

Plate Style	(1) Decorator Opening	(1) Duplex Opening	Blank	Decorator Opening Plate Including Hubbell ISF6GY	(2) Openings to Accommodate (6) Ortronics TracJack®
Cat. No.	**FB10MPREC**	**FB10MPDUP**	**FB10MPBNK**	**FB10MPKEY**	**FB10MPTRAC**

Plate Style	(2) Decorator	(2) Duplex Openings	(4) Extron® MAAP Modules	(4) Extron® AAP Modules	For (6) 1U Hubbell iStation Modules	Cable Feed Through with Bushing
Cat. No.	**FB10MP2A**	**FB10MP2E**	**FB10MPMAAP**	**FB10MPAAP**	**FB10MP2B**	**FB10MPFT**

Plate Style	(1) Twist-Lock® Opening 1.60 in. Dia. (Uses 2-Gangs)	(1) Simplex Opening 1.40 in. Dia. (Uses 2-Gangs)	(2) Twist-Lock® Opening 1.60 in. Dia. (Uses 3-Gangs)	(2) Simplex Opening 1.40 in. Dia. (Uses 3-Gangs)	(1) Opening for Appliance Receptacle (Uses 3-Gangs)
Cat. No.	**FB10TLA**	**FB10TLX**	**FB10TLB**	**FB10TLY**	**FB10MP3GAPP**

Plate Style	(3) Twist-Lock® Opening 1.60 in. Dia. (Uses 5-Gangs)	(3) Simplex Opening 1.40 in. Dia. (Uses 5-Gangs)	(2) 2-Gang. Meets NEMA Spacing. Ideal for Crestron® DM –TX Product and Power (Uses 5-Gangs)	(4) Single Service Openings Utilizing NEMA Wallplate (Uses 5-Gangs)
Cat. No.	**FB10TLC**	**FB10TLZ**	**FB10MPNEMA2XG**	**FB10MPNEMA4G**

*Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.*

Pre-Wired Device Plates

- Reduces wiring and installation times
- 8 inch stranded leads mounted to the face plate

Description	Type	15A	20A
Duplex, Gray.	Standard	**PWFB10MPCR15GRY**	**PWFB10MPCR20GRY**
	Tamper-Resistant	**PWFB10MPCR15GRYTR**	**PWFB10MPCR20GRYTR**
Decorator, Gray.	Standard	**PWFB10MPDR15GRY**	**PWFB10MPDR20GRY**
	Tamper-Resistant	**PWFB10MPDR15GRYTR**	**PWFB10MPDR20GRYTR**

Accessories

Description	Catalog Number
Replacement divider.	**FB10GDIV**
Replacement spacer around wire-way.	**FB10MPX**
Stackable ring to increase box height and concrete pour depth by ¾ in. increments above top plane of floor box. One ring per ¾ in. depth increase. **Must be installed before concrete pour.**	**CFB8RCVRR075**
Finished floor height adjustment ring - **increase post pour adjustment**; use with round cover series. 0 - ¼ in.	**CFB8RCVRR1***
¼ in. - ½ in.	**CFB8RCVRR2**
½ in. - ¾ in.	**CFB8RCVRR3**
6 and 10-gang rectangular pre-pour ½ in. extension caps (2 pack).	**610GEXTENDCAP2PK**

*Note: *Included with standard **CFB10G30R** series.*

Extron® is a registered trademark of Extron Electronics.
Crestron® is a registered trademark of Crestron Electronics, Inc.
FSR® is a registered trademark of FSR Inc.
TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Dimensions in Inches (mm)

The Next Big Step In Innovation

Locate installation area and connect conduits

Pour concrete

Cut box top level with concrete

Install flooring

Install Adjustable Mounting Cup and level with finished flooring **CFBS1R4CUP**

Wire devices into box

Finish with cover **CFBS1R4CVR**

Installing the Fully Adjustable Mounting Cup and Level with Finished Flooring

During a concrete pour installation a floor box can become buried, other times the thickness of the floor covering can change. We have solved these issues with the integral, patented, adjustable mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to 1½ inches.

Recessed and Furniture Feed Activation is available with all 4 Inch Recessed Floorboxes by selecting the correct adjustable mounting cup for the application.

Recessed Activation

Non-Metallic Adjustable 4 inch Floor Box

Finish with cover **S1R4FFCVR**

Furniture Feed Activation

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Features and Benefits

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

The Hubbell SystemOne Fully Adjustable Recessed floor box is the next step in a long line of quality products delivering power, data and AV for any application. The challenge of a recessed adjustable floor box is the device depth would vary for different floor thicknesses, other times the floor box can become buried in the concrete pour. We have solved these issues with the integral, patented, mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to 1½ inches. This feature is particularly accommodating when the final flooring is unknown at the time concrete is being poured.

Utilizing the same cover design as our 4 Inch Recessed Fire-Rated Poke-Throughs, a common look is now possible anywhere in a building, on grade or above grade.

Non-Metallic
Adjustable 4 inch
Floor Box with Cover

Box Design

- Up to 2 inch conduit ready (Cast iron maximum conduit - 1½ inches)
- Available in PVC, stamped steel, epoxy coated stamped steel or cast iron construction available
- cULus Listed - Scrubwater compliant

Covers

- Durable die-cast aluminum
- 1,000 lbs, static load rated cover
- Available in six architectural finishes
- Low profile flange, 0.15 inch exceeds ADA requirements
- 5.50" diameter flange

Adjustable Mounting Cups

- 3 inch deep access chamber
- Patented post pour adjustable mounting cup with teeth spaced in ⁵⁄₃₂ inch increments allows for up to 1½ inches of upward adjustability from the lowest position, ideal for engineered flooring
- High visibility white cup for making easy connections

Easy Mount Device Plates

- Recessed connections
- Single service or dual service
- Multiple, open architecture mounting plates for power, data and AV

2 Inch Conduit Ready

- To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch threaded conduit hub - CFBHUB2 Sold Separately

Furniture Feed Cover Design

- Compatible with recessed covers
- Seamless one piece cast aluminum design
- (1) ¾ inch threaded hub for power
- (1) 1½ inch threaded hub for low voltage
- 0.15" flange height, 5.50" diameter flange

ScrubShield®
Complies with UL514A

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

Style		Cast Iron	Corrosion-Resistant	Stamped Steel	Non-Metallic
Cast Iron / Non-Metallic	Stamped Steel	**CFBS1R4CFB**	**CFBS1R4SFBCR**	**CFBS1R4SFB**	**CFBS1R4PFB**
Min. Depth of Pour		5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)
Max. Pour Depth		6.00" (152.4)	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Cubic Inch (cm^3) Capacity		72.0 cu. in. (1180 cm^3)	80.0 cu. in. (1311 cm^3)	80.0 cu. in. (1311 cm^3)	67.0 cu. in. (1098 cm^3)
Dimensions – A		6.00" (152.4)	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B		7.60" (193.0)	7.40" (188.0)	7.40" (188.0)	7.85" (199.4)
Dimensions – C		6.58" (167.1)	6.32" (160.6)	6.32" (160.6)	6.45" (163.8)
Dimensions – D		4.60" (116.8)	4.60" (116.8)	4.60" (116.8)	4.60" (116.8)
Power Entries		(2) 1" NPT Thread	(2) ¾", 1", 1¼"	(2) ¾", 1", 1¼"	(2) ½", ¾", 1", 1¼"
Data Entries		(2) 1½" NPT Thread	(2) ¾", 1", 1¼", 2"*	(2) ¾", 1", 1¼", 2"*	(2) 1", 1¼", 1½", 2"
Concrete Cover Included		✓	✓	✓	✓
Closure Plugs Included		✓	–	–	✓
Reducers		–	–	–	✓
CFBS1R4xx Cover Family		✓	✓	✓	✓
Compatible with CFBHUB2 - 2" Conduit Fitting		–	✓	✓	–

Note: UL File Number E92074.
CSA File Number LR18416.
*Requires CFBHUB2 for 2" conduits.

Adjustable Mounting Cup - Required, Purchased Separately

The Adjustable Mounting Cup (AMC) is the heart of the **CFBS1R4** Floor Box product line, and must be ***purchased separately*** from the floor boxes. With teeth spaced in $5/32$ inch increments, the adjustable cup allows for installation ease and flexibility. The AMC is dropped into the floor box collar then rotated clockwise to set the height and is adjustable until the ground plate is installed. Once the ground plate is installed, the cup is locked into place preventing unwanted adjustment of height. Lastly, the device mounting plate and electrical devices are installed.

Description	Recessed Activation Catalog Number	Furniture Feed Activation Catalog Number
Adjustable Mounting Cup Includes white mounting cup, low voltage dividers and ground plate.	**CFBS1R4CUP** Floor boxes purchased independently from cup	**CFBS1R4FFCUP** Floor boxes purchased independently from cup

Dimensions in Inches (mm)

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

Floor Box Covers

The 4 inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch is ADA compliant and suitable for use on any floor finish. All covers are UL 514A listed and meet UL Scrubwater requirements.

Features
- Flange diameter is 5.5 inches
- Flange thickness is 0.15 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs. with 2x safety factor* for a static load applied through a 3 inch mandrel
- Available in six finishes
  - Satin nickel, antique bronze and brushed brass are plated finishes
  - Brushed aluminum is the base material brushed and lacquered
  - Black and gray finishes are powder coat

Device Mounting Plates

Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate
2X2 Sub-plate with (1) decorator device opening and (2) keystone jack openings **S1R4SP2X2STYLE**		(1) Style Line® decorator device opening for power or datacom applications **S1R4SPSTYLE**		2X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2STYLETJ**	
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings **S1R4SP2X2DUPLEX**		(1) Duplex device opening for power or datacom applications **S1R4SPDUPLEX**		2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2DUPLEXTJ**	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12 inch wire leads Includes ⏻ stickers. **S1R4SPQUAD**		(1) 1.60 inch opening for 20 or 30A Twist-Lock® receptacle **S1R4SPTWIST**		(1) 1.40 inch opening for simplex receptacle **S1R4SPSIMPLEX**	

Architectural Cover Finishes

Finish	Recessed Activation	Furniture Feed Activation
Brushed Aluminum	**CFBS1R4CVRALU**	**S1R4FFCVRALU**
Black Powder Coat	**CFBS1R4CVRBLK**	**S1R4FFCVRBLK**
Plated Brushed Brass	**CFBS1R4CVRBRS**	**S1R4FFCVRBRS**
Plated Antique Bronze	**CFBS1R4CVRBRZ**	**S1R4FFCVRBRZ**
Gray Powder Coat Plated	**CFBS1R4CVRGRY**	**S1R4FFCVRGRY**
Plated Satin Nickel	**CFBS1R4CVRNKL**	**S1R4FFCVRNKL**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Accessories and Replacement Parts

Description		Catalog Number
Allows the conduit connections for the low voltage portion of the CFBS1R4SFB and CFBS1R4SFBCR to be increased to 2 inch capacity. The offset design helps to minimize conduit float during the concrete pour.		**CFBHUB2**
Set of conduit reducing adapters for use with the CFBS1R4PFB. Includes two each of the following adapters to reducing to the corresponding conduit diameter.	1, ¾ and ½ inch 1½, 1¼ and 1 inch	**CFBADAPT125** **CFBADAPT200**
Replacement low voltage partition for use in all four CFBS1R4 series floor boxes.		**CFBS1R4DIV**
Replacement ground bracket for use in all four CFBS1R4 series floor boxes.		**CFBS1R4GND**
Replacement pre-pour concrete yellow cover for use with all four of the CFBS1R4 series floor boxes.		**CFBS1R4COVER**
Abandonment plate, black finish, for all CFBS1R4 series floor boxes.		**S1R4CFBADMTBK**
Pre-pour PVC stand increases **CFBS1R4PFB** box height 2.5 in. to 4.0 in. within the concrete pour.		**PFBSTAND**

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Products at a Glance

Flush Floor Box Applications feature unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

SystemOne Flush Floor Box Applications…

Multi-Service Applications

This Hubbell SystemOne sub-plate incorporates a standard Style Line® decorator opening, which can be used for an active multimedia device. In addition, a 20A outlet is supplied for power and two keystone openings for voice/data services.

Multimedia Applications

Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio/video market. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, HDMI and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series AV modules, as well as FSR IPS plates.

4X4 Applications

Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for flush mount Hubbell modular jacks and audio/video Snap Fit connectors. Receptacle wiring permits dual- circuit, as well as isolated ground applications.

Traditional Floor Boxes…

Flush Applications

Hubbell offers a wide variety of traditional solutions including single and multi-gang cast iron, stamped steel and non-metallic floor boxes in both round and rectangular designs. These boxes can be finished with either brass or aluminum covers and flanges to match any office décor. All Hubbell floor box assemblies exceed UL scrubwater exclusion requirements.

Wooden Floor Applications

Hubbell offers round, single service and rectangular, multi-service floor boxes for wooden floor applications. The rectangular boxes are available in one, two and three-gang options and feature removable barriers for maximum capacity while maintaining separation of power and low voltage. A variety of covers and flanges are available in brushed aluminum or brass to meet aesthetic requirements.

Heavy Load Rating

For environments where floor boxes will be subjected to extreme loads, Hubbell offers two different solutions. The Ballroom Box series has a static cover load rating of 20,000 lbs. and can accommodate up to 8 devices. The Convention Center family offers a static cover load rating of 32,000 lbs. and can accommodate up to 100A Pin and Sleeve devices.

Extron® is a registered trademark of Extron Electronics.

SystemOne Flush Floor Box Family

Cast Iron

- Corrosion resistant for on-grade applications
- Oversized 1½" NPT threaded conduit access holes for low voltage
- 1" NPT threaded conduit access holes for power

Steel

- Stamped steel construction
- Economical and light weight for above-grade applications
- Concentric knockouts permit various conduit sizes for both power and data services

Steel AV

- Accommodates high-capacity multimedia applications in a 3½" minimum depth of pour
- Oversized 1½" NPT threaded data hub
- ¾", 1" concentric knockouts for power services

Features

- Easily installed, aesthetic and configurable floor box solution, for open floor plans that require both power and data services

- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar

- The Hubbell SystemOne Universal Cover features ScrubShield® technology that exceeds UL514 scrubwater exclusion requirements

- Convenient cubic inch capacity (cm3) markings on interior of box

- Leveling feet provide before pour adjustability

- Non-metallic riser allows a simple saw cut for adjustment after pour

- Supplied with concrete cover and closure plugs (where applicable)

- Designed to accommodate multi-service applications with the wide offering of Hubbell SystemOne sub-plates

- Hubbell SystemOne Metal Floor Boxes are approved for use in the City of Chicago

- CR versions incorporate fusion bonded epoxy paint for on grade use

Non-Metallic

- Non-corrosive plastic construction
- Oversized 1½" data conduit hub for increased cable capacity and bend radius
- Parallel conduit hubs reduce labor and material cost, facilitating easier wire pull

Features

- Economical, easy to install, in-floor delivery system for open plan spaces

- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar

- Concrete cover, conduit reducers and conduit hub plugs included

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Floor Boxes

SystemOne Flush Covers

Universal Flange and Cover Assembly

Carpet
Tile

- Hinged doors open 180° flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Finishes and colors available:

Aluminum Finish
Brass Finish
Black
Gray
Ivory

Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514 scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA standards for accessible design

SystemOne Flush Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, adds and changes.
See page P-20 for additional Information.

4x4 Sub-Plate
Datacom and Power Sub-Plate
Extron® AAP/MAAP and Power Sub-Plate

Dual Style Line® Decorator Sub-Plate
Twist-Lock® Sub-Plate
Furniture Feed Cover, Carpet

Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series audio/video system integration products
- Accommodates GFCI, USB, surge and standard Style Line® Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

Power Devices and Connectivity

Hubbell-PRO Receptacles
20A USB Receptacles
Hubbell iSTATION

Features

- Choose from Hubbell's industry leading selection of wiring devices for power services
- Hubbell iSTATION connectivity modules integrate with SystemOne to provide comprehensive multimedia solutions

Extron® is a registered trademark of Extron Electronics.

SystemOne Flush Metal and Non-Metallic Floor Boxes and Covers, for Use In Concrete Floors

Style		Cast Iron	Steel	Steel AV	Non-Metallic
Metal	Non-Metallic				
Standard		**S1CFB***	**S1SFB***	**S1SFBAV***	**S1PFB**
Corrosion-Resistant (On-grade)		–	**S1SFBCR**	**S1SFBAVCR**	–
Min. Depth of Pour		3.50" (88.9)	3.50" (88.9)	3.50" (88.9)	3.00" (76.2)
Adjustability		Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity		156.0 cu. in. (2556 cm³)	175.7 cu. in. (2879 cm³)	177.5 cu. in. (2909 cm³)	100 cu. in. (1638 cm³)
Dimensions – A		3.00" (76.2)	3.00" (76.2)	3.00" (76.2)	6.00" (152.4)
Dimensions – B		7.00" (177.8)	6.75" (171.4)	6.75" (171.4)	5.58" (141.7)
Dimensions – C		7.38" (187.3)	7.38" (187.3)	7.38" (187.3)	7.08" (179.8)
Dimensions – D (Inside Diameter)		5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)
Power Entries		(2) 1" NPT Thread	(2) ¾", 1"	(2) ¾", 1"	(2) ¾", 1"
Data Entries		(2) 1½" NPT Thread	(2) ¾", 1", 1¼"	(2) 1½" NPT Thread	(2) ¾", 1", 1¼", 1½"
Concrete Cover Included		✓	✓	✓	✓
Closure Plugs Included		✓	–	✓	✓
Accepts Hubbell SystemOne Universal Cover		✓	✓	✓	✓
Cover Mounting Clips Included		✓	✓	✓	✓
Non-Metallic Low Voltage Divider Included (S1DIV1)		✓	✓	✓	✓

Note: UL File Number E92074.
*S1CFB, S1SFB, S1SFBAV are approved for use in the City of Chicago.

SystemOne Universal Covers

- Cast aluminum construction
- Durable powder coat finish

Color	Carpet	Tile
Aluminum Finish	**S1CFCAL**	**S1TFCAL**
Brass Finish	**S1CFCBRS**	**S1TFCBRS**
Black	**S1CFCBL**	**S1TFCBL**
Gray	**S1CFCGY**	**S1TFCGY**
Ivory	**S1CFCI**	**S1TFCI**

Aluminum Finish   Brass Finish   Black   Gray   Ivory

Floor Box Accessories

Description	Color	Catalog Number
Abandonment Plates Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes.	Black Gray	**S1AP4BL** **S1AP4GY**
Replacement Side by Side Divider Used to isolate compartments in **S1SP**, **S1SPFFx**, **S1SPFFTx**, **S1SPDU**, **S1SPDUSL**, **S1SPDU2IM** and **S1SPSL2IM** sub-plates. Included with all SystemOne Floor Boxes.		**S1DIV1**
1½" Threaded Hub For use with **S1SFBAV** ONLY. Permits feed-through applications. **S1SFBAV** floor box includes one (1) threaded hub.		**S1AVHUB15**
Replacement Universal Cover Mounting Clips Used to mount SystemOne Universal Cover to SystemOne metal and non-metallic floor boxes (**S1CFB, S1SFB, S1SFBAV, S1PFB**).		**S1FBCLIP5PK**
Pre-pour PVC stand increases **S1PFB** box height 2.5 in. to 4.0 in. within the concrete pour.		**PFBSTAND**

Dimensions in Inches (mm)

ScrubShield®
Complies with UL514A & C
c(UL)us

SystemOne Flush Sub-Plates

Description	Catalog Number	Description	Catalog Number	Description	Catalog Number
Style Line® Decorator/GFCI (2) Style Line® decorator openings for power and/or datacom applications. ③ Non-Metallic ③.⁵ Metal	**S1SP**	**Duplex/Duplex** (2) Duplex openings for power and/or datacom applications. ③ Non-Metallic ③.⁵ Metal	**S1SPDU**	**Duplex/Style Line® Decorator** (1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications. ③ Non-Metallic ③.⁵ Metal	**S1SPDUSL**
Hubbell 4 X 4 (4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability. ④ Includes ⏻ stickers. Provided with 15 ft. wire leads Provided with 30 ft. wire leads	**S1SP4X4** **S1SP4X4C** **S1SP4X415** **S1SP4X430**	**Carpet Furniture Feed Cover/Flange*** (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes carpet flange. ③ Non-Metallic ③.⁵ Metal	Aluminum Fin. **S1SPFFAL** Brass Finish **S1SPFFBRS** Black **S1SPFFBL** Gray **S1SPFFGY**	**Tile Furniture Feed Cover/Flange*** (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes tile flange. ③ Non-Metallic ③.⁵ Metal	Aluminum Fin. **S1SPFFTAL** Brass Finish **S1SPFFTBRS** Black **S1SPFFTBL** Gray **S1SPFFTGY**
Single Receptacle + Data Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors. ④	**S1SPTL**	**Hubbell DataCom + Power** (1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. ⑤ Marked with "⏻ Controlled"	**S1SP3IM** **S1SP3IMC**	**Hubbell DataCom + Duplex** (1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. ⑤	**S1SPDU2IM**
Hubbell DataCom + Style Line® Decorator (1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. ⑤	**S1SPSL2IM**	**Hubbell DataCom** 1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. ③.⁵	**S1SP4IM**	**Active Multimedia + Power** Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames. ⑤ Marked with "⏻ Controlled"	**S1SPAMM20** **S1SPAMM20C**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates. ④ Marked with "⏻ Controlled"	**S1SPEXT1** **S1SPEXT1C**	**Extron® or FSR + Power** (1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. ④ Marked with "⏻ Controlled"	**S1SPEXT2** **S1SPEXT2C**	**Extron® or FSR Single-Service** Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. ④.⁵	**S1SPEXT3**
Extron® AAP + Power (1) 20A, 125V receptacle. (2) flush Keystone & recessed opening for (2) single Extron® AAP Series adapter plates. ④ Marked with "⏻ Controlled"	**S1SPEXT4** **S1SPEXT4C**	**Ortronics Series II® + Power** (1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules. ⑤ Marked with "⏻ Controlled"	**S1SPORT** **S1SPORTC**	**Ortronics TracJack® + Power** (1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules. ⑤ Marked with "⏻ Controlled"	**S1SPTRAC** **S1SPTRACC**
Panduit Mini Com® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity. ④ Includes ⏻ stickers.	**S1SP4X4PA** **S1SP4X4PAC**	**SYSTIMAX® 4 X 4** (4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity. ④ Includes ⏻ stickers.	**S1SP4X4SYS** **S1SP4X4SYSC**	**Siemon MAX® + Power** (1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules. ⑤ Marked with "⏻ Controlled"	**S1SPMAX** **S1SPMAXC**

*Note: *Furnished with two screws in flexible metal conduit connectors.*
○ *Signifies minimum depth of concrete pour in inches for Metal Floor Boxes (**S1CFB**, **S1SFB** and **S1SFBAV**) and Non-Metallic Floor Box (**S1PFB**).*

Sub-Plate Accessories

Description	1½" Plug	¾" Plug	Description	Catalog Number
Replacement Threaded Conduit Plugs Used with **S1SPFFx** and **S1SPFFTx** only. Sub-plate is supplied with plugs.			Replacement for **S1SPMAX.** Sub-plate is supplied with data frame. Works with Siemon MAX®.	**S1DFMAX**
			Replacement for **S1SPTRAC** sub-plate. Sub-plate is supplied with data frame. Works with Ortronics TracJack®.	**S1DFTRAC**
Color			Blank Style Line® decorator frame, Black.	**NS620BK**
Aluminum Finish	**S1FP15AL**	**S1FP34AL**	2-Port Style Line® decorator frame, Black.	**ISF2BK**
Brass Finish	**S1FP15BRS**	**S1FP34BRS**	4-Port Style Line® decorator frame, Black.	**ISF4BK**
Black	**S1FP15BL**	**S1FP34BL**	6-Port Style Line® decorator frame, Black.	**ISF6BK**
Gray	**S1FP15GY**	**S1FP34GY**		

Extron® is a registered trademark of Extron Electronics. MAX® is a registered trademark of The Siemon Company. Mini-Com® and Panduit® are registered trademarks of Panduit Corp. SYSTIMAX® is a registered trademark of CommScope, Inc. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Floor Boxes

ScrubShield®
Complies with UL514A & C

SystemOne Flush Configuration Chart			Floor Boxes						4" Core Hole Fire-Rated Poke-Throughs		
		Non-Metallic	Metal								
Approved for use in the City of Chicago. (except S1PFB) Sub-Plates		S1PFB	S1CFB	S1SFB	S1SFBCR	S1SFBAV	S1SFBAVCR	S1PTFIT	S1PT4X4FIT	S1PTAVFIT
S1SP	Style Line® Decorator/GFCI	③	③·⁵	③·⁵	③·⁵	③·⁵	③·⁵	✓+	✗	✓
S1SPDU	Duplex/Duplex	③	③·⁵	③·⁵	③·⁵	③·⁵	③·⁵	✓+	✗	✓
S1SPDUSL	Duplex/Style Line® Decorator	③	③·⁵	③·⁵	③·⁵	③·⁵	③·⁵	✓+	✗	✓
S1SP4X4 S1SP4X4PA S1SP4X4SYS / **S1SP4X4C S1SP4X4PAC S1SP4X4SYSC**	Hubbell 4 X 4 / Panduit Mini-Com® 4 X 4 / SYSTIMAX® 4 X 4 / Marked with "⏻ Controlled"	④	④	④	④	④	④	✗	✓+	✗
S1SPTL	Twist-Lock® Receptacle + Data	④	④	④	④	④	④	✗	✓+	✗
S1SP3IM	Hubbell DataCom + Power	⑤	⑤	⑤	⑤	⑤	⑤	✓	✗	✓+
S1SP4IM	Hubbell DataCom	③·⁵	③·⁵	③·⁵	③·⁵	③·⁵	③·⁵	✓	✗	✓+
S1SPDU2IM	Hubbell DataCom + Duplex	⑤	⑤	⑤	⑤	⑤	⑤	✓	✗	✓+
S1SPSL2IM	Hubbell DataCom + Style Line® Decorator	⑤	⑤	⑤	⑤	⑤	⑤	✓	✗	✓+
S1SPFFxx (Carpet) / **S1SPFFTxx** (Tile)	Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).	③	③·⁵	③·⁵	③·⁵	③·⁵	③·⁵	✓	✗	✓+
S1SPEXT1 / **S1SPEXT1C**	Extron® or FSR + Power / Marked with "⏻ Controlled"	④	④	④	④	④	④	✓	✗	✓+
S1SPEXT2 / **S1SPEXT2C**	Extron® or FSR + Power / Marked with "⏻ Controlled"	④	④	④	④	④	④	✓	✗	✓+
S1SPEXT3	Extron® or FSR Single-Service	④·⁵	④·⁵	④·⁵	④·⁵	④·⁵	④·⁵	✓	✗	✓+
S1SPEXT4 / **S1SPEXT4C**	Extron® or FSR + Power / Marked with "⏻ Controlled"	④	④	④	④	④	④	✓	✗	✓+
S1SPORT / **S1SPORTC**	Ortronics Series II® + Power / Marked with "⏻ Controlled"	⑤	⑤	⑤	⑤	⑤	⑤	✓	✗	✓+
S1SPTRAC / **S1SPTRACC**	Ortronics TracJack® + Power / Marked with "⏻ Controlled"	⑤	⑤	⑤	⑤	⑤	⑤	✓	✗	✓+
S1SPMAX / **S1SPMAXC**	Siemon MAX® + Power / Marked with "⏻ Controlled"	⑤	⑤	⑤	⑤	⑤	⑤	✓	✗	✓+
S1SPAMM20 / **S1SPAMM20C**	Active Multimedia + Flush Keystone + Power / Marked with "⏻ Controlled"	⑤	⑤	⑤	⑤	⑤	⑤	✓	✗	✓+
S1CFCxx (Carpet) / **S1TFCxx** (Tile)	SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).		◯ Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.						✓+ Recommended Floor Fitting	✓ Alternative Floor Fitting	✗ Not Compatible

Extron® is a registered trademark of Extron Electronics. MAX® is a registered trademark of The Siemon Company. Mini-Com® and Panduit® are registered trademarks of Panduit Corp. SYSTIMAX® is a registered trademark of CommScope, Inc. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Floor Boxes

Flush Round Single or Multi-Service Non-Metallic Floor Boxes, for Use In Concrete Floors

Description	Catalog Number
Adapter Required for all applications.	**PFBA1A**
Low Voltage Divider Required for use with catalog number **PFB1** when used in multi-service applications. Accepts Hubbell standard duplex receptacles or 15A Twist-Lock® duplex receptacles (HBL4700 series).	**PFBT1A**
"Y" Adapter ¾ in. "Y" adapter to feed parallel runs of ¾ in. conduit.	**PFBYA1**
Pre-pour PVC stand increases **PFB1** box height 2.5 in. to 4.0 in. within the concrete pour.	**PFBSTAND**

PFB1

Min. Depth of Pour	3.00" (76.2)
Cubic Inch (cm³) Capacity	100 cu. in. (1638.7 cm³) prior to cutting level to floor (19.5 cu. in. (313.2 cm³) per inch of depth).
Dimensions – A	6.00" (152.4)
Dimensions – B	7.08" (179.8)
Dimensions – C	6.69" (169.9)
Dimensions – D	5.38" (136.5)
Hubs	(2) 1" and (2) ¾" Conduit Hubs
Concrete Cover Included	✓
Closure/Reducer Plugs	(2) 1" plugs close off 1" hubs or reduce 1" to ¾" (2) ¾" plugs close off ¾" hubs or reduce ¾" to ½"

Note: UL File Number E92074. CSA File Number LR18416.

Flush Round Covers and Flanges

Multi-Service Cover and Flange Assemblies Includes floor box cover with duplex flaps, (2) ½ in. dia. low voltage feed through holes and matching carpet flange. 6.25 in. Diameter

SF39253A	PFBCBRA	PFBCBLA	PFBCGYA	PFBCIA
Brass	Brown Non-Metallic	Black Non-Metallic	Gray Non-Metallic	Ivory Non-Metallic

Metal Carpet Flange
Use with single service covers for carpet applications. 6.25 in. Diameter

S3082	SA3082
Brass	Brushed Aluminum

Adapter Ring
Use with single service covers for tile applications.

S5016	SA5016
Brass	Aluminum

Multi-Service Replacement Covers

Material	Metallic	Color	Non-metallic
Solid Brass	BRS2RCA	Black Brown Gray Ivory	PFBRCBLA PFBRCBRA PFBRCGYA PFBRCIA

Single Service Covers

Brass Aluminum 3.88 in. Dia.

S3925 SA3925	S3725 SA3725	S2525 SA2525	S2725 SA2725	S2925 SA2925	S3525 —	S3325 —
Duplex Flap	Duplex Screw	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Receptacle (Terrazzo Floor)

One Piece Brass Cover and Carpet Flange

Brass Aluminum 6.25 in. Dia.

Note: Adapter ring S5016 is required for mounting SF series covers onto PFBA1A.

SF3925 SFA3925	SF2525 —	SF2725 —	SF2925 —
Duplex Flap	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

Dimensions in Inches (mm)

Furniture Feed Plate
Unpainted plate with 1 in. threaded opening.

PFBP1

Steel

Flush Round Single Service Metal Floor Boxes, for Use In Concrete Floors

Style	Cast Iron					Stamped Steel	
Collar Material: Brass Aluminum	**B2536** **BA2536** **B253641** **BA253641**	**B2503** **BA2503**	**B2506** **BA2506** **B2506415** **BA2506415**	**B2537** **BA2537**		**B2527** **BA2527**	**B2529** **BA2529**
Min. Depth of Pour	3.25" (82.6)	3.75" (95.3)	4.75" (120.7)	3.00" (76.2)		4.00" (101.6)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully		Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	–	–	–		1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.38" (9.5)	.63" (15.9)	.63" (15.9)	.38" (9.5)		.38" (9.5)	.38" (9.5)
Cubic Inch (cm^3) Capacity	33.0 cu. in. (540.7 cm^3)	36.0 cu. in. (590.0 cm^3)	50.8 cu. in. (832.5 cm^3)	30.0 cu. in. (491.6 cm^3)		54.0 cu. in. (884.9 cm^3)	37.3 cu. in. (611.2 cm^3)
Dimensions – A	3.06" (77.7)	3.75" (95.3)	4.75" (120.7)	2.87" (72.9)		3.88" (98.6)	2.91" (73.9)
Dimensions – B	4.84" (122.9)	5.00" (127.0)	5.00" (127.0)	4.84" (122.9)		6.00" (152.4)	6.00" (152.4)
Dimensions – C	4.84" (122.9)	4.63" (117.6)	4.66" (118.4)	4.84" (122.9)		4.81" (122.2)	4.81" (122.2)
Dimensions – D	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)		4.19" (106.4)	4.19" (106.4)
Threaded Hubs	(4) ¾" (4) 1"	(4) ¾"	(4) 1¼" (4) 1½"	(4) ¾"		–	–
Knockouts – Sides	–	–	–	–		(1) 1" & (1) ¾"	(2) ½" & (1) ¾"
Knockouts – Ends	–	–	–	–		(1) 1¼" & (1) ½"	(1) ½" & (1) ¾"
Knockouts – Bottom	–	–	–	–		(3) ½" & (2) ¾"	(3) ½" & (2) ¾"
Concrete Cover Included	✓	✓	✓	✓		✓	✓
Closure Plugs Included	✓	✓	✓	✓		–	–

Note: UL File Number E31999.
CSA File Number LR18416.
Suitable for single service applications only.

Carpet Flanges

5.25 in. Dia.	**S3182**	**SA3182**	**S3079**	6.25 in. Dia.	**S3082**	**SA3082**
	Brass	Brushed Aluminum	Clear Polycarbonate		Brass	Brushed Aluminum

Single Service Covers

Brass Aluminum 3.88 in. Dia.	**S3925** **SA3925**	**S3725** **SA3725**	**S2525** **SA2525**	**S2725** **SA2725**	**S2925** **SA2925**	**S3525** **—**	**S3325** **—**
	Duplex Flap	Duplex Screw	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Receptacle (Terrazzo Floor)

One Piece Brass Cover and Carpet Flange

Brass Aluminum 6.25 in. Dia.	**SF3925** **SFA3925**	**SF2525** **—**	**SF2725** **—**	**SF2925** **—**
	Duplex Flap	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

Dimensions in Inches (mm)

Flush Rectangular Non-Metallic Floor Boxes with Non-Metallic Covers

Style	1-Gang	2-Gang	3-Gang
	PFBRG1*	**PFBRG2**	**PFBRG3**
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	14.3 cu. in. (234.3 cm³) per 1" depth	14.3 cu. in. (234.3 cm³) per 1" depth	14.3 cu. in. (234.3 cm³) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.80" (172.7)	10.04" (255.0)
Dimensions – C	5.47" (138.9)	5.47" (138.9)	5.47" (138.9)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.41" (137.4)	8.56" (221.4)	11.75" (298.4)
Hubs	(4) 1¼"	(6) 1¼"	(8) 1¼"
Reducers	(4) 1" to ¾" and (4) 1¼" to 1"	(6) 1" to ¾" and (6) 1¼" to 1"	(8) 1" to ¾" and (8) 1¼" to 1"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Removable LV Barrier	–	✓	✓

Note: UL File Number E92074.
   *Suitable for single service applications only.

Flush Rectangular Non-Metallic Covers and Flanges*

Required Components for Carpet Applications

Carpet Flanges				Cover with Duplex and Style Line® decorator inserts included
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Gang 4.15" x 2.97"
Black	**PFBRFBL1**	**PFBRFBL2**	**PFBRFBL3**	**PFBR826BLA**
Brown	**PFBRFBR1**	**PFBRFBR2**	**PFBRFBR3**	**PFBR826BRA**
Gray	**PFBRFGY1**	**PFBRFGY2**	**PFBRFGY3**	**PFBR826GYA**
Ivory	**PFBRFI1**	**PFBRFI2**	**PFBRFI3**	**PFBR826IA**

Cover   Duplex   Style Line®
               Insert   Decorator Insert

Required Components for Tile Applications

Mounting Collar	Cover Frame	Cover with Duplex and Style Line® decorator inserts included
One Required per Gang	One Required per Gang Dim. 4.47" x 3.25"	One Required per Gang 4.15" x 2.97"
PFBRMC	**PFBRFRA**	**PFBR826GYA**

Cover   Duplex   Style Line®
               Insert   Decorator Insert

Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified.

   Dimensions in Inches (mm)

ScrubShield®
Complies with UL514A & C

Flush Rectangular Non-Metallic Floor Boxes with Metal Covers

Style	1-Gang	2-Gang	3-Gang
	PFBRG1*	**PFBRG2**	**PFBRG3**
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	14.3 cu. in. (234.3 cm³) per 1" depth	14.3 cu. in. (234.3 cm³) per 1" depth	14.3 cu. in. (234.3 cm³) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.80" (172.7)	10.04" (255.0)
Dimensions – C	5.47" (138.9)	5.47" (138.9)	5.47" (138.9)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.41" (137.4)	8.56" (221.4)	11.75" (298.4)
Hubs	(4) 1¼"	(6) 1¼"	(8) 1¼"
Reducers	(4) 1" to ¾" and (4) 1¼" to 1"	(6) 1" to ¾" and (6) 1¼" to 1"	(8) 1" to ¾" and (8) 1¼" to 1"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Removable LV Barrier	–	✓	✓

Note: UL File Number E92074.
*Suitable for single service applications only.

Flush Rectangular Metal Covers and Flanges

Required Components for Carpet and Tile Applications

Adapter Collar (One required per gang)		Adapter Frame with Grounding Lug (One required per gang) Dim. 4.36" x 3.20"	
Gray	**PFBRAC**	Brass	**S5017G**
		Aluminum	**SA5017G**

Flush Rectangular Metal Covers and Flanges

Required Components for Carpet and Tile Applications

Adapter Collar (One required per gang)	
Gray	**PFBRAC**

Carpet Flanges (Not Required for Tile Applications)

Tapered Flange

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"
Brass	**SB3083**	**SB3084**	**SB3085**
Aluminum	**SA3083**	**SA3084**	**SA3085**

Rectangular Flanges (Required)

1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"
SB3083W	**SB3084W**	**SB3085W**
SA3083W	**SA3084W**	**SA3085W**

Covers – One Required per Gang

Brass Aluminum Dimensions 4.15" x 2.99"	**S3825** **SA3825**	**S3625** **SA3625**	**S3826** **SA3826**	**S2425** **SA2425**	**S2625** **SA2625**	**S2825** **–**	**S3813** **SA3813**
	Duplex Flap	Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	Blank

Dimensions in Inches (mm)

Floor Boxes

Flush Rectangular Cast Iron Floor Boxes, for Use In Concrete Floors

Style		Cast Iron						
		1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	2-Gang Shallow	3-Gang Shallow
Collar Material: Brass / Aluminum		B2436* B243641* / BA2436* BA243641*	B4233 B423341 / BA4233 BA423341	B4333 B433361 / BA4333 BA433361	B2437* / BA2437*	B2414* / BA2414*	B4214 / BA4214	B4314 / BA4314
Min. Depth of Pour		3.25" (82.5)	3.50" (95.3)	3.50" (95.3)	3.00" (76.2)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Adjustability		Fully	Fully	Fully	Fully	Semi	Semi	Semi
Before Pour External Height Adjustment		1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment		.38" (9.5)	.63" (15.9)	.63" (15.9)	.38" (9.5)	–	–	–
Cubic Inch (cm³) Capacity per Gang		33.0 cu. in. (540.7 cm³)	36.5 cu. in. (598.1 cm³)	34.8 cu. in. (570.3 cm³)	30.0 cu. in. (491.7 cm³)	16.0 cu. in. (262.2 cm³)	16.0 cu. in. (262.2 cm³)	16.0 cu. in. (262.2 cm³)
Dimensions – A		3.15" (80.0)	3.38" (85.9)	3.38" (85.9)	2.90" (73.7)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Dimensions – B		4.69" (119.1)	4.84" (122.9)	4.90" (122.5)	4.69" (119.1)	5.46" (138.7)	5.46" (138.7)	5.46" (138.7)
Dimensions – C		4.69" (119.1)	8.06" (204.7)	11.41" (289.8)	4.69" (119.1)	4.19" (106.4)	7.49" (190.2)	10.7" (271.8)
Dimensions – D		4.36" (110.7)	4.36" (110.7)	4.36" (110.7)	4.36" (110.8)	4.36" (110.8)	4.36" (110.8)	4.36" (110.8)
Dimensions – E		3.20" (81.3)	6.42" (163.1)	9.64" (244.9)	3.20" (81.3)	3.20" (81.3)	6.38" (162.1)	9.56" (242.8)
Threaded Hubs		(4) ¾" (4) 1" & (2) ¾"	(6) ¾" (4) 1" & (2) ¾"	(8) ¾" (6) 1" & (2) ¾"	(4) ¾"	(4) ¾"	(4) ¾"	(6) ¾"
Concrete Cover Included		✓	✓	✓	✓	✓	✓	✓
Closure Plugs Included		✓	✓	✓	✓	✓	✓	✓
Removable LV Barrier		–	✓	✓	–	–	–	–

Note: UL File Number E92074.
CSA File Number LR18416.
*Suitable for single service applications only.

Carpet Flanges

Tapered Flange

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"
Brass / Aluminum / Clear Polycarbonate	SB3083 / SA3083 / S3083	SB3084 / SA3084 / S3084	SB3085 / SA3085 / S3085

Covers – One Required per Gang

Brass / Aluminum Dimensions 4.15" x 2.99"	S3825 / SA3825	S3625 / SA3625	S3826 / SA3826	S2425 / SA2425	S2625 / SA2625	S2825 / —	S3813 / SA3813
	Duplex Flap	Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	Blank

Dimensions in Inches (mm)

Flush Rectangular Stamped Steel Floor Boxes, for Use In Concrete Floors

Style	Stamped Steel							
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow	1-Gang Deep	1-Gang Shallow
Collar Material: Brass Aluminum	**B2431*** **BA2431***	**B2432** **BA2432**	**B2433** **BA2433**	**B2421*** **BA2421***	**B2422** **BA2422**	**B2423** **BA2423**	**B2427*** **BA2427***	**B2429*** **BA2429***
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.75" (69.9)	2.75" (69.9)	2.75" (69.9)	4.00" (101.6)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.38" (9.5)	.38" (9.5)
Cubic Inch (cm^3) Capacity per Gang	60.0 cu. in. (983.2 cm^3)	52.8 cu. in. (865.2 cm^3)	50.8 cu. in. (832.5 cm^3)	39.5 cu. in. (647.3 cm^3)	35.0 cu. in. (573.5 cm^3)	34.0 cu. in. (557.2 cm^3)	54.0 cu. in. (884.9 cm^3)	37.3 cu. in. (611.2 cm^3)
Dimensions – A	3.72" (94.5)	3.72" (94.5)	3.72" (94.5)	2.74" (69.6)	2.74" (69.6)	2.74" (69.6)	3.90" (99.1)	2.81" (71.4)
Dimensions – B	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	6.00" (152.4)	6.00" (152.4)
Dimensions – C	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	4.81" (122.2)	4.81" (122.2)
Dimensions – D	4.36" (110.7)	4.36" (110.7)	4.36" (110.7)	4.36" (110.7)	4.36" (110.7)	4.36" (110.7)	4.36" (110.7)	4.36" (110.7)
Dimensions – E	3.20" (81.3)	6.44" (163.6)	9.67" (245.6)	3.20" (81.3)	6.44" (163.6)	9.67" (245.6)	3.20" (81.3)	3.20" (81.3)
Knockouts – Sides	(1) ¾",1",1¼"	(2) ¾",1",1¼"	(3) ¾",1",1¼"	(2) ½", (1) ¾"	(4) ½", (2) ¾"	(6) ½", (6) ¾"	(1) ½", (1) 1¼"	(2) ½", (1) ¾"
Knockouts – Ends	(1) ¾",1",1¼"	(1) ¾",1",1¼"	(1) ¾",1",1¼"	(1) ½", (1) ¾"	(2) ½", (2) ¾"	(2) ½", (2) ¾"	(1) ¾", (1) 1"	(1) ½", (1) ¾"
Knockouts – Bottom	(2) ¾",1",1¼"	(4) ¾",1",1¼"	(6) ¾",1",1¼"	(2) ¾",1",1¼"	(4) ¾",1",1¼"	(6) ¾",1",1¼"	(3) ½", (2) ¾"	(3) ½", (2) ¾"
Concrete Cover Included	✓	✓	✓	✓	✓	✓	✓	✓
Closure Plugs Included	–	–	–	–	–	–	–	–
Removable LV Barrier	–	✓	✓	–	✓	✓	–	–

Note: UL File Number E92074.
CSA File Number LR18416.
*Suitable for single service applications only.

Carpet Flanges

Tapered Flange

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"
Brass Aluminum Clear Polycarbonate	**SB3083** **SA3083** **S3083**	**SB3084** **SA3084** **S3084**	**SB3085** **SA3085** **S3085**

Covers – One Required per Gang

Brass Aluminum Dimensions 4.15" x 2.99"	**S3825** **SA3825**	**S3625** **SA3625**	**S3826** **SA3826**	**S2425** **SA2425**	**S2625** **SA2625**	**S2825** **—**	**S3813** **SA3813**
	Duplex Flap	Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	Blank

Dimensions in Inches (mm)

Flush Floor Boxes for Wooden Floors

Style			Rectangular Stamped Steel			Round Cast Iron	
			1-Gang	2-Gang	3-Gang	1-Gang	1-Gang
	Collar Material Brass		**B2481***	**B2482**	**B2483**	**B2588***	**B2588275***
Adjustability			Semi	Semi	Semi	Non	Non
Cubic Inch (cm³) Capacity per Gang			42.0 cu. in. (688.3 cm³)	42.5 cu. in. (696.5 cm³)	42.5 cu. in. (696.5 cm³)	18.5 cu. in. (303.2 cm³)	18.5 cu. in. (303.2 cm³)
Dimensions – A			3.13" (79.5)	3.13" (79.5)	3.13" (79.5)	3.65" (92.7)	3.65" (92.7)
Dimensions – B			4.50" (114.3)	4.50" (114.3)	4.50" (114.3)	3.22" (81.8)	3.22" (81.8)
Dimensions – C			3.20" (81.3)	6.42" (163.1)	9.64" (244.9)	4.09" (103.9)	4.09" (103.9)
Threaded Hubs			–	–	–	Bottom (2) ½"	Sides (2) ¾" Bottom (2) ½"
Knockouts – Ends			(1) ½", ¾", 1"	(2) ½", ¾", 1"	(3) ½", ¾", 1"	–	–
Knockouts – Sides			–	–	–	–	–
Knockouts – Bottom			(1) ½", ¾", 1", 1¼"	(2) ½", ¾", 1", 1¼"	(3) ½", ¾", 1", 1¼"	–	–
Debris Cover Included			✓	✓	✓	–	–
Closure Plugs Included			–	–	–	✓	✓
Removable LV Barrier			–	✓	✓	–	–

Note: UL File Number E31999. CSA File Number LR18416.
  *Suitable for single service applications only.

Rectangular Flanges (Required)

Brass Aluminum	**SB3083W** **SA3083W**	**SB3084W** **SA3084W**	**SB3085W** **SA3085W**
No. of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"

Round Flanges

S3182 **SA3182**	**S3082** **SA3082**
5.25" Dia.	6.25" Dia.

Round Covers (3.88" Dia.)

S3925 **SA3925**	**S3725** **SA3725**	**S2525** **SA2525**
Duplex Flap	Duplex Screw	2⅛" x ¾" Comb.

Covers – One Required per Gang

Brass Aluminum Dimensions 4.15" x 2.99"	**S3825** **SA3825**	**S3625** **SA3625**	**S3826** **SA3826**	**S2425** **SA2425**
	Duplex Flap	Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination
Brass Aluminum Dimensions 4.15" x 2.99"	**S2625** **SA2625**	**S2825** –	**S3425** –	**S3813** **SA3813**
	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank

Round Covers

Brass Aluminum 3.88" Dia.	**S2725** **SA2725**	**S2925** **SA2925**	**S3525** –	**S3325** –
	2⅛" x 1" Comb.	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Rec. (Terrazzo Floor)

One Piece Brass Cover and Carpet Flange

Brass Aluminum 6.25" Dia.	**SF3925** **SFA3925**	**SF2525** –	**SF2725** –	**SF2925** –
	Duplex Flap	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

Dimensions in Inches (mm)

ScrubShield®
Complies with UL514A

Floor Box Cover to Receptacle Compatibility Chart

Cover Style		Terrazzo (2⅛")	2⅜"	2⅛"	Duplex Flap	Duplex Plug	Style Line®
Round		S3325	S3525	S(A)2925 S(A)2725 S(A)2525	S(A)3925	S(A)3725	
Rectangular			S3425	S2825 S(A)2625 S(A)2425	S(A)3825	S(A)3625	S(A)3826
Rating	NEMA Config.						
2P, 3W 15A, 125V	5-15R	HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	HBL2152 IG2152 GFRST15 HBL5260SA HBL5262SA USB15
2P,3W 15A, 125V	L5-15R	HBL4710 IG4710	HBL4710 IG4710	HBL4710 IG4710	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	
2P, 3W 15A, 250V	6-15R	HBL5661 IG5661	HBL5661 IG5661	HBL5661 IG5661	HBL5652 HBL5662 IG5662	HBL5652 HBL5662 IG5662	
2P, 3W 15A, 250V	L6-15R	HBL4560 IG4560	HBL4560 IG4560	HBL4560 IG4560	HBL4550 IG4550A	HBL4550 IG4550A	
2P, 3W 15A, 277V	7-15R				HBL5302	HBL5302	
2P, 3W 15A, 277V	L7-15R	HBL4760	HBL4760	HBL4760	HBL4750	HBL4750	
2P, 3W 20A, 125V	5-20R	HBL5361 IG5361	HBL5361 IG5361	HBL5361 IG5361	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	HBL2162 IG2162 GFRST20 HBL5360SA HBL5362SA USB20
2P, 3W 20A, 125V	5-20R				HBL5392	HBL5392	
2P, 3W 20A, 125V	L5-20R	HBL2310 IG2310	HBL2310 IG2310	HBL2310 IG2310			
2P, 3W 20A, 250V	6-20R	HBL5461 IG5461	HBL5461 IG5461	HBL5461 IG5461	HBL5462 IG5462	HBL5462 IG5462	
2P, 3W 20A, 250V	L6-20R	HBL2320 IG2320	HBL2320 IG2320	HBL2320 IG2320			
2P, 3W 30A, 125V	L5-30R	HBL2610 IG2610	HBL2610 IG2610	HBL2610 IG2610			
2P, 3W 30A, 250V	L6-30R	HBL2620 IG2620	HBL2620 IG2620	HBL2620 IG2620			
3P, 4W, 20A 125/250V	14-20R	HBL8410	HBL8410	HBL8410			
	L14-20R	HBL2410 IG2410	HBL2410 IG2410	HBL2410 IG2410			
3P, 4W, 20A 3Ø 250V	15-20R	HBL8420	HBL8420	HBL8420			
	L15-20R	HBL2420 IG2420	HBL2420 IG2420	HBL2420 IG2420			
3P, 4W, 30A 125/250V	L14-30R	HBL2710 IG2710	HBL2710 IG2710	HBL2710 IG2710			
3P, 4W, 30A 3Ø 250V	L15-30R	HBL2720 IG2720	HBL2720 IG2720	HBL2720 IG2720			
3P, 4W, 30A 3Ø 600V	L17-30R	HBL2740	HBL2740	HBL2740			
4P, 5W, 20A 3ØY 120/208V	L21-20R	HBL2510 IG2510	HBL2510 IG2510	HBL2510 IG2510			
4P, 5W, 20A 3ØY 347/600V	L23-20R	HBL2530	HBL2530	HBL2530			
4P, 5W, 30A 3ØY 120/208V	L21-30R	HBL2810 IG2810	HBL2810 IG2810	HBL2810 IG2810			
4P, 5W, 30A 3ØY 347/600V	L23-30R	HBL2830	HBL2830	HBL2830			

Accessories

Protective Ring for 2⅛"
Threaded Covers

S3061

Problem Solvers and Replacement Components
Protective Ring for 2⅛ Inch Threaded Covers

Description	Catalog Number
Provides mechanical and wet mop protection for plugs and receptacles (brass).	**S3061**

Theater Seating Floor Box

F3185

Theater Seating Floor Box

Description	Catalog Number
The theater seating floor box is nonadjustable and provides a ¾ in. threaded hub for conduit connection to theater aisle lights. It permits opening of the enclosure for wiring without disturbing above floor connections. Other features include a cast iron box with a corrosion-resistant finish and a blank steel cover. Knockouts: (¾ in. surface, ¾ in. sides, ¾ in. bottom) 18.80 cu. in. (380 cubic cm).	**F3185**

Adjustable Tops (Brass)
Brass Outlet Fittings for Conduit Systems

Future requirements for floor outlets may be accommodated by systematically studding the floor with these fittings, all radiating from one or more floor boxes, from which any changes or additions may be subsequently made by the pulling of wires from box to the outlet. Adjustment tops are male connections to be mounted on elbow or tee fittings. They provide a pre-pour adjustment and an available connection for above-floor service heads.

Adjustable Tops (Brass)

F1339   **F1539**

Description	A	B	Catalog Number
¾ in. threaded conduit size (male).	1.25" (31.8)	1.44" (36.6)	**F1339**
1 in. threaded conduit size (male).	1.31" (33.3)	1.75" (44.5)	**F1539**

Note: Adjustment: ¾ in. and 1 in. fittings permit ½ in. vertical adjustment.

Adjustable Tops

Coupling (Brass)

Couplings are utilized for straight conduit connections when a floor box is not required. The conduit stub is brought to within approximately 1¼ in. of the planned surface, and the coupling is mounted and adjusted prior to the concrete pour. Standard service heads may be mounted to the couplings as required.

Description	A	B	Catalog Number
¾ in. threaded conduit size (female).	1.44" (36.6)	1.25" (31.8)	**F1340**

Coupling (Brass)

F1340

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Floor Boxes

Accessories

Experiencing a problem? Let Hubbell accessories help solve it. Hubbell stacking (adjustable) collars are the answer if the box is set too low. Need a replacement? Choose from a full line of replacement covers and fittings. Hubbell accessories also help you with the protection you need for plugs and receptacles.

Cover Frame

Adjustable Collar

Adapter

Box

Problem Solvers and Replacement Components
Stacking (Adjustable) Collars and Frames

Designed to be used if floor box is set too low beneath the floor surface or the adjustable collar and/or adapter on the box is damaged.

If the box number is...	Extension Value	Use Collar Number
B2429, B2427, B2436 or B2437	.81" (20.5)	**C2400***
B2503, B2506	1.06" (26.9)	**C2504***
B2529, B2536, B2527 or B2537	1.06" (26.9)	**C2500***
B4233	1.03" (26.2)	**C4200***
B4333	1.03" (26.2)	**C4300***

*Note: *Only available as sets (collars and adapters). In cases where the adapter on the floor box is not damaged, and only stacking is required, discard the adapter and use only the collar. The adjustable collars listed above can be stacked as required to reach the floor surface. Longer screws will be required if more than one collar is stacked (screws not provided). These screws are commercially available. Flat head #12-24 UNC machine screw x (approx. length). Minor Upward Adjustments: Round or Rectangular cover frames (trim rings) may be stacked if the floor box is only slightly recessed below the floor surface.*

Replacement Components for Floor Box
Covers and Fittings

Replacement Adjustable Collar

C2400   **C4200**

Box Type	Dimension	Extension Value	Catalog Number Brass	Catalog Number Aluminum
Round	4.19" (106.4) diameter	.31" (7.9)	**S5016**	**SA5016**
Rectangular	3.19" (81.0) x 4.38" (111.2)	.31" (7.9)	**S5017A**	**SA5017A**
Rectangular, grounding	3.19" (81.0) x 4.38" (111.2)	.31" (7.9)	**S5017G**	**SA5017G**

Replacement Cover Frames

S5016   **S5017A**

S5017G

Crown Plugs

Description	Used in the following covers	Catalog Number Brass	Catalog Number Aluminum
¾" thread size.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	**S5012**	**SA5012**
1" thread size.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	**S5013**	**SA5013**

Crown Plugs

S5012   **S5013**

Flush Cap Rings

Description	Used in the following covers	Catalog Number Brass	Catalog Number Aluminum
2⅛" threaded plug with ¾" thread size opening.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	**S5010**	**SA5010**
2⅛" threaded plug with 1" thread size opening.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	**S5025**	**SA5025**

Flush Cap Rings

S5010

Flush Plugs

Description	Used in the following covers	Catalog Number Brass	Catalog Number Aluminum
¾" I.P.S. thread size.	F1339, F1340	**S5002**	–
1" I.P.S. thread size.	F1539	**S5003**	–
1½" fine thread size.	S3725, SA3725, S3625, SA3625	**S5007**	**SA5007**
2⅛" fine thread size.	S2925, SA2925, S88, S2930, S2955, SF2925, S2825	**S5020**	**SA5020**
2⅜" fine thread size.	S3525, S3425	**S5030**	–

Flush Plugs

S5007

Dimensions in Inches (mm)

Fire-Classified Floor Box Solutions

Hubbell's fire-classified floor boxes are an excellent solution when there is not enough capacity in a poke through and the decking must be penetrated for electrical installations. Available in seven or eleven gang versions, our fire rated kits are compatible with our standard CFB7G6 and CFB11G6 series floor boxes.

Fire-Classified Floor Box Kits

- Preserves 2 or 3 hour fire classified floor rating
- Approved for installations using either light or normal weight concrete
- UL 514 and UL 263 Compliant
- Variety of ADA compliant cover choices for most floor types
- Four 1½ inch box bottom entry conduits

Fire-Resistant Floor Box Kit Includes

- Floor pan, conduit assemblies, hardware, leveling feet and manual

Floor box ordered separately

Installation

- For Concrete pours from 3¼ in. up to 5½ in. above upper most portion of decking
- Units can be mounted 2 ft. on center
- Fastens to deck with TEK screws or welding

CFB7G6 Floor Box above
CFB7G6FRK Installed in decking

CFB Series Cover / CFB Series Floor Box / Concrete / 6.00" Max / Steel Deck / CFB Series Pan / 1.5" Female EMT Coupling / 1/8" min.

CFB7G6/CFB11G6 Series

CFB7G6FRK
Kit with **CFB7G6**

Fire-Classified Kit for 7-Gang Floor Box
Floor box, cover and mounting plates NOT included.

Description		Catalog Number
Bottom feed conduits.	4	**CFB7G6FRK**
Bottom feed conduit size.	1½ in	
Pan dimensions.	17³/₁₆ L x 17³/₁₆ W x 6½ H in.	
Minimum depth of pour above deck roof.	3¼ in.	
Maximum depth of pour above deck roof.	5½ in.	
Adjustment screw length, four per kit.	6 in.	
Required floor box (not included).	**CFB7G6**	

CFB11G6FRK
Kit with **CFB11G6**

Fire-Classified Kit for 11-Gang Floor Box
Floor box, cover and mounting plates NOT included.

Description		Catalog Number
Bottom feed conduits.	4	**CFB11G6FRK**
Bottom feed conduit size.	1½ in.	
Pan dimensions.	20¹¹/₁₆ L x 17³/₁₆ W x 6½ H in.	
Minimum depth of pour above deck roof.	3¼ in.	
Maximum depth of pour above deck roof.	5½ in.	
Adjustment screw length, four per kit.	6 in.	
Required floor box (not included).	**CFB11G6**	

Dimensions in Inches (mm)

Recessed 7- and 11-Gang Concrete Floor Boxes

Style	CFB7G Series		CFB11G Series	
	7-Gang		11-Gang	
	CFB7G4	**CFB7G6**	**CFB11G4**	**CFB11G6**
Min. Depth of Pour	4.08" (103.5)	6.08" (154.3)	4.08" (103.5)	6.08" (154.3)
Adjustability	Before Pour	Before Pour	Before Pour	Before Pour
Dimensions: A B C	4.08" (103.5) 10.0" (254.0) 12.2" (309.9)	6.08" (154.3) 10.0" (254.0) 12.2" (309.9)	4.08" (103.5) 13.5" (342.9) 12.2" (309.9)	6.08" (154.3) 13.5" (342.9) 12.2" (309.9)
KO Trade Size: Sides Back Front Bottom	(4) 1", 1¼" (1) 1", 1¼", 1½", (1) 2" (2) 1", 1¼", 1½" (4) 1", 1¼", 1½"	(4) 1", 1¼", 1½" (1) 1", 1¼", 1½", (1) 2" (2) 1", 1¼", 1½" (4) 1", 1¼", 1½"	(4) 1", 1¼" (2) 1", 1¼", 1½", (1) 2" (2) 1", 1¼", 1½", (2) ¾", 1" (5) 1", 1¼", 1½", (2) ¾", 1"	(4) 1", 1¼", 1½" (2) 1", 1¼", 1½", (1) 2" (2) 1", 1¼", 1½", (2) ¾", 1" (5) 1", 1¼", 1½", (2) ¾", 1"
Side View Depth behind mounting plate	X - 1.01" Y - 2.41" Z - 3.51"	X - 2.37" Y - 3.77" Z - 3.65"	X - 1.02" Y - 2.42" Z - 3.50"	X - 2.37" Y - 3.81" Z - 3.72"
Accepts industry standard size wallplates (sold separately)	(1) 1-Gang (1) 2-Gang (1) 4-Gang	(1) 1-Gang (1) 2-Gang (1) 4-Gang	(2) 1-Gang (1) 3-Gang (1) 6-Gang	(1) 2-Gang (1) 3-Gang (1) 6-Gang
Interior Configuration	1-Gang 2-Gang 4-Gang		1-Gang 3-Gang 6-Gang	

Note: UL File Number E31999. CSA File Number LR18416.

Accessories

On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4

Pour Pan Dimensions:
15.75 in. sq.
4 in. depth

Floor Box Covers

CFB7G Series				CFB11G Series			
Brass	Aluminum	Black	Stainless Steel	Brass	Aluminum	Black	Stainless Steel
Flange and cover; Beveled edge for carpet, ¼" Edging				Flange and cover; Beveled edge for carpet, ¼" Edging			
CFB7CVRBRS	CFB7CVRALU	CFB7CVRBLK	–	CFB11CVRBRS	CFB11CVRALU	CFB11CVRBLK	–
Flange and cover; Square edge for tile, ½" Edging				Flange and cover; Square edge for tile, ½" Edging			
CFB7TBRS	CFB7TALU	–	–	CFB11TBRS	CFB11TALU	–	–
Flange and cover; No Edging*				Flange and cover; No Edging*			
–	–	CFB7CVRCBLK	CFB7CVRCSS	–	–	CFB11CVRCBLK	CFB11CVRCSS

Note: Covers provide a recessed area, allowing floor covering to be inserted.
  *Not UL Listed or CSA Certified.

Dimensions in Inches (mm)

Recessed 8-Gang Ballroom Series Floor Boxes

Style	CFB8FC Series	
	8-Gang	8-Gang
	CFB8FC1	**CFB8FC2**
Application	Carpet	Tile, Finished Concrete
Min. Depth of Pour	6.95" (176.5)	7.15" (181.6)
Adjustability	Before Pour	Before Pour
Dimensions: A B C	6.95" (176.5) 15.00" (381.0) 13.00" (330.2)	7.15" (181.6) 14.75" (374.7) 12.75" (323.9)
KO Trade Size: Sides Front & Back Bottom	(4) 1", 1¼", 1½" (4) 1", 1¼", 1½" (4) 1", 1¼", 1½"	(4) 1", 1¼", 1½" (4) 1", 1¼", 1½" (4) 1", 1¼", 1½"
Side View Depth behind mounting plate	X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)	X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)
Accepts industry standard size wallplates (sold separately) 4.63" Maximum Cover Height	One, two, three and four gang plates. Customer configuration dependant. 4-Gang 4-Gang	One, two, three and four gang plates. Customer configuration dependant. 4-Gang 4-Gang

Note: UL File Number E31999.

Accessories

On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4

Pour Pan Dimensions: 15.75 in. sq. 4 in. depth

Covers

	CFB8FC1 Covers		CFB8FC2 Covers	
All ballroom floor box covers are machined from Aluminum and have no additional finish options				
Carpet Cover, with 2 egress doors (0.20" depth)	**CFB8CVRALU1**	–	–	–
Flush cover, with 2 egress doors	–	–	**CFB8CVRALU2**	–
Blank box cover	–	**CFB8JBC1**	–	**CFB8JBC2**
Cover Load Ratings*: Recommended Loading Maximum Load	20,000 lb 40,000 lb	20,000 lb 40,000 lb	20,000 lb 40,000 lb	20,000 lb 40,000 lb

*Note: *Load applied through 3" (76mm) mandrel in center of cover. Loads are static and don't apply to rolling loads.*

Dimensions in Inches (mm)

Above-Floor Service Fittings (Single Service)

Hubbell offers a variety of above-floor service pedestals to satisfy just about any requirement. Large capacity enables a choice of services—you can even create your own unique pedestal to satisfy specific requirements. Above floor service fittings are ideal for furniture feed applications.

Pedestals – Metallic – LO-CON (single service only)

Traditional metallic pedestals with die-cast aluminum frame, brushed aluminum housing and stainless steel faceplates. These pedestals are offered as component parts. They mount on floor box covers or floor deck/duct systems with ¾ inch or 1 inch threaded openings.

Create Pedestal – Create your own pedestal to meet specific service requirements. Order housing, face plates and devices separately.

Description	Catalog Number
Frame, housing, ¾ in. chase nipple, without plates.	SC3098A
Frame, housing, 1 in. chase nipple, without plates.	SC3099A
Blank plate.	SS309B
Telephone bushing with 1 in. I.D. and (2) ⅜ in. KO for coax.	SS309T
Single receptacle plate with 1.39 in. (35.3) opening.	SS309S
Duplex receptacle plate.	SS309D
Style Line® decorator plate.	SS309DS

3.00" (76.2)
2.62" (66.5)
4.38" (111.3)
2.63" (66.8)

SC3098A
SC3099A

SS309D   **SS309DS**

Furniture Feed Plates – Use with SC3098A or SC3099A housings to feed furniture systems in office settings or display cases in retail applications.

Description	Catalog Number
Aluminum plate with ¾ in. trade size knockout.	SS309SF
Aluminum plate, blank.	SS309BF

Note: When using SS309SF on Hubbell's LO-CON pedestals, SS309BF must be used on the opposite side.

Pedestals – Specialized Service – Large Capacity Pedestals (single service only)

Designed to accommodate receptacles up to 50A (4-gang only). These brushed aluminum pedestals are furnished with either a ¾ inch or 1 inch hub and are designed for mounting to floor box covers with ¾ inch or 1 inch threaded openings. Create your own unique pedestal with a wide choice of stainless steel plates and devices.

Description (2-Gang Housing)	Catalog Number
2-gang aluminum pedestal, grounded (front and back) with ¾ in. hub.	SA6685G
2-gang aluminum pedestal, grounded (front and back) with 1 in. hub.	SA6686G

2-Gang

2.50" (63.5)
2.88" (73.2)
5.62" (142.7)
1" (25.4)

SA6685G
SA6686G

Plate Option – 1-Gang

Description	Catalog Number
Duplex opening.	SS8
Style Line® decorator opening.	SS26
Single receptacle opening – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	SS7
Single receptacle opening – boss diameter 1.55 to 1.58 in. (39.4 to 40.1).	SS720
Blank plate.	SS13

Description (4-Gang Housing)	Catalog Number
4-gang aluminum pedestal (2 front and 2 back), with ¾ in. hub.	SA6687G
4-gang aluminum pedestal (2 front and 2 back), with 1 in. hub.	SA6688G

SS7   **SS720**   **SS26**

4-Gang

2.50" (63.5)
4.70" (119.4)
5.62" (142.7)
1" (25.4)

SA6687G
SA6688G

Plate Option – 2-Gang

Description	Catalog Number
Two duplex openings.	SS82
Two Style Line® decorator openings.	SS262
Two single receptacle openings – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	SS72
Single receptacle opening – boss diameter 2.41 to 2.44 in. (61.2 to 62.0).	SS701
Single receptacle opening – boss diameter 2.09 to 2.13 in. (53.1 to 54.1).	SS703
Blank plate.	SS23

SS82   **SS262**

Dimensions in Inches (mm)

Features and Benefits

Convention Center Utility Boxes

Painted Galvanized Steel Box (14 Gauge G90)

• Cost effective, corrosion resistant paint. Suitable for both on and above-grade applications

Stainless Steel Box (14 Gauge 304)

• Corrosion resistant enclosure suitable for both on and above-grade applications

Listings/Requirements

• UL Listed and CSA Certified

• Meets UL514 requirements for scrubwater and prevents water, dirt and debris from entering the electrical devices

Painted Galvanized Steel Box

Power and Data Panels*

Custom manufactured and pre-wired to your project specifications. Panel options include 100A pin and sleeve, 20A and 30A Twist-Lock®, 20A GFCI, isolated ground or industrial straight blade devices. Optional circuit breaker protection is available. Up to two gangs available for audio/video/data communication requirements. Both power and data panels are shipped separately after the boxes have been set in concrete.

*Note: *Contact Hubbell for available configurations of power and data panels.*

Stainless Steel Box

Box Design

• Separate enclosure to keep water away from electrical components

• Hooks for tying onto rebar

• 2-gang low voltage compartment

• Custom built panels that accept a wide variety of electrical configurations

Cover Design

• Heavy duty covers, 32,000 lb. load capacity with 2x safety factor

Adjustability

• 4 inch pre-pour adjustability

Air/Water Only Inside View

• Separate enclosure for compressed air/water utilities, prevents air and water from coming in contact with electrical services

• 2 inch drain

Stand Alone Power/Data Box

• Custom manufactured and pre-wired to your project specifications

• Optional circuit breaker protection is available

• Up to 2-gangs available for audio/video/data communication requirements

Power/Data Box Inside View

• Up to 2-gangs of data

• 20A and 30A devices

• Circuit breakers

• Up to 100A pin and sleeve

• 150A maximum capacity

• Boxes do not ship with power/data panels

*Note: *Contact Hubbell for available configurations of power and data panels.*

Convention Center Utility Boxes

Metallic Convention Center Utility Boxes*

Steel Convention Center Utility Box	Painted Galvanized Steel Box	Stainless Steel Box
with Cover for Power and Data/Communications.	**HBLSCCUBPD**	**HBLSCCUBPDSS**
with Cover for Power, Data/Communications and Air/Water Box.	**HBLSCCUBPDW**	**HBLSCCUBPDWSS**
with Cover for Air/Water Only.	**HBLSCCUBW**	**HBLSCCUBWSS**

Note: UL File Number E302222.
   *All boxes provided with temporary galvanized steel concrete covers.

Painted Galvanized Steel Low Voltage Panel

Description	Catalog Number
Data Panel, 2-Gang, 12 Ports	**HBLSBDPCC**

Painted Galvanized or Stainless Steel Metallic Box

Stand Alone Power/Data
HBLSCCUBPD (Painted Galvanized)
HBLSCCUBPDSS (Stainless Steel)

Combination Power/Data/Water
HBLSCCUBPDW (Painted Galvanized)
HBLSCCUBPDWSS (Stainless Steel)

Stand Alone Water/Air Box
HBLSCCUBW (Painted Galvanized)
HBLSCCUBWSS (Stainless Steel)

Pre-Wired Power Panels

Convention Center Power Panels are custom built to order and pre-wired in the factory to make installation quick and easy. Please contact the factory to configure a power panel for your specific needs.

Position	Device Options**
8	Qty. (1) Pin and Sleeve Receptacle 100A.
9 & 10	Qty. (2) Twist-Lock® Receptacles (20A or 30A).
11,12,13	Qty. (3) Duplex Receptacles (20A Standard, GFCI or Isolated Ground).
14	Load Center for Circuit Breakers, 8-Pole Positions Max.

Note: **Contact Hubbell for available configurations of power and data panels.

Dimensions in Inches (mm)

Floor Boxes

CONNEXION Zone Distribution System

The Hubbell CONNEXION 2.0 Zone Distribution System is a factory assembled, flexible, modular plug-n-play system with Hubbell AFB Series Boxes that delivers power in raised floor installations. This unique system increases the value of the infrastructure and meets the challenges posed by new construction and renovation in commercial offices, retail outlets and educational facilities. By improving cable management, enhancing flexibility, and reducing administration expense, the CONNEXION 2.0 Zone Distribution System allows power needs to be addressed in a timely and effective manner. The basic CONNEXION 2.0 building blocks are shown below.

3/3/2 System Configuration (3-Hots, 3-Neutrals, 2-Grounds)

Appropriate for a 120/208 volt 3ØY power distribution and dedicated neutrals are desired.

- Three circuit capacity.
- Isolated ground capability for sensitive equipment.
- Each circuit has its own #12 AWG neutral.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (3 hots, 3 neutrals, 1 equipment ground, 1 isolated ground).

4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 2 + 2 Wiring Configuration

Appropriate in areas where shared neutral conductors are utilized.

- Two circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Two additional circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground).

4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 3+ 1 Wiring Configuration

Appropriate in areas where shared neutral conductors are utilized.

- Three circuits share #10 AWG neutral to manage harmonics for general purpose.
- One circuit on dedicated #10 AWG neutral for sensitive equipment.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground).

1/1/1 System Configuration (1 Hot, 1 Neutral, 1 Ground)

- One circuit capacity.
- Component Rating: 20 amperes at 120/208 volt.
- 3-Wires (1 hot, 1 neutral, 1 equipment ground).

Note: Contact factory for custom wiring configurations.

CONNEXION Zone Distribution System

2.0 Zone Boxes

Zone Box Part Number	Wiring Configuration	Output Whips	Total Number of Circuits per Box	Circuits per Whip	Home Run Connection Type
ZB332C3W1POUT*	332	1	3	3	Wire nuts to open leads
ZB332C6W2P	332	2	6	3	Wire nuts to open leads
ZB332C12W4P	332	4	12	3	Wire nuts to open leads
ZB332C3W2TC	332	2	3	3	Single Screw down terminal block
ZB332C3W4TC	332	4	3	3	Single Screw down terminal block
ZB332C6W2TM	332	2	6	3	Multi Screw down terminal block
ZB332C12W4TM	332	4	12	3	Multi Screw down terminal block
ZB422S2C4W1POUT*	422, 2+2	1	4	4	Wire nuts to open leads
ZB422S2C8W2P	422, 2+2	2	8	4	Wire nuts to open leads
ZB422S2C16W4P	422, 2+2	4	16	4	Wire nuts to open leads
ZB422S2C4W2TC	422, 2+2	2	4	4	Single Screw down terminal block
ZB422S2C4W4TC	422, 2+2	4	4	4	Single Screw down terminal block
ZB422S2C8W2TM	422, 2+2	2	8	4	Multi Screw down terminal block
ZB422S2C16W4TM	422, 2+2	4	16	4	Multi Screw down terminal block
ZB422S3C4W1POUT*	422, 3+1	1	4	4	Wire nuts to open leads
ZB422S3C8W2P	422, 3+1	2	8	4	Wire nuts to open leads
ZB422S3C16W4P	422, 3+1	4	16	4	Wire nuts to open leads
ZB422S3C4W2TC	422, 3+1	2	4	4	Single Screw down terminal block
ZB422S3C4W4TC	422, 3+1	4	4	4	Single Screw down terminal block
ZB422S3C8W2TM	422, 3+1	2	4	4	Multi Screw down terminal block
ZB422S3C16W4TM	422, 3+1	4	16	4	Multi Screw down terminal block
ZB111C1W1POUT*	111	1	1	1	Wire nuts to open leads
ZB111C2W2P	111	2	2	1	Wire nuts to open leads
ZB111C4W4P	111	4	4	1	Wire nuts to open leads
ZB111C6W6P	111	6	6	1	Wire nuts to open leads
ZB111C8W8P	111	8	8	1	Wire nuts to open leads
ZB111C1W2TC	111	2	1	1	Single Screw down terminal block
ZB111C1W4TC	111	4	1	1	Single Screw down terminal block
ZB111C1W6TC	111	6	1	1	Single Screw down terminal block
ZB111C1W8TC	111	8	1	1	Single Screw down terminal block
ZB111C2W2TM	111	2	2	1	Multi Screw down terminal block
ZB111C4W4TM	111	4	4	1	Multi Screw down terminal block
ZB111C6W6TM	111	6	6	1	Multi Screw down terminal block
ZB111C8W8TM	111	8	8	1	Multi Screw down terminal block

*Note: *OUT suffix denotes single whip output zone box, which will not be further expanded.*

2.0 Furniture Feeds

Furniture feeds are junction boxes which come with a pre attached power "IN" connector allowing transition to building hard-wiring underneath the raised floor.

Zone Box Part Number	Wiring Configuration	Output Whips	Total Number of Circuits per Box	Circuits per Whip	Home Run Connection Type
ZB332C3W1PIN	332	1	3	3	Wire nuts to open leads
ZB422S2C4W1PIN	422, 2+2	1	4	4	Wire nuts to open leads
ZB422S3C4W1PIN	422, 3+1	1	4	4	Wire nuts to open leads
ZB111C1W1PIN	111	1	1	1	Wire nuts to open leads

2.0 Extender Cables

Hubbell Connexion 2.0 extender cables have male (power "IN") / female (power "OUT") ends allowing them to be connected in the field as needed. Available in three different versions, 422, 332, and 111, in 5 ft. increments up to 30 ft.

422 Family	332 Family	111 Family	Length	Connectors
CEXT422MFL01	CEXT332MFL01	CEXT111MFL01	1 ft.	Male / Female
CEXT422MFL05	CEXT332MFL05	CEXT111MFL05	5 ft.	Male / Female
CEXT422MFL10	CEXT332MFL10	CEXT111MFL10	10 ft.	Male / Female
CEXT422MFL15	CEXT332MFL15	CEXT111MFL15	15 ft.	Male / Female
CEXT422MFL20	CEXT332MFL20	CEXT111MFL20	20 ft.	Male / Female
CEXT422MFL25	CEXT332MFL25	CEXT111MFL25	25 ft.	Male / Female
CEXT422MFL30	CEXT332MFL30	CEXT111MFL30	30 ft.	Male / Female
CEXT422FWL01	CEXT332FWL01	CEXT111FWL01	1 ft.	Female / Open
CEXT422FWL01XP*	CEXT332FWL01XP*	CEXT111FWL01XP*	1 ft.	Female / Open
CEXT422MWL01	CEXT332MWL01	CEXT111MWL01	1 ft.	Male / Open
CEXT422MWL01XP*	CEXT332MWL01XP*	CEXT111MWL01XP*	1 ft.	Male / Open
CEXT422MWL05	CEXT332MWL05	CEXT111MWL05	5 ft.	Male / Open
CEXT422MWL15	CEXT332MWL15	CEXT111MWL15	15 ft.	Male / Open

*Note: *Standard lead length is 12 in. long. **XP** Suffix denotes 18 in. long leads for installments requiring extra-long wires.*

Zone distribution Boxes are the core of the Connexion 2.0 system. They serve as the main interface between the conventionally connected electrical system and the labor saving Connexion 2.0 system. With a large array of knock outs, they can accept most conduit sizes when run from the circuit breaker panel. They also accept labor saving Homerun cables as part of the Connexion 2.0 system. With depth of 3 inches, the zone boxes will fit in almost any raised flooring system. Custom configurations are also available. Contact Hubbell Wiring Systems for ordering information.

2.0 Splitters
Distributes all cable conductors to up to three locations (one "IN", three "OUTS") to increase the amount of floor boxes fed from a singe Zone Distribution Box output whip.

Catalog Number	Wires	Hot Circuits
SP31	3	1
SP83	8	3
SP84	8	4

2.0 Homerun Cables
The Homerun cable is a dedicated 9-conductor (#10 AWG, THHN / THWN) cable from the panel to the zone box and allows for savings by removing the need to lay conduit and pull wire.

Catalog Number	Length
ZBHR25	25 ft.
ZBHR50	50 ft.
ZBHR75	75 ft.
ZBHR100	100 ft.

Custom Pre-Wired Access Floor Boxes

Cover

- 180° cover opening
- Two large cable egress doors
- Die cast aluminum construction
- Five powder coat finishes
- ADA compliant

Box

- 16 gauge galvanized sheet metal construction

Cable Whip

- Wire leads for field termination
- Pre-wired cable whip

Features and Benefits

- Reduce job site fabrication time and installation labor
- Access Floor Box pre-wired to your specifications
  - Choose from Hubbell quality devices
  - Single or multiple circuit wiring configurations
  - Various cable lengths
- Reduce job site waste
- Pigtail terminates beneath raised floor
- Box covers available in five finishes
- UL Listed Wiring Assembly, file number E305156

Pre-Wired Raised Access Floor Box Options - Contact Hubbell Wiring Systems for Ordering Information

Box Series	Description	Cover Style	Cut Out Dimensions	Conduit Knockouts
AFB2G25PW	2-Gang, 2½" Depth	Rectangular	6¾" x 13⅛"	½" – ¾"
AFB2G50PW	2-Gang, 5.0" Depth	Rectangular	6¾" x 13⅛"	½" – 2"
AFB4G25PW	4-Gang, 2½" Depth	Rectangular	11¼" x 11⅛"	½" – ¾"
AFB4G50PW	4-Gang, 5.0" Depth	Rectangular	11¼" x 11⅛"	½" – 2"
AFB10G55PW	10-Gang, 5½" Depth	Rectangular	11" x 11¼"	½" – 2"
RAFB4PW	4-Gang, 8.0" Depth	Round	8" Diameter	½" – 2"

Products at a Glance

Featuring the unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

SystemOne Recessed Raised Access and Wood Floor Applications…

2-Gang Rectangular

Ideal for applications that call for basic power and data/AV requirements. The 2-gang boxes can be used as an access point to electrical or data connections, or as a furniture feed to power interior furniture partitions. Available in two box depths, the 2 ½ in. depth works well in floors using short pedestals; the 5 in. depth is ideal for furniture feed applications. The rectangular covers are available in assorted finishes to enhance any design scheme.

4-Gang Rectangular

The Hubbell SystemOne 4-Gang Recessed Raised Access or Wood Floor Box delivers AV plus power. Similar to the 2-gang recessed raised access floor box, the 4-gang 2 ½ inch box depth provides a solution for floors using short pedestals. The 5 inch depth is ideal for applications with a lot of requirements. Rectangular covers in a variety of finishes will match any existing or new style.

4-Gang Round

With an 8 in. diameter, the Hubbell SystemOne 4-Gang Round Recessed Floor Box is ideal for use in raised access floors with pre-cut tile or wood floor coverings. With a variety of finish selections, the round covers blend in with the flooring and overall design of the building. Deep, 2 ¾ in. wiring compartments are ready to accommodate today's most advanced, high-performance power, data and AV needs to supply reliable connectivity.

10-Gang Rectangular

Designed to serve high-capacity, multi-service applications, the 10-gang floor box supports installation with an array of Hubbell power, data and AV devices. Third-party mounting plates are available for other manufacturers' devices, including Extron®, Crestron® and FSR®. A 5 ½ in. box depth offers great capacity for connectivity, with the ability accept 2 in. conduit to meet growing AV and data needs. The rectangular covers come in a variety of colors and finishes to enhance any building's design.

Cover

- 180° cover opening
- Two large cable egress doors
- Listed to UL 514A and UL scrubwater compliant
- Die cast aluminum cover construction
- Available in round, rectangular and furniture feed styles
- All covers are ADA compliant

Rectangular Boxes

- 16 gauge galvanized sheet metal
- 6 in. solid conductor ground pigtail in each gang
- Many boxes allow for 2 in. conduits
- Mounts in tiles ¾ in. to 2 in. thick
- Patent pending, labor saving, easy mount device plates
- Plenum rated box assemblies

Round Box

- Fits in 8 in. diameter air diffuser holes
- 16 gauge galvanized sheet metal construction
- Individual grounding screws for each gang
- 2 in. knock-out on the bottom allows for large amounts of data and/or AV devices
- Mounts in tiles ¾ in. to 2 in. thick
- Plenum rated box assemblies

Pre-Wired Assemblies

- AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system as shown on page P-38 and P-39
- Plenum rated box assemblies
- Contact Hubbell Territory Manager for details

Extron® is a registered trademark of Extron Electronics.
Crestron® is a registered trademark of Crestron Electronics, Inc.
FSR® is a registered trademark of FSR Inc.

Floor Boxes

Selecting a SystemOne Recessed Raised Access or Wood Floor Box

To assist with the floor box selection process please have the following information available:

Electrical requirements:	Box depth	Cover style:
Power (each electrical device requires one gang) Data/AV (consult manufacturers' specification for size/volume requirements), number required. Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box.	Determine maximum tile thickness and stantion height and add together. Box depth can not exceed total.	Round Rectangular

Once this information is gathered start on the right column "capacity" select necessary box, then select the concrete pour depth and on-grade or above-grade application, and finally cover style. Locate inter connecting point of all three categories and move to right to select correct catalog number.

① Capacity: Select necessary box.

② Box Depth: Determine maximum possible depth (tile and stantion height total) and select a depth less than the calculated height.

③ Cover Style: Select Round or Rectangular, not all box sizes are available in round.

④ Locate interconnecting point of all three categories and move to right to select correct catalog number.

Capacity ①		Box Depth ②						Select Correct Catalog Number ④
		2 ½ in.		5 in.		5 ½ in.	6 ¼ in.	
2-Gang		•	•					AFB2G25
		•	•					AFB2G25CHI
				•	•			AFB2G50
				•	•			AFB2G50CHI
4-Gang		•						AFB4G25
		•						AFB4G25CHI
				•				AFB4G50
				•				AFB4G50CHI
							•	RAFB4BASE
10-Gang						•		AFB10G55
						•		AFB10G55CHI
		Rectangular	Furniture Feed	Rectangular	Furniture Feed	Rectangular	Round	
		Cover Style ③						

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Features and Benefits

SystemOne Recessed Benefits and Enhancements

Functionality
- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Dirt ingress reduced by egress door brushes
- Meets UL 514A scrubwater requirements with ScrubShield® technology
- Easy selection with common flange for all floor types
- Round and rectangular box versions available
- Plenum rated box assemblies

Value
- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers
- AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Online Resources
- BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com

Safety
- Low profile flanges meet ADA requirements
- Hide-away egress doors fold under cover while in use
- 180° opening of main doors

Covers
- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to ¾ in.
- Maximum static load of 800 lbs. with 2x safety factor*

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Rectangular Floor Boxes
- Standard or Chicago version available
- Temporary cover included

Plates
- For use with 2, 4 and 6-gang floor boxes
- Easy single screw mounting

Round Floor Boxes
- Corrosion resistant
- Temporary cover included

RAFB4 Plates
- All RAFB4SP series plates are powder coat white

Visit web site for information on Hubbell's Pre-wired, Plug and Play, Connexion System.

ScrubShield®
Complies with UL514A

c(UL)us

SystemOne Recessed 2-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Style

A
B
C
A
B
C

Box Type		
Standard Chicago (No Knockouts)	**AFB2G50** **AFB2G50CHI**	**AFB2G25** **AFB2G25CHI**
Minimum Depth from Top of Floor Tile	5.32" (135.1)	2.88" (73.2)
Cubic Inch (cm3) Capacity per Gang	60 cu. in. (980 cm^3)	30 cu. in. (491.7 cm^3)
Furniture Feed; Cubic Inch (cm^3) Capacity per Chamber	135 cu. in. (2212.2 cm^3)	78 cu. in. (1288.3 cm^3)
Dimensions – A	5.12" (130.1)	2.68" (68.2)
Dimensions – B	6.32" (160.5)	6.32" (160.5)
Dimensions – C	12.82" (325.6)	12.82" (325.6)
KO Trade Size: Ends Sides Bottom	(2) ½", (2) 1", 1¼", 1½", 2" (4) ½", ¾", 1", 1¼" (4) ½", ¾", 1", 1¼"	(4) ½", ¾" (4) ½", ¾" (2) ½", ¾", (2) 1", 1¼"
Floor Thickness	.62- 2.12" (15.7- 53.8)	.62- 2.12" (15.7- 53.8)
Cover Family	Rectangular	Rectangular
Temporary Cover Included	✓	✓

Note: UL File Number E31999.

Rectangular Covers (for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to ¾ in.
- Maximum static load of 800 lbs. with 2x safety factor*

	Surface Cover Dimensions 15 in. x 8¾ in.		
Finish	Without Insert	With Insert	Furniture Feed
Aluminum Powder Coat	**2GAFBCVRALU**	**2GAFBCVRALUC**	**2GAFBFFCVRALU**
Black Powder Coat	**2GAFBCVRBK**	**2GAFBCVRBKC**	**2GAFBFFCVRBK**
Brass Powder Coat	**2GAFBCVRBRS**	**2GAFBCVRBRSC**	**2GAFBFFCVRBRS**
Bronze Powder Coat	**2GAFBCVRBRZ**	**2GAFBCVRBRZC**	**2GAFBFFCVRBRZ**
Satin Nickel Powder Coat	**2GAFBCVRNK**	**2GAFBCVRNKC**	**2GAFBFFCVRNK**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Plates - for use in 2 and 4-Gang Floor Boxes

- UL 514A listed

Plate Style	(1) Decorator Opening	(1) Duplex Opening	(2) Extron® MAAP Openings	(2) Extron® Openings	(2) 1U Hubbell iStation Openings	(1) 1.5U Hubbell iStation Opening
Cat. No.	**FBMPREC**	**FBMPDUP**	**FBMPMAAP**	**FBMPAAP**	**FBMP2IM**	**FBMP15IM**

Plate Style	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter	1-Gang Blank	Cable Feed Through with Bushing	(1) Opening for TracJack® or Series II®	(1) Opening with Hubbell ISF6 Frame for Keystone Jacks
Cat. No.	**FBMP139**	**FBMP156**	**FBMPBNK**	**FBMPFT**	**FBMPTRAC**	**FBMP6KS**

Dimensions in Inches (mm)

Extron® is a registered trademark of Extron Electronics. Crestron® is a registered trademark of Crestron Electronics, Inc. FSR® is a registered trademark of FSR Inc. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

SystemOne Recessed 4-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Style		
Box Type		
Standard Chicago (No Knockouts)	**AFB4G50** **AFB4G50CHI**	**AFB4G25** **AFB4G25CHI**
Minimum Depth from Top of Floor Tile	5.37" (136.4)	2.88" (73.2)
Cubic Inch (cm^3) Capacity per Gang	57.5 cu. in. (940 cm^3)	26.5 cu. in. (434.3 cm^3)
Dimensions – A	5.18" (131.4)	2.69" (68.3)
Dimensions – B	11.11" (282.2)	11.11" (282.2)
Dimensions – C	10.90" (276.9)	10.90" (276.9)
KO Trade Size: Ends Sides Bottom	(2) ½", (4) 1", 1¼", 1½", 2" (4) ½", ¾", 1", 1¼" (4) ½", ¾", 1", 1¼"	(4) ½", ¾" (4) ½", ¾" (4) ½", ¾", (4) 1", 1¼"
Floor Thickness	.62- 2.12" (15.7- 53.8)	.62- 2.12" (15.7- 53.8)
Cover Family	Rectangular	Rectangular
Temporary Cover Included	✓	✓

Note: UL File Number E31999.

Rectangular Covers (for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed
- Maximum static load of 1500 lbs. with 2x safety factor*

	Surface Cover Dimensions 13 in. x 13¼ in.	
Finish	Without Insert	With Insert
Aluminum Powder Coat	**4GAFBCVRALU**	**4GAFBCVRALUC**
Black Powder Coat	**4GAFBCVRBK**	**4GAFBCVRBKC**
Brass Powder Coat	**4GAFBCVRBRS**	**4GAFBCVRBRSC**
Bronze Powder Coat	**4GAFBCVRBRZ**	**4GAFBCVRBRZC**
Satin Nickel Powder Coat	**4GAFBCVRNK**	**4GAFBCVRNKC**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Accessories

Description	Catalog Number
AFB4G series replacement dividers.	**AFB4GDIVKIT**

Plates - for use in 2 and 4-Gang Floor Boxes

- UL 514A listed

Plate Style	(1) Decorator Opening	(1) Duplex Opening	(2) Extron® MAAP Openings	(2) Extron® Openings	(2) 1U Hubbell iStation Openings	(1) 1.5U Hubbell iStation Opening
Cat. No.	**FBMPREC**	**FBMPDUP**	**FBMPMAAP**	**FBMPAAP**	**FBMP2IM**	**FBMP15IM**

Plate Style	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter	1-Gang Blank	Cable Feed Through with Bushing	(1) Opening for TracJack® or Series II®	(1) Opening with Hubbell ISF6 Frame for Keystone Jacks
Cat. No.	**FBMP139**	**FBMP156**	**FBMPBNK**	**FBMPFT**	**FBMPTRAC**	**FBMP6KS**

Extron® is a registered trademark of Extron Electronics. Crestron® is a registered trademark of Crestron Electronics, Inc. FSR® is a registered trademark of FSR Inc. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Dimensions in Inches (mm)

SystemOne Recessed 4-Gang Round Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

RAFB4NKL
with Devices

Style

Box Type

RAFB4BRS

Round	**RAFB4BASE**
Minimum Depth from Top of Floor Tile	6.47" (164.3)
Cubic Inch (cm³) Capacity per Gang	28.5 cu. in. (460 cm³)
Dimensions – A	6.41" (162.9)
Dimensions – B	7.33" (186.2)
Dimensions – C	8.05" (204.6)
KO Trade Size: Sides	(2) ½" (2) ¾", 1½" - Concentric, (2) 1", 1¼" - Concentric
Bottom	(1) 1½", 2" (1) ¾", 1" - Concentric, (1) ¾", 1", 1¼" - Concentric
Floor Thickness	.71" (19.1) - 2.50" (63.5)
Temporary Cover Included	✓
ADA	Flange thickness is ⅛ inches thick and complies with ADA requirements

Note: UL File Number E31999.

RAFB4 Series – Round Floor Box with Cover

Includes: **RAFB4BASE** and 8 in. cover

Cover Finish	Catalog Number
Brushed Aluminum	**RAFB4ALU**
Black Powder Coat	**RAFB4BLK**
Brass Plated	**RAFB4BRS**
Bronze Plated	**RAFB4BRZ**
Gray Powder Coat	**RAFB4GRY**
Satin Nickel Plated	**RAFB4NKL**

8 Inch Round Covers*

Round covers are suitable for use with all floor types

Plate Style	Catalog Number
Brushed Aluminum	**CFBS1R8CVRALU**
Black Powder Coat	**CFBS1R8CVRBLK**
Brass Plated	**CFBS1R8CVRBRS**
Bronze Plated	**CFBS1R8CVRBRZ**
Gray Powder Coat	**CFBS1R8CVRGRY**
Satin Nickel Plated	**CFBS1R8CVRNKL**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

RAFB4 Series – Plates

• All **RAFB4SP** series plates are powder coat white

Plate Style	(1) Decorator	(1) Duplex	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter	Blank
Cat. No.	**RAFB4SPDECO**	**RAFB4SPDUPLEX**	**RAFB4SPTL14**	**RAFB4SPTL16**	**RAFB4SPBLANK**

Plate Style	(1) Hubbell iStation Opening for 3 Units	(3) Extron® MAAP Modules	(2) Extron® AAP Modules	Opening to Accept Bezels for Ortronics TracJack®
Cat. No.	**RAFB4SP3UIS**	**RAFB4SP3MAAP**	**RAFB4SP2AAP**	**RAFB4SPORT**

Extron® is a registered trademark of Extron Electronics. Crestron® is a registered trademark of Crestron Electronics, Inc. FSR® is a registered trademark of FSR Inc. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Dimensions in Inches (mm)

SystemOne Recessed 8*/10-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Style	
Box Type	
Standard	**AFB10G55**
Chicago (No Knockouts)	**AFB10G55CHI**
Min. Depth from Top of Floor Tile	5.95" (151.1)
Cubic Inch (cm³) Capacity per Gang	(2) 25 cu. in. (407.9 cm³), (2) 50 cu. in. (819.4 cm³), (2) 71 cu. in. (1163.5 cm³)
Dimensions – A	5.74" (145.9)
Dimensions – B	11.11" (282.2)
Dimensions – C	10.66" (270.7)
KO Trade Size: Ends	(2) ½", ¾", (2) ¾", 1", 1¼", 1½", (2) 1", 1¼", 1½", 2"
Sides	(4) ¾", 1", 1¼", 1½"
Bottom	(2) ½", ¾", (4) ½", ¾", 1", 1¼"
Floor Thickness	.56" (1.2) - 2.12" (53.8)
Cover Family	Rectangular
Temporary Cover Included	✓

Note: UL File Number E31999.

Rectangular Covers
(for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed
- Maximum static load of 1500 lbs with 2x safety factor**

Finish	Surface Style Covers	
	Without Insert	With Insert
Aluminum Powder Coat	**10GAFBCVRALU**	**10GAFBCVRALUC**
Black Powder Coat	**10GAFBCVRBK**	**10GAFBCVRBKC**
Brass Powder Coat	**10GAFBCVRBRS**	**10GAFBCVRBRSC**
Bronze Powder Coat	**10GAFBCVRBRZ**	**10GAFBCVRBRZC**
Satin Nickel Powder Coat	**10GAFBCVRNK**	**10GAFBCVRNKC**

*Note: **Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Plates for Use in SystemOne 8*/10-Gang Floor Boxes

Plate Style	(1) Decorator Opening	(1) Duplex Opening	Blank	Decorator Opening Plate Including Hubbell ISF6GY	(2) Openings to Accommodate (6) Ortronics TracJack®
Cat. No.	**FB10MPREC**	**FB10MPDUP**	**FB10MPBNK**	**FB10MPKEY**	**FB10MPTRAC**

Plate Style	(2) Decorator	(2) Duplex Openings	(4) Extron® MAAP Modules	(4) Extron® AAP Modules	For (6) 1U Hubbell iStation Modules	Cable Feed Through with Bushing
Cat. No.	**FB10MP2A**	**FB10MP2E**	**FB10MPMAAP**	**FB10MPAAP**	**FB10MP2B**	**FB10MPFT**

Plate Style	(1) Twist-Lock® Opening 1.60 in. Dia. (Uses 2-Gangs)	(1) Simplex Opening 1.40 in. Dia. (Uses 2-Gangs)	(2) Twist-Lock® Opening 1.60 in. Dia. (Uses 3-Gangs)	(2) Simplex Opening 1.40 in. Dia. (Uses 3-Gangs)	(1) Opening for Appliance Receptacle (Uses 3-Gangs)
Cat. No.	**FB10TLA**	**FB10TLX**	**FB10TLB**	**FB10TLY**	**FB10MP3GAPP**

Plate Style	(3) Twist-Lock® Opening 1.60 in. Dia. (Uses 5-Gangs)	(3) Simplex Opening 1.40 in. Dia. (Uses 5-Gangs)	(2) 2-Gang. Meets NEMA Spacing. Ideal for Crestron® DM –TX Product and Power (Uses 5-Gangs)	(4) Single Service Openings Utilizing NEMA Wallplate (Uses 5-Gangs)
Cat. No.	**FB10TLC**	**FB10TLZ**	**FB10MPNEMA2XG***	**FB10MPNEMA4G***

*Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.*

Extron® is a registered trademark of Extron Electronics. Crestron® is a registered trademark of Crestron Electronics, Inc. FSR® is a registered trademark of FSR Inc. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Dimensions in Inches (mm)

Features and Benefits

SystemOne 4 inch Recessed Floor Box, for Raised Access and Wood Floors

The AFBS1R4 floor box was designed for use in raised access or wood floors. It installs easily into a 4 inch diameter hole and is retained by two sets of retaining barbs on the side. Electrical connections are made below the walking surface to protect the electrical devices and increase safety by reducing tripping hazards. Intended for areas that require basic power requirements - one duplex, a duplex with two data jacks or a quadplex – the unobtrusive design will blend into any setting. Available in six architectural finishes and utilizing a flange that is ADA compliant at 1/8 inch thick, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

• UL listed, scrubwater compliant

• Plenum rated box assembly

• Factory configurable with CONNEXION modular plug-n-play system

Box Design
• Durable die-cast aluminum box construction
• Flexible single or dual service
• Easily installs in 4 inch diameter hole, 5⅝ inch device depth
• Four ½ inch side knockouts
• One 1, ¾ and ½ inch concentric bottom knockout

Covers
• Durable die-cast aluminum cover
• 1,000 lbs, static load rated cover
• Available in six architectural finishes

Safety
• Increased safety with recessed connections
• Low profile flanges meet ADA requirements
• Hide-away egress door fold under cover while in use
• 180° opening of main doors

Easy Mount Device Plates
• All S1R4SP series plates are powder coat white

Applications
• Raised access and wood floor applications in commercial and residential buildings

Pre-Wired Assemblies
• AFBS1R4 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system
• Contact Hubbell Territory Manager for details

HUBBELL® Wiring Device-Kellems

SystemOne 4 inch Recessed Floor Box, for Raised Accessand Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Description	Catalog Number
Floor Box with temporary installation Cover	**AFBS1R4BASE**
Floor Box (AFBS1R4BASE) with Brushed Aluminum Finish Cover (AFBS1R4CVRALU)	**AFBS1R4ALU**
Floor Box (AFBS1R4BASE) with Black Powder Coat Finish (AFBS1R4CVRBLK)	**AFBS1R4BLK**
Floor Box (AFBS1R4BASE) with Plated Brushed Brass Finish Cover (AFBS1R4CVRBRS)	**AFBS1R4BRS**
Floor Box (AFBS1R4BASE) with Plated Antique Bronze Finish Cover (AFBS1R4CVRBRZ)	**AFBS1R4BRZ**
Floor Box (AFBS1R4BASE) with Gray Powder Coat Finish Cover (AFBS1R4CVRGRY)	**AFBS1R4GRY**
Floor Box (AFBS1R4BASE) with Plated Satin Nickel Finish Cover (AFBS1R4CVRNKL)	**AFBS1R4NKL**

Note: UL File Number E31999.

Replacement Parts

Description	Catalog Number
Low Voltage Divider	**AFBS1R4DIV**
Replacement Bottom Knockouts	**AFBS1R4BOTTOM**

Installation

Hole Diameter	4 inch
Bottom Knock out	1 inch, ¾ inch, ½ inch concentric
Side knock out	(4) ½ inch

AFBS1R4BASE

AFBS1R4BLK

AFBS1R4NKL

AFBS1R4DIV

AFBS1R4BOTTOM

Covers

- Flange diameter is 5.5 inches
- Flange thickness is ⅛ inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs, for a static load applied through a 3 inch dia. mandrel with 2x safety factor*

5.5 (139)

5 ⅝"

4X ½" KNOCKOUT

3.98 (101)

Architectural Covers

Description / Catalog Number	Cover	Description / Catalog Number	Cover
Brushed Aluminum Finish, Single fold under cable egress door. **AFBS1R4CVRALU**		Plated Antique Bronze Finish, Single fold under cable egress door. **AFBS1R4CVRBRZ**	
Plated Brushed Brass Finish, Single fold under cable egress door. **AFBS1R4CVRBRS**		Plated Satin Nickel Finish, Single fold under cable egress door. **AFBS1R4CVRNKL**	

Powder Coat Covers

Description / Catalog Number	Cover
Black Powder Coat Finish, Single fold under cable egress door. **AFBS1R4CVRBLK**	
Gray Powder Coat Finish, Single fold under cable egress door. **AFBS1R4CVRGRY**	

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Device Mounting Plates

Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate
2X2 Sub-plate with (1) Style Line® decorator device opening and (2) keystone jack openings **S1R4SP2X2STYLE**		(1) Style Line® decorator device opening for power or datacom applications **S1R4SPSTYLE**		2X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2STYLETJ**	
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings **S1R4SP2X2DUPLEX**		(1) Duplex device opening for power or datacom applications **S1R4SPDUPLEX**		2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2DUPLEXTJ**	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12 inch wire leads Includes ⏚ stickers. **S1R4SPQUAD**		(1) 1.60 inch opening for 20 or 30A Twist-Lock® receptacle **S1R4SPTWIST**		(1) 1.40 inch opening for simplex receptacle **S1R4SPSIMPLEX**	

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Dimensions in Inches (mm)

Features and Benefits

SystemOne 6 inch Furniture Feed Floor Box, for Raised Access and Wood Floors

The AFBS1R6FF floor box is designed for use in raised access or wood floors. It installs easily into a 6 inch diameter hole and is retained by two pawl arms which swing outwards when tightened by a screw driver. Providing the lowest profile in the industry, the 1/8 inch flange thickness is ADA complaint. The box can also serve as a wiring chamber for power if needed.

Available in six architectural finishes, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

• UL listed, scrubwater compliant

• Plenum rated box assembly

• Factory configurable with CONNEXION modular plug-n-play system

Pre-Wired Assemblies

• AFBS1R6 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

• Contact Hubbell Territory Manager for details

AFBS1R6BASE

AFBS1R6FFBLK

AFBS1R6FFCVRBRS

AFBS1R6DIV

AFBS1R6GROM

AFBS1R6GATE

Dimensions in Inches (mm)

6 inch Recessed Floor Boxes

Description	Catalog Number
Floor Box with Temporary Installation Cover	**AFBS1R6BASE**
Floor Box (AFBS1R6BASE) with Brushed Aluminum Finish Cover (AFBS1R6FFCVRALU)	**AFBS1R6FFALU**
Floor Box (AFBS1R6BASE) with Black Powder Coat Finish (AFBS1R6FFCVRBLK)	**AFBS1R6FFBLK**
Floor Box (AFBS1R6BASE) with Plated Brushed Brass Finish Cover (AFBS1R6FFCVRBRS)	**AFBS1R6FFBRS**
Floor Box (AFBS1R6BASE) with Plated Antique Bronze Finish Cover (AFBS1R6FFCVRBRZ)	**AFBS1R6FFBRZ**
Floor Box (AFBS1R6BASE) with Gray Powder Coat Finish Cover (AFBS1R6FFCVRGRY)	**AFBS1R6FFGRY**
Floor Box (AFBS1R6BASE) with Plated Satin Nickel Finish Cover (AFBS1R6FFCVRNKL)	**AFBS1R6FFNKL**

Note: UL File Number E31999.

6 Inch Round Covers

• Flange Diameter 7.5 inches

• Flange thickness is 1/8 inches thick and complies with ADA requirements

• Cover load rating is 1,000 lbs, for a static load applied through a 3 inch dia. mandrel with 2x safety factor*

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Finish	Catalog Number
Brushed Aluminum	**AFBS1R6FFCVRALU**
Black Powder Coat	**AFBS1R6FFCVRBLK**
Brass Plated	**AFBS1R6FFCVRBRS**
Bronze Plated	**AFBS1R6FFCVRBRZ**
Gray Powder Coat	**AFBS1R6FFCVRGRY**
Satin Nickel Plated	**AFBS1R6FFCVRNKL**

Replacement Parts

Description	Catalog Number
Low Voltage Divider	**AFBS1R6DIV**
Low Voltage Grommet	**AFBS1R6GROM**
Low Voltage Gate	**AFBS1R6GATE**

Installation

Hole Diameter	6 inch
Bottom low Voltage Knock out	2 inch
Side low voltage entry	Removable gate, area equal to 2 inch conduit
Bottom Power Knock out	¾" ½" concentric
Side Power knock out	¾" ½" concentric
Fastening	2 pawl arms

7.53
(191.3)

3.08
(78.23)

5.96
(151.38)

Features and Benefits

Pre-Wired 2X2 USB Work Surface Pop-Up Box

Hubbell's UL listed 2X2 USB Work Surface Pop-Up Box is ideal for work surfaces, such as desks, which require power for a computer and USB charging for smart devices. Developed with coordination from the hotel industry, the Hubbell Pop-Up Box utilizes a pneumatic spring for providing a smooth action for opening and closing. Available in brushed aluminum or black powder coat, the Pop-Up Box is suited for installation with any modern décor.

Installation is simple and only requires a jig-saw or similar saw plus a screwdriver. The unit is supplied with a 5 foot cord with a molded plug end allowing it to be installed with ease. Designed to be installed into existing desks or by furniture manufactures. The Hubbell 2X2 USB Work Surface Pop-Up Box is ideally suited for any work surface application.

- cULus listed to UL962A for Furniture Power Distribution Units

Box Design

- Gas-spring actuation for smooth opening and closing
- Die cast aluminum construction
- Rated for +10,000 open/close cycles
- Simple three-screw installation
- Unobtrusive low profile flange at 0.05 in.
- Charging convenience at the push of a button

USB Device

- 15A duplex with two USB charging ports, 3.8A USB charging capacity
- Tamper-resistant receptacle
- LED power indicating light
- Easily replaceable receptacle
- 5 ft, pre-wired, 12 gauge, 3 wire electrical cord - making it excellent for conference rooms or classrooms that are frequently rearranged

2X2 USB Work Surface Pop-Up Box

Surface Dimensions	Cut Out Dimensions	Product Depth	Maximum Surface Thickness	Finish	Catalog Number
5" x 5"	4.62" x 4.62"	3.55"	1.125"	Brushed Aluminum	**WSBUSB2X2ALU**
5" x 5"	4.62" x 4.62"	3.55"	1.125"	Black Powder Coat	**WSBUSB2X2BLK**

Note: UL File Number E327832.

Electrical Specifications

Voltage	Current	USB Charging Current	Plug Type	Cord Length
125V	15A	3.8A	NEMA 5-15P	5 Feet

Dimensions

WSBUSB2X2ALU

WSBUSB2X2BLK

5.00" (127.0)

5.00" (127.0)

3.55" (90.2)

5 Feet

1.13" (28.7)

Dimensions in Inches (mm)

Features and Benefits

Pre-Wired Furniture and Work Surface Connectivity Boxes, Surface Series

This family of furniture and work surface connectivity boxes installs into conference tables and workstations to bring power, voice, data, and multimedia directly to the point of use. In addition, they offer an aesthetic design with improved cable management. Now, users can plug in laptops, projectors and other equipment at the desktop level - no more crawling under the table or moving obstacles to get to the electrical outlet and network connectivity.

Table Top Pre-Wired Boxes
- Round dual-service boxes easily install into a 3½ inch diameter core hole
- Power is pre-wired and keystone openings accommodate data or multi-media activation

Lift-Up Style Pre-Wired Boxes
- Two (2) pre-wired 15A outlets with 6 ft. power supply cord
- 1-Unit opening for Hubbell iSTATION modules

Pop-Up Style Pre-Wired Box
- Configured with four (4) pre-wired 15A power outlets with 6 ft. cord
- Two (2) low voltage plates with 1-Unit opening for Hubbell iSTATION modules
- Black and Stainless Steel tops available

Table Top Boxes

Low Voltage Only

Description	Finish	Dimensions	Catalog Number
Table Top box; 2 inch diameter hole; (1) keystone opening; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	**TTBKSBK** **TTBKSAL** **TTBKSBR**
Table Top box; 2 inch diameter hole; (1) XLR microphone jack installed.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	**TTBXLRBK** **TTBXLRAL** **TTBXLRBR**

TTBKSBK

TTBXLRBK

Pre-Wired Dual-Service

Description	Finish	Dimensions	Catalog Number
Table Top box; 3.5 inch diameter hole; (1) pre-wired 15A outlet with 9 foot power supply cord; (1) 3.5mm screw terminal audio jack; (1) 15-pin gender changer F/F; (2) keystone openings; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	**TTBDS1BK** **TTBDS1AL** **TTBDS1BR**
Table Top box; 3.5 inch diameter hole; (2) pre-wired 15A outlets with 9 foot power supply cord; (2) keystone openings; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	**TTBDS2BK** **TTBDS2AL** **TTBDS2BR**

TTBDS1BK

TTBDS2BK

Note: See section A for power devices and section Y for datacom accessories.

Pre-Wired Furniture and Work Surface Connectivity Boxes, Surface Series

Square Lift-Up Style

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 6 ft. power supply cord; 1-Unit opening for Hubbell iSTATION modules. Unit rotates up when in use and down to conceal services when not in use.	Black	5.75"L x 5.39"W x 4.25"H	**WSBC21UBK**

WSBC21UBK

Square Mini Lift-Up Style

Description	Finish	Dimensions	Catalog Number
One (1) pre-wired 15A outlet with 9 ft. power supply cord; One (1) RJ-45 jack installed with 6 ft. patch cord.	Black Brushed Stainless Steel	3.7"L x 3.7"W x 2.93"H	**WSBA11BK** **WSBA11BSS**
Two (2) pre-wired 15A outlets with 9 ft. power supply cord (power only).	Black Brushed Stainless Steel	3.7"L x 3.7"W x 2.93"H	**WSBA2BK** **WSBA2BSS**

WSBA11BK

Under Table Mount

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 9 ft. power supply cord; One (1) Low Voltage Plate included with 1-Unit opening for Hubbell iSTATION modules.	Black	6.50"L x 1.75"W x 2.25"H	**WSBD21UBK**

WSBD21UBK

Grommet Style

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 6 ft. power supply cord; two (2) Hubbell Keystone openings.	Black Silver	8.62"L x 3.0"W x 2.25"H	**WSBF22BK** **WSBF22SV**
Flush grommet cover with dust shield.	Black Silver Brushed Aluminum Brushed Stainless Steel	5.68"L x 3.39"W x 0.96"H	**WSBFGROMBK** **WSBFGROMSV** **WSBFGROMBAL** **WSBFGROMBSS**

WSBF22BK

WSBFGROMSV

Pre-Wired Work Surface Elite Series

Recessed Concealed Services

Description	Finish	Dimensions	Catalog Number
Four (4) pre-wired 15A outlets with 6 ft. power supply cord; three (3) low voltage openings which allow for three (3) 1-unit Hubbell iSTATION modules.	Black Silver Clear Anodized Black Anodized	15.0"L x 9.0"W x 6.25"H	**WSBG43UBK** **WSBG43USV** **WSBG43UBAL** **WSBG43UBBA**

WSBG43USV
(cover doors shown open)

Pop-Up Style*

Description	Finish	Dimensions	Catalog Number
Base unit with four (4) pre-wired 15A outlets with 6 ft. power supply cord; two (2) low voltage plates included with 1-unit opening for Hubbell iSTATION modules.	—	8.90"L x 8.90"W x 13.9"H	**WSBH42U***
Trim ring and decorative round top.	Black	5.25" Diameter	**WSBHTRBK**
	Brushed Stainless Steel	5.25" Diameter	**WSBHTRBSS**

*Note: *WSBH42U is CSA Certified only.*

Replacement Low Voltage Data Plates

Description	Finish	Dimensions	Catalog Number
Non-metallic low voltage plate, blank.	Black	3.18"L x 1.88"W	**WSBPLATE1**
Non-metallic low voltage plate, 1-unit Hubbell iSTATION cut-out.	Black	3.18"L x 1.88"W	**WSBPLATE2**

Note: UL File Number E327832.

WSBH42U with
WSBHTRBK

WSBPLATE1   WSBPLATE2

Features and Benefits

AV In-Wall Enclosure

Hubbell's netSELECT® Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

• Optional screw on cover reduces tampering
• cULus 1863 Listed

NSAV62M

Box Design

• Flush against walls installation
• Sheet metal base white powder coat finish
• Accepts standard electrical boxes
• Integrated cable management

Mounting

• Multiple device mounting options
• 1½ and 1¼ inch conduit knockouts
• Easily mounts to studs or sheetrock
• Easily replaceable receptacle
• Trim ring covers rough in

NSAV6C

NS801W

NSOKPS

SFHC14W

NSJ6W

FPTV Connection Enclosure

Description	Color	Catalog Number
2-Gang In-Wall enclosure.	White	**NSAV62M**
Steel cover for NSAV6 series.	White	**NSAV6C**
4-Gang In-Wall enclosure.	White	**NSAV124M**
Steel cover for NSAV12 series.	White	**NSAV12C**

Note: UL File Number E129878.

Power Kits (For use with NSAV62M only)

Description	Color	Catalog Number
Standard power kit.	White	**NSOKPTR**
Surge protected power kit.	Blue	**NSOKPS**

AV Connectors and Plates

Description	Color	Catalog Number
1-Gang blank plate.	White	**NP14W**
1-Gang decorator plate.	White	**NP26W**
1-Gang Hubbell iSTATION plate.	White	**IMF1W**
1-Gang 4-port Keystone plate.	White	**NSP14W**
1-Port HDMI frame.	White	**NS801W**
2-Port HDMI frame.	White	**NS802W**
HDMI snap fit.	White	**SFHC14W**
F-connector snap fit.	White	**NSF70W**
Usb A-to-B snap fit.	White	**SFUSBABW**
Cat 6 snap fit jack.	White	**NSJ6W**

Note: See Network Wiring section Y for other connector options.

AV Ceiling Enclosure

The AV Ceiling Enclosure is designed to work with active AV devices to integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. An additional AV/data kit can be added or customized to address all connector, mounting and patching needs, reducing multiple pieces on site.

• Manage multiple applications inside one enclosure
• Flush mounted, white enclosure for consistent look when mounted in the ceiling
• Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
• All steel rugged construction provides the ultimate strength for installation

AVCE1H

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
AV ceiling enclosure.	12" (305)	24" (610)	8" (203)	White	**AVCE1H**

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.

Gangable AV and Large Capacity Wall Boxes

HBL985 and HBL986 with HBL989 Low Voltage Partition

Gangable AV Wall Boxes

Box	Dimensions	Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
2-Gang, 2 in. KO, 54 in.³ capacity	H: 4.21 in. W: 4.06 in. D: 4.0 in.	(2) ½" (2) ½" - ¾" TKO*	(1) 1", 1¼", 1½" and 2"	(2) ½" - ¾" TKO	**HBL985**
3-Gang, 2 in. KO, 79 in.³ capacity	H: 4.21 in. W: 5.87 in. D: 4.0 in.	(3) ½" (3) ½" - ¾" TKO*	(1) ½" (1) ½" - ¾" TKO* (1) 1", 1¼", 1½" and 2"	(3) ½" - ¾" TKO	**HBL986**
4-Gang, 2 in. KO, 104 in.³ capacity	H: 4.21 in. W: 7.69 in. D: 4.0 in.	(4) ½" (4) ½" - ¾" TKO*	(1) ½" (1) ½" - ¾" TKO* (2) 1", 1¼", 1½" and 2"	(4) ½" - ¾" TKO	**HBL987**
6-Gang, 2 in. KO, 154 in.³ capacity	H: 4.21 in. W: 11.31 in. D: 4.0 in.	(6) ½" (6) ½" - ¾" TKO*	(1) ½" (1) ½" - ¾" TKO* (2) 1", 1¼", 1½" and 2"	(6) ½" - ¾" TKO	**HBL988**

Note: UL File Number E31999.
*TKO (Tangential Knockout).

HBL985

HBL986

Low Voltage AV Wallbox Partitions

Compatible With	Compatible Mud Ring Depth	Description	Quantity	Catalog Number
HBL985 and HBL986	½", ¾" and 1¼"	Solid divider	1	**HBL989**
		With pass-thru capability	1	**HBL989AVD**

HBL989

| Front | Back (Cutaway) | | Front | Back (Cutaway) |

Note: Cutaway images are for demonstration purposes only.

HBL260

2-Gang Large Capacity Wall Box - 66.7 Cubic Inch Capacity

Description	Dimensions	Knockouts Sides*	Knockouts Back*	Catalog Number
Square 2-gang wall box	4¹¹/₁₆"H x 4¹¹/₁₆"W x 3¼"D	(2) ¾" – 1" TKO; (2) 1" – 1¼" TKO; (2) 1" – 2" conc. KO	(2) ¾" – 1" TKO (2) ½" TKO	**HBL260**

Note: Use with industry standard 4¹¹/₁₆" square mud rings for 1- or 2-gang applications.
*TKO (Tangential Knockout)

3-Gang Large Capacity Wall Box - 113.3 Cubic Inch Capacity

Description	Dimensions	Knockouts Sides	Knockouts Back	Catalog Number
Square 2 or 3-gang wall box	4¹¹/₁₆"H x 7¾"W x 3¼"D	(4) ½" – ¾" TKO, (4) ¾" – 1" TKO, (2) 1" – 1¼" TKO, (2) 1" – 2" conc. KO	(2) ½" – ¾" TKO, (2) ¾" – 1" TKO, (2) 1" – 1¼" TKO	**HBL263**

Note: Use with industry standard 4" square mudrings for 1- or 2-gang applications.

HBL263

2-Gang Mud Rings - Compatible with HBL260

Description	Capacity (cu. in.)	Catalog Number
⅝" height	7.3	**HBL818**
¾" height	8.8	**HBL840**
1" height	12.0	**HBL819**
1¼" height	15.0	**HBL820**

3-Gang Mud Rings - Compatible with HBL263

Description	Capacity (cu. in.)	Catalog Number
½" height	10.1	**HBL792**
⅝" height	12.3	**HBL793**
1¼" height	24.3	**HBL794**

HBL792

HBL794

Low Voltage Partitions

Compatible With	Compatible Mud Ring Depth	Description	Quantity	Catalog No.
HBL260 and HBL263	½", ¾" and 1¼"	Solid divider	1	**HBL981**
		With pass-thru capability	1	**HBL981AVD**

HBL981

SystemOne Fire-Rated Poke-Through and Floor Box Recessed Covers

Two Concrete Floor Applications

Fire-Rated Poke-Throughs are used when the conduits can't be installed in the concrete floor and for tenant improvements.

Floor boxes in concrete applications are used when the connecting conduits can be installed into the concrete floor.

Same Results!

Round low profile durable cover with recessed connections.

Hubbell SystemOne Recessed Systems 10, 8, 6 & 4 Inch

Hubbell SystemOne Multi-Service Applications

Hubbell Pedestal Multi-Service Applications

Hubbell SystemOne Recessed FRPTs

Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

10 Inch Concrete Core Hole Applications…

10 Inch Recessed Access

Center Sub-Plates
with Perimeter Sub-plates

High Capacity Multimedia Applications
Sub-plate layout for the center four gangs of the ten inch FRPT allows for maximum AV capacity. The NEMA spacing plate allows the product flexibility to easily accept 3rd party products.

Sub-Plates Offer Application Flexibility
Perimeter sub-plates for the ten inch FRPT help compliment the AV or data in the center four gangs. Additionally these plates can be exchanged for other low voltage compatible plates.

8 Inch Concrete Core Hole Applications…

8 Inch Recessed Access

Center Sub-Plates
with Perimeter Sub-plates

High Capacity Multimedia Applications
Sub-plate layout for the center three gangs of the eight inch FRPT allows for maximum AV capacity. The NEMA spacing allows the product flexibility to easily accept 3rd party products.

Sub-Plates Offer Application Flexibility
Perimeter sub-plates for the eight inch FRPT help compliment the AV or data in the center three gangs. Additionally these plates can be exchange for other low voltage compatible plates.

Hubbell SystemOne Recessed FRPTs

Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality by providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

6 Inch Concrete Core Hole Applications…

6 Inch Recessed Access

60/40 split Sub-Plates

50/50 split Sub-Plates

60/40 6 Inch Sub-Plate Split
An Industry first, the 60/40 sub-plate layout allows for unmatched capacity with up to 12 keystone jacks and one 20A duplex.

50/50 6 Inch Sub-Plate Split
Two duplexes with ample AV and data are achieved by using the 50/50 sub-plate layout. Additionally this layout will accommodate two Style Line® devices for GFCI, surge, etc. applications.

4 Inch Concrete Core Hole Applications…

4 Inch Recessed Access

Quad Sub-Plate

Multi & Single Service Sub-Plates

4 Inch Quad Sub-Plate
The pre-wired quad sub-plate can be wired as one circuit or two and includes 12 inch of stranded wire.

4 Inch 2X2 Sub-Plate
The 2x2 sub-plates are available with Style Line® or traditional duplex openings and can accommodate up to two keystone jacks.

How to Order 10, 8, 6 and 4 Inch SystemOne Products

STEP 1: Select Recessed Access Poke-Through

10 Inch	**8 Inch**	**6 Inch**	**4 Inch**

Or Select Furniture Feed Poke-Through

10 Inch   **6 Inch**   **4 Inch**

STEP 2: Select Recessed Access Sub-Plate

10 Inch   **8 Inch**

Center Sub-Plates
with Perimeter Sub-plates

Center Sub-Plates
with Perimeter Sub-plates

6 Inch   **4 Inch**

60/40 split
Sub-Plates

50/50 split
Sub-Plates

Quad
Sub-Plates

2X2
Sub-Plates

Note: Furniture feed version does not require sub-plates.

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

How to Order 10, 8, 6 and 4 Inch SystemOne Products

STEP 3: Select Recessed Cover (Aluminum Cover Shown, see Below for All the Finishes Available)

10 Inch	8 Inch	6 Inch	4 Inch

Note: Tamper-Resistant 10 inch covers are also available.

Or Select Furniture Feed Cover (Aluminum Cover Shown, see Below for All the Finishes Available)

10 Inch	6 Inch	4 Inch

All Cover Finishes Shown Below

Brushed Aluminum	Brushed Brass Plated	Antique Bronze Plated	Black Powder Coat	Gray Powder Coat	Satin Nickel Plated

Recommended Fire-Rated Poke-Through Size Chart

To avoid over or under utilizing the capacity of the fire-rated poke-through, first determine how many gangs of power, data and AV are required for the application. The matrix below will guide you to the correct poke-through size.

Recommended Fire-Rated Poke-Through Size

POWER GANGS	0	1	2	3	4	5
5	8"	10"	10"	10"		
4	8"	8"	10"	10"	10"	
3	6"	8"	8"	10"	10"	10"
2	6"	6"	8"	8"	10"	10"
1	4"	6"	6"	8"	8"	10"
0	—	4"	6"	8"	8"	8"

DATA AND AV GANGS

Blank cells (upper right) = Exceeds capacity of Hubbell recessed poke-throughs

Example: 2-gangs of power, 1-gang of AV and 1-gang of data is required. Find the intersection for 2 power gangs with 2 data/AV gangs. The highlighted intersection defines the recommended FRPT.

ScrubShield®
Complies with UL514A

c(UL)us (ULC) LISTED

Features and Benefits

SystemOne Recessed 10 Inch
Fire-Rated Poke-Through Fittings

- The most dynamic FRPT system with the largest capacity available to meet all multimedia applications where power and voice/data are required
- Maintains concrete floor fire rating up to 2 hours
- Tamper-resistant recessed covers available
- Furniture feed cover available with (2) generous 2 inch NPT low voltage hubs and (2) 1 inch NPT power hubs
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements

10 Inch FRPT
with Accessories

FRPT Design

- Step down installation
- Flexible single or multi-service
- Recessed connections

Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available as recessed or furniture feed
- Tamper-resistant recessed covers available
- Available in six architectural finishes

FRPT Chambers

- 4 inch deep access chamber
- 4.43 inch deep center device chamber
- Dividers to make up to 8 individual services
- Perimeter to perimeter wiring tunnel

Easy Mount Device Plates

- Multiple, open architecture mounting plates for power, data and AV
- 4 center gangs
- 2 full or 4 half independent perimeter gangs

Safety

- Low profile flange, 0.16 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door

Bottom Feed Plates

- 9 center chamber and 6 perimeter adaptable feed plates
- Center chamber ranges from ½" to 2-½"
- Perimeter ranges from ½" to 1-1¼"

HUBBELL® *Wiring Device-Kellems*

www.hubbell-wiring.com

SystemOne Recessed 10 Inch Core Hole Kits, for Use In Concrete Floors

10 Inch Fire-Rated Poke-Through

Catalog Number

Hubbell SystemOne 10 Inch Recessed Floor Fitting with Installation Cover **S1R10PTFIT**

Approved for use in the City of Chicago with EMT and full blank bottom feed plates.

Note: See page Q-36 for technical information.

S1R10PTFIT

10 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT)
- (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT)
- (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT)
- (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK)
- (1) Hubbell SystemOne 10 inch bottom perimeter ¾ inch plate (S1R10PBF075)
- (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV)
- (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV)
- (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R10PTALU**
Black Powder Coat	**S1R10PTBLK**
Brushed Brass Plated	**S1R10PTBRS**
Antique Bronze Plated	**S1R10PTBRZ**
Gray Powder Coat	**S1R10PTGRY**
Satin Nickel Plated	**S1R10PTNKL**

S1R10PTBRS

Pre-Wired 10 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT)
- (2) 20A pre-wired receptacle sub-plates with 24 inch wire leads (S1R10PSPZ)
- (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT)
- (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT)
- (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK)
- (1) Hubbell SystemOne 10 inch bottom perimeter ¾ inch plate (S1R10PBF075)
- (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV)
- (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV)
- (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx)

Receptacles feature single circuit wiring

Cover Finish	Catalog Number
Brushed Aluminum	**S1R10PTZALU**
Black Powder Coat	**S1R10PTZBLK**
Brushed Brass Plated	**S1R10PTZBRS**
Antique Bronze Plated	**S1R10PTZBRZ**
Gray Powder Coat	**S1R10PTZGRY**
Satin Nickel Plated	**S1R10PTZNKL**

S1R10PTZBLK

Note: xx indicates finish options.

Recessed 10 Inch Covers

The 10 inch FRPT cover assembly unit includes solid cast aluminum construction and mounting hardware. Covers are recessed and available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.16 inch exceeds ADA requirement and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant.

10 Inch Fire-Rated Poke-Through Covers

Finish	Recessed Cover Catalog Number	TR Recessed Cover* Catalog Number	Furniture Feed Cover** Catalog Number
Brushed Aluminum	**S1R10CVRALU**	**S1R10CVRTRALU**	**S1R10FFCVRALU**
Black Powder Coat	**S1R10CVRBLK**	**S1R10CVRTRBLK**	**S1R10FFCVRBLK**
Brushed Brass Plated	**S1R10CVRBRS**	**S1R10CVRTRBRS**	**S1R10FFCVRBRS**
Antique Bronze Plated	**S1R10CVRBRZ**	**S1R10CVRTRBRZ**	**S1R10FFCVRBRZ**
Gray Powder Coat	**S1R10CVRGRY**	**S1R10CVRTRGRY**	**S1R10FFCVRGRY**
Satin Nickel Plated	**S1R10CVRNKL**	**S1R10CVRTRNKL**	**S1R10FFCVRNKL**

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.
*Tamper-resistant covers ship with (1) S1RTR10BIT Torx-T10 bit.
**(2) 1" NPT plugs for power with (2) 1" to ¾" reducers and (2) 2" NPT plugs for Low Voltage.

SystemOne Recessed 10 Inch Sub-Plates and Bottom Feed Plates

Perimeter Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Available in full or ½ gang plates

Perimeter Sub-Plates - Full Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Style Line® decorator opening **S1R10PSPD**		(1) Duplex opening **S1R10PSPI**		(1) 1.40" opening for simplex or 15A Twist-Lock® **S1R10PSPJ**	
(4) Extron® MAPP openings **S1R10PSPC**		(2) Extron® AAP openings **S1R10PSPA**		(1) 1.60" opening for 20A & 30A Twist-Lock® **S1R10PSPG**	

Perimeter Sub-Plates - 1/2 Gang*

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(2) 20A pre-wired receptacles; 24" lead; one circuit (Supplied with isolated ground sticker) **S1R10PSPZ**		(2) 20A pre-wired receptacles; 25 foot lead; one circuit (Supplied with isolated ground sticker) **S1R10PSPZ25**		(2) 20A pre-wired receptacles; 24" lead; one circuit (Supplied with isolated ground sticker). Marked with "⏱ Controlled" **S1R10PSPZC**		(2) 20A pre-wired receptacles; 25 foot lead; one circuit (Supplied with isolated ground sticker). Marked with "⏱ Controlled" **S1R10PSPZ25C**	
Blank cover plate **S1R10PSPB**		(1) Unit Hubbell iSTATION opening **S1R10PSPF**		(1) VGA/HDMI/DP opening **S1R10PSPH**		(1) XLR opening **S1R10PSPO**	
(2) Extron® MAPP openings **S1R10PSPV**				Perimeter device bracket. **S1R10PSPREPBRKT**			

Note: Rectangle sub-plates are for center compartment, crescent sub-plates are for perimeter compartments and are not interchangeable.
*Requires S1R10PSPREPBRKT.
See page Q-7 for covers, Q-8 for bottom feed plates and Q-10 for accessories.

10 Inch Bottom Feed Plates

1-Gang Center Bottom Feed Plates	Catalog Number
½ inch EMT Feed	**S1R10CBF050**
¾ inch EMT Feed	**S1R10CBF075**
1 inch EMT Feed	**S1R10CBF100**
1¼ inch EMT Feed	**S1R10CBF125**
Blank	**S1R10CBFBLANK**
Pass through	**S1R10CBFPT****

2-Gang Center Bottom Feed Plates	
1½ inch EMT Feed	**S1R10CBF150**
2 inch EMT Feed	**S1R10CBF200**
2½ inch EMT Feed	**S1R10CBF250***

Perimeter Bottom Feed Plates	
½ inch EMT Feed	**S1R10PBF050**
¾ inch EMT Feed	**S1R10PBF075**
1 inch EMT Feed	**S1R10PBF100**
1¼ inch EMT Feed	**S1R10PBF125**
Blank	**S1R10PBFBLANK**
Pass through	**S1R10PBFPT****

S1R10CBF050   **S1R10CBF075**   **S1R10CBF125**   **S1R10CBFBLANK**

S1R10CBF150   **S1R10CBF200**   **S1R10CBF250***

S1R10PBF050   **S1R10PBF100**   **S1R10PBFBLANK**   **S1R10PBFPT**

Note: *Data/AV wiring only.
**Not approved for use in the City of Chicago.
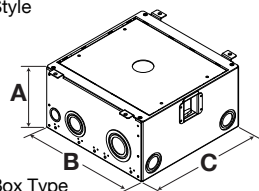*See page Q-36 for technical information.*

Extron® is a registered trademark of Extron Electronics. Crestron® is a registered trademark of Crestron Electronics, Inc. FSR® is a registered trademark of FSR Inc.

ScrubShield®
Complies with UL514A

SystemOne Recessed 10 Inch Sub-Plates

Center Plate Configurations

- 1, 2, 3 and 4 Gang Device Plates
- Accept third party AV devices (i.e. Extron®, Crestron®, FSR®)
- Multi-gang NEMA spaced plates available

Center Sub-Plates - Single Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Style Line® decorator opening **S1R10CSPD**		3 Unit Hubbell iSTATION opening **S1R10CSPL**		(1) Duplex opening **S1R10CSPI**		Blank cover plate **S1R10CSPB**	
(1) XLR opening **S1R10CSPX**		(2) XLR openings **S1R10CSP2X**		(1) 1.40" opening for simplex or 15A Twist-Lock® **S1R10CSPJ**		(1) 1.60" opening for 20A & 30A Twist-Lock® **S1R10CSPG**	
(1) VGA/HDMI/DP opening **S1R10CSPH**		(2) VGA/HDMI/DP openings **S1R10CSP2H**		(4) Extron® MAPP openings **S1R10CSPC**		Ortronics® TracJack®/ Series II® opening **S1R10CSPK**	

Center Sub-Plates - Two Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(2) Style Line® decorator openings NEMA spacing **S1R10CSPM**		Blank cover plate **S1R10CSP2B**		(1) 2.16" opening for 30A & 50A, 3-wire, straight blade receptacle **S1R10CSPE**		(4) Extron® APP openings **S1R10CSPU**	

Center Sub-Plates - Three and Four Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(3) Style Line® decorator openings NEMA spacing **S1R10CSPT**		(4) Style Line® decorator openings **S1R10CSPP**	
(4) Blank cover plate **S1R10CSPQ**		(4) Duplex openings **S1R10CSPR**	

Note: Rectangle sub-plates are for center compartment, crescent sub-plates are for perimeter compartments and are not inter-changeable.
See page Q-7 for covers, Q-8 for bottom feed plates and Q-10 for accessories.

Extron® is a registered trademark of Extron Electronics.
TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.
Crestron® is a registered trademark of Crestron Electronics, Inc.
FSR® is a registered trademark of FSR Inc.

SystemOne Recessed 10 Inch Accessories and Replacement Parts

S1R10PPT

S1R10ADMTBK

S1R10CVRBRUSH

S1R10TUNNEL

10 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	**S1R10PPT***
Abandonment plate, black finish.	**S1R10ADMTBK**
Center divider.	**S1R10CENTERDIV**
Perimeter divider.	**S1R10PERIMDIV**
Egress door brushes (1 Pair).	**S1R10CVRBRUSH**
Perimeter to perimeter wiring tunnel.	**S1R10TUNNEL**
Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector.	**S1FRPTJB**
Perimeter device bracket.	**S1R10PSPREPBRKT**

*Note: *Not UL Listed.*

S1R10CENTERDIV **S1R10FFDIV** **S1R10PSPREPBRKT** **S1FRPTJB** **S1R10INTUMDIV**

10 Inch Replacement Parts

Description	Catalog Number
Intumescent replacement divider.	**S1R10INTUMDIV**
Replacement furniture feed cover dividers (1 pair).	**S1R10FFDIV**
Replacement tamper-resistant Torx-T10 bit.	**S1RTR10BIT***

*Note: *Not UL Listed.*

Capacity, Capability and Versatility

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

SystemOne Fire-Rated Poke-Through and Floor Box Recessed Covers

Two Concrete Floor Applications

Fire-Rated Poke-Throughs are used when the conduits can't be installed in the concrete floor and for tenant improvements.

Floor boxes in concrete applications are used when the connecting conduits can be installed into the concrete floor.

Same Results!

Round low profile durable cover with recessed connections.

ScrubShield®

Complies with UL514A

c U_L us U_L LISTED

Features and Benefits

SystemOne Recessed 8 Inch Fire-Rated Poke-Through Fittings

- Perfect for high capacity multimedia applications where power and low voltage are required
- Maintains concrete floor fire rating up to 2 hours
- Fitting box standard
- For use in the City of Chicago applications, fitting box is NOT included
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements

8 Inch FRPT
with Accessories

FRPT Design
- Step down installation
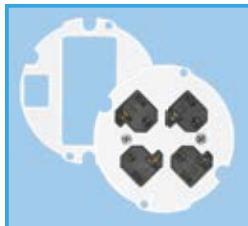- Flexible single or dual service
- Recessed connections

Covers
- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes

Chamber
- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments
- Fixed wiring chambers
- On-site exchangeable center compartment fitting
- Standard ¾-inch EMT

Easy Mount Device Plates
- Multiple, open architecture mounting plates for power, data and AV
- 3 center gangs
- 2 independent perimeter gangs

Safety
- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door

8 Inch Sub-Plate Features
- Center and perimeter plate configurations
- Available in pre-wired 20A duplex receptacles or data/AV plates
- Multiple 20A duplex receptacles can be wired to a common circuit or independently
- NEMA spacing between devices

HUBBELL® *Wiring Device-Kellems*   www.hubbell-wiring.com

SystemOne Recessed 8 Inch Core Hole Kits, for Use In Concrete Floors

Pre-Wired 8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Receptacles feature single circuit wiring

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PTZZ1ALU**
Black Powder Coat	**S1R8PTZZ1BLK**
Brushed Brass Plated	**S1R8PTZZ1BRS**
Antique Bronze Plated	**S1R8PTZZ1BRZ**
Gray Powder Coat	**S1R8PTZZ1GRY**
Satin Nickel Plated	**S1R8PTZZ1NKL**

S1R8PTZZ1NKL

8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1)
- (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PT1ALU**
Black Powder Coat	**S1R8PT1BLK**
Brushed Brass Plated	**S1R8PT1BRS**
Antique Bronze Plated	**S1R8PT1BRZ**
Gray Powder Coat	**S1R8PT1GRY**
Satin Nickel Plated	**S1R8PT1NKL**

Pre-Wired 8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Receptacles feature single circuit wiring

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PTZZ2ALU**
Black Powder Coat	**S1R8PTZZ2BLK**
Brushed Brass Plated	**S1R8PTZZ2BRS**
Antique Bronze Plated	**S1R8PTZZ2BRZ**
Gray Powder Coat	**S1R8PTZZ2GRY**
Satin Nickel Plated	**S1R8PTZZ2NKL**

S1R8PT2BLK

8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2)
- (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PT2ALU**
Black Powder Coat	**S1R8PT2BLK**
Brushed Brass Plated	**S1R8PT2BRS**
Antique Bronze Plated	**S1R8PT2BRZ**
Gray Powder Coat	**S1R8PT2GRY**
Satin Nickel Plated	**S1R8PT2NKL**

Pre-Wired 8 Inch Fire-Rated Poke-Through for Data AV Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with one 2 inch EMT stubs (S1R8JNC3)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Receptacles feature single circuit wiring

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PTZZ3ALU**
Black Powder Coat	**S1R8PTZZ3BLK**
Brushed Brass Plated	**S1R8PTZZ3BRS**
Antique Bronze Plated	**S1R8PTZZ3BRZ**
Gray Powder Coat	**S1R8PTZZ3GRY**
Satin Nickel Plated	**S1R8PTZZ3NKL**

8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3)
- (1) Fitting connection box with (1) 2 inch EMT stubs (S1R8JNC3)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PT3ALU**
Black Powder Coat	**S1R8PT3BLK**
Brushed Brass Plated	**S1R8PT3BRS**
Antique Bronze Plated	**S1R8PT3BRZ**
Gray Powder Coat	**S1R8PT3GRY**
Satin Nickel Plated	**S1R8PT3NKL**

S1R8PTZZ3BRS

Note: xx indicates finish options.

ScrubShield®
Complies with UL514A

c(UL)us (ULc) LISTED

SystemOne Recessed 8 Inch FRPT and Covers, for Use In Concrete Floors

S1R8PTFIT1

S1R8PTFIT2CHI

S1R8PPT

S1R8ADMTBK

S1FRPTJB

S1R8DIV

8 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1FRPTJB box and flexible metal conduit. S1R8JNCxx Series fitting box not included.	**S1R8PTFIT**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1½ inch EMT. (1) S1FRPTJB box and flexible metal conduit.	**S1R8PTFIT1**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT (1) S1FRPTJB box and flexible metal conduit.	**S1R8PTFIT2**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT (1) S1FRPTJB box and flexible metal conduit.	**S1R8PTFIT3**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC1 with (2) 1 inch EMT and (1) 1½ inch EMT. S1FRPTJB box or flexible metal conduit not included.	**S1R8PTFIT1CHI**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT. S1FRPTJB box or flexible metal conduit not included.	**S1R8PTFIT2CHI**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT. S1FRPTJB box or flexible metal conduit not included.	**S1R8PTFIT3CHI**

Note: See page Q-37 for technical information.

Recessed 8 Inch Covers

8 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware.

Finish	Catalog Number
Brushed Aluminum	**S1R8CVRALU**
Black Powder Coat	**S1R8CVRBLK**
Brushed Brass Plated	**S1R8CVRBRS**
Antique Bronze Plated	**S1R8CVRBRZ**
Gray Powder Coat	**S1R8CVRGRY**
Satin Nickel Plated	**S1R8CVRNKL**

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.

8 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	**S1R8PPT***
Abandonment plate, black finish.	**S1R8ADMTBK**
Low voltage replacement divider.	**S1R8DIV**
Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector.	**S1FRPTJB**

*Note: *Not UL Listed.*

Replacement Fitting Boxes

S1R8JNC1

S1R8JNC7

S1R8JNC2

S1R8JNC9

S1R8JNC3

S1R8JNC10

S1R8JNC4

S1R8JNC11

S1R8JNC6

S1R8JNC12

Description	Catalog Number
(1) 1½ inch & (1) 1 inch EMT.	**S1R8JNC1**
(2) 1 inch EMTs.	**S1R8JNC2**
(1) 2 inch EMT.	**S1R8JNC3**
(3) 1 inch EMTs.	**S1R8JNC4**
(1) 1½ inch & (1) 1¼ inch EMT.	**S1R8JNC5**
(2) 1¼ inch EMTs.	**S1R8JNC6**
(1) ¾ inch & (2) 1 inch EMTs.	**S1R8JNC7**
(1) ¾ inch & (1) 1¼ inch EMT.	**S1R8JNC8**
(1) ¾ inch & (2) 1¼ inch EMTs.	**S1R8JNC9**
(1) 1¼ inch & (1) 2 inch EMT.	**S1R8JNC10**
(1) 1½ inch & (1) 2 inch EMT.	**S1R8JNC11**
(3) 1¼ inch EMTs.	**S1R8JNC12**

SystemOne Recessed 8 Inch Sub-Plates

Center Plate Configurations

- Allows for 3 duplexes or up to 18 data/AV jacks. Other combinations possible
- Accepts third party AV devices (i.e. Extron®, Crestron®, FSR®)
- Standard NEMA spacing between devices

Perimeter Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Multiple duplexes can be wired in the supplied junction box or independently

Center Sub-Plates - Single Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
Blank cover plate **S1R8CSPB**		(2) Extron® MAAP openings **S1R8CSPC**	
(1) 1 unit Hubbell iSTATION opening **S1R8CSPD**		(1) 1.5 unit Hubbell iSTATION opening (See section Y for modules) **S1R8CSPE**	
(1) 1.60" opening for 20A & 30A Twist-Lock® **S1R8CSPG**		(1) Duplex opening **S1R8CSPI**	
(1) 1.40" opening for simplex or 15A Twist-Lock® **S1R8CSPJ**		(1) Style Line® decorator opening **S1R8CSPK**	

Perimeter Sub-Plates

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
Blank cover plate **S1R8PSPU**		Single Extron® MAAP opening **S1R8PSPV**	
Pull through with 1" bushing opening **S1R8PSPW**		Single Extron® AAP opening **S1R8PSPX**	
(1) 1 unit Hubbell iSTATION opening (See section Y for modules) **S1R8PSPY**		Dual 20A pre-wired power cubes; one circuit (Supplied with isolated ground sticker) **S1R8PSPZ**	
Dual 20A pre-wired power cubes; one circuit (Supplied with isolated ground sticker); Marked with "⏻ Controlled" **S1R8PSPZC**		**S1R8PSPZ25** (25 foot leads)	

Center Sub-Plates - Two Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
Two gang; (4) Extron® AAP openings **S1R8CSPA**		Two gang; 3 unit Hubbell iSTATION opening (See section Y for modules) **S1R8CSPL**		Two gang; (2) Style Line® Decorator openings **S1R8CSPM**		Two gang; device depth extension collar (for use with 3rd party data up to 2.5" depth) **S1R8CSPEXT**	

Center Sub-Plates - Three Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
Three gang; blank cover plate **S1R8CSPN**		Three gang; device depth extension collar (for use with 3rd party data up to 2.5" depth) **S1R8CSPEXT3**		Three gang extender with two gang opening; device depth extension collar (for use with 3rd party data up to 2.5" depth) **S1R8CSPEXT32**	

Note: Rectangle sub-plates are for center compartment, crescent sub-plates are for perimeter compartments and are not inter-changeable. See page Q-14 for covers and accessories.

Extron® is a registered trademark of Extron Electronics.
Crestron® is a registered trademark of Crestron Electronics, Inc.
FSR® is a registered trademark of FSR Inc.

Fire-Rated Poke-Throughs

Features and Benefits

SystemOne Recessed 6 Inch
Fire-Rated Poke-Through Fittings

- Maintains concrete floor fire rating up to 2 hours
- Junction box standard
- Includes (1) 2 inch data/AV EMT and (1) ¾ inch power EMT
- For use in the City of Chicago applications, junction box is NOT included
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements

6 Inch FRPT
with Accessories

FRPT Design
- Step down installation
- Flexible single or dual service
- Recessed connections

Covers
- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available as recessed or furniture feed
- Available in six architectural finishes

Chamber
- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments divides up to 2.9 inch (73mm) deep
- Adaptable low voltage divider
- 2-inch EMT bottom feed
- ¾-inch EMT bottom feed

Easy Mount Device Plates
- Multiple, open architecture mounting plates for power, data and AV

Safety
- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door

6 Inch Sub-Plate Features 60/40 or 50/50 Device Plate Combinations
- Allows for a wide array of data and AV connectivity with a 20A duplex receptacle
- The two plates can be independently wired

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

ScrubShield®
Complies with UL514A

SystemOne Recessed 6 Inch Core Hole Kits, for Use In Concrete Floors

Pre-Wired 60/40 Split 6 Inch Fire-Rated Poke-Through for Data AV Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (2) Decorator opening sub-plate (S1R6SPW)
- (2) 20A, pre-wired receptacle with 18 inch wire leads (S1R6SPZ)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Receptacles feature single circuit wiring.

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTWZALU**
Black Powder Coat	**S1R6PTWZBLK**
Brushed Brass Plated	**S1R6PTWZBRS**
Antique Bronze Plated	**S1R6PTWZBRZ**
Gray Powder Coat	**S1R6PTWZGRY**
Satin Nickel Plated	**S1R6PTWZNKL**

S1R6PTWZALU

Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell Data AV Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (4) 1 Unit Hubbell iSTATION openings (S1R6SPD)
- (1) Decorator opening and (2) keystone openings (S1R6SPE)
- (4) 20A, pre-wired receptacles (S1R6SPH)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.
Receptacles feature single or two circuit wiring and isolated ground capability.

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTDEHALU**
Black Powder Coat	**S1R6PTDEHBLK**
Brushed Brass Plated	**S1R6PTDEHBRS**
Antique Bronze Plated	**S1R6PTDEHBRZ**
Gray Powder Coat	**S1R6PTDEHGRY**
Satin Nickel Plated	**S1R6PTDEHNKL**

S1R6PTDEHBLK

Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell or Third Party Devices Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (3) Extron® AAP openings (S1R6SPA)
- (5) Extron® MAPP openings (S1R6SPC)
- (1) Decorator opening and (2) Hubbell keystone openings (S1R6SPE)
- (4) 20A, pre-wired receptacles (S1R6SPH)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.
Receptacles feature single or two circuit wiring and isolated ground capability.

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTACEHALU**
Black Powder Coat	**S1R6PTACEHBLK**
Brushed Brass Plated	**S1R6PTACEHBRS**
Antique Bronze Plated	**S1R6PTACEHBRZ**
Gray Powder Coat	**S1R6PTACEHGRY**
Satin Nickel Plated	**S1R6PTACEHNKL**

S1R6PTBRS

6 Inch Fire-Rated Poke-Through with Finished Cover Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTALU**
Black Powder Coat	**S1R6PTBLK**
Brushed Brass Plated	**S1R6PTBRS**
Antique Bronze Plated	**S1R6PTBRZ**
Gray Powder Coat	**S1R6PTGRY**
Satin Nickel Plated	**S1R6PTNKL**

6 Inch Fire-Rated Poke-Through for Furniture Feed Applications Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) 6 inch furniture feed flange and cover assembly (S1R6FFCVRxx)
- (1) 2 inch conduit fitting
- (1) ¾ inch conduit fitting

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTFFALU**
Black Powder Coat	**S1R6PTFFBLK**
Brushed Brass Plated	**S1R6PTFFBRS**
Antique Bronze Plated	**S1R6PTFFBRZ**
Gray Powder Coat	**S1R6PTFFGRY**
Satin Nickel Plated	**S1R6PTFFNKL**

Note: xx indicates finish options.

Extron® is a registered trademark of Extron Electronics.

S1R6PTFFNKL

ScrubShield®
Complies with UL514A

SystemOne Recessed 6 Inch FRPT and Covers, for Use In Concrete Floors

S1R6PTFIT

S1R6PTFITCHI

S1R6PPT

S1R6ADMTBK

S1FRPTJB

S1R6DIV

S1R6SPEXT

S1RFFFIT2

S1RPLUG2ALU

S1RPLUG075ALU

6 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
6 Inch Fire-Rated Poke-Through.	**S1R6PTFIT**
6 Inch Fire-Rated Poke-Through; for use in the City of Chicago.	**S1R6PTFITCHI**

Note: See page Q-36 for technical information.

Recessed 6 Inch Covers

6 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware.

Cover Finish	Catalog Number	Furniture Feed Option
Brushed Aluminum	**S1R6CVRALU**	**S1R6FFCVRALU**
Black Powder Coat	**S1R6CVRBLK**	**S1R6FFCVRBLK**
Brushed Brass Plated	**S1R6CVRBRS**	**S1R6FFCVRBRS**
Antique Bronze Plated	**S1R6CVRBRZ**	**S1R6FFCVRBRZ**
Gray Powder Coat	**S1R6CVRGRY**	**S1R6FFCVRGRY**
Satin Nickel Plated	**S1R6CVRNKL**	**S1R6FFCVRNKL**

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover. Static loads only.

6 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	**S1R6PPT***
Abandonment plate, black finish.	**S1R6ADMTBK**
Low voltage replacement divider.	**S1R6DIV**
Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector.	**S1FRPTJB**
1½ inch extension kit.	**S1R6SPEXT**
Power junction box	**S1FRPTJB2**

*Note: *Not UL Listed.*

Replacement Furniture Feed Fitting

Description	Catalog Number
2 inch furniture feed fitting.	**S1RFFFIT2**

Replacement Plugs

Finish	2 Inch	¾ Inch
Brushed Aluminum	**S1RPLUG2ALU**	**S1RPLUG075ALU**
Black Powder Coat	**S1RPLUG2BLK**	**S1RPLUG075BLK**
Brushed Brass Plated	**S1RPLUG2BRS**	**S1RPLUG075BRS**
Antique Bronze Plated	**S1RPLUG2BRZ**	**S1RPLUG075BRZ**
Satin Nickel Plated	**S1RPLUG2NKL**	**S1RPLUG075NKL**

ScrubShield®
Complies with UL514A
c UL us · ULC LISTED

SystemOne Recessed 6 Inch Sub-Plates, for Use In Concrete Floors

60/40 Device Plate Combination

- Allows for up to twelve data/AV jacks plus a 20A duplex receptacle
- Two plates which can be wired independently

50/50 Device Plate Combination

- Allows for up to eight Hubbell data jacks plus two 20A duplex receptacles
- Two plates which can be wired independently

Left 60% Sub-Plates

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Extron® MAAP opening, (4) Extron® MAAP openings, (1) Extron® MAAP opening, left side only **S1R6SPT***		(2) 1.5 unit Hubbell iSTATION openings, left side only (2) Extron® AAP openings, left side only **S1R6SPU***	
(1) Style Line® decorator and (2) Extron® MAAP openings, left side only **S1R6SPV***		(2) Style Line® decorator openings, left side only **S1R6SPW***	
(1) Style Line® decorator and (2) Extron® AAP openings, left side only **S1R6SPX***		(1) Style Line® decorator and (2) 1.5 unit Hubbell iSTATION openings, left side only (See section Y for modules) **S1R6SPY***	

Right 40% Sub-Plates

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker) **S1R6SPZ**		(2) 20A pre-wired receptacles; 25 foot lead; one circuit, right side only (Supplied with isolated ground sticker) **S1R6SPZ25**	
(2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker); Marked with "⏻ Controlled" **S1R6SPZC**			

Note: Sub-plates can not be rotated to create additional layouts. When assembled, sub-plates can not overlap. Custom plates available upon request and may be subject to minimum order quantity.
*Sub-plates must only be used for Data/AV. Do not mix with power devices. See page Q-18 for covers and accessories.

Left 50% Sub-Plates

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(3) Extron® AAP plate openings, left side only **S1R6SPA**		Blank cover plate, left side only **S1R6SPB**	
(5) Extron® MAAP plate openings, left side only **S1R6SPC**		(4) 1 unit Hubbell iSTATION openings, left side only (See section Y for modules) **S1R6SPD**	
(1) Style Line® decorator and (2) Hubbell keystone openings, left side only **S1R6SPE***		(2) 1.5 unit Hubbell iSTATION openings, left side only (See section Y for modules) **S1R6SPF**	
(3) Extron® MAAP openings and (2) Hubbell keystone jack openings, left side only **S1R6SPL**		(1) Style Line® decorator opening, left side only **S1R6SPM**	
(1) Decorator opening and (2) Ortronics® TracJack® openings, left side only **S1R6SPN**			

Right 50% Sub-Plates

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Duplex device opening, right side only **S1R6SPI**		(1) Style Line® Decorator device opening, right side only **S1R6SPK**	
(1) 1.60" opening for 20A and 30A Twist-Lock®, right side only **S1R6SPG**		(1) 1.40" opening for simplex or 15A Twist-Lock®, right side only **S1R6SPJ**	
(4) 20A pre-wired receptacles; one or two circuits, right side only (Supplied with isolated ground sticker) **S1R6SPH** (16" leads) **S1R6SPH25** (25 foot leads)		(4) 20A pre-wired receptacles; 16" leads; one or two circuits, right side only; Marked with "⏻ Controlled" **S1R6SPHC4** (4 Controlled) **S1R6SPHC2** (2 Controlled)	

Extron® is a registered trademark of Extron Electronics.
TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Fire-Rated Poke-Throughs

Features and Benefits

SystemOne Recessed 4 Inch
Fire-Rated Poke-Through Fittings

- Maintains concrete floor fire rating up to 2 hours
- Junction box standard, 27 cubic inches
- (1) ¾ inch conduit for power and (2) ½ inch conduits for low voltage
- For use in the City of Chicago applications, junction box is NOT included

4 Inch FRPT
with Accessories

FRPT Design
- Step down installation
- Flexible single or dual service
- Recessed connections

Covers
- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes

Chamber
- 3-inch deep user access chamber
- Deep wiring chamber for GFCI and USB devices
- Low voltage dividers
- Perimeter chamber: (2) ½ inch EMTs bottom feed
- Center chamber: (1) ¾ inch EMT bottom feed

Easy Mount Device Plates
- Field configurable device plates
- Multiple, open architecture mounting plates for power, data and AV

Safety
- Low profile flange, 0.15 inch exceeds ADA requirements
- Hide-away egress door folds under cover while in use
- 180° opening of main door

4 Inch Sub-Plate Features
- Sub-plates accept Hubbell keystone jacks
- Third party sub-plates accept Ortronics® TracJack®

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

ScrubShield®
Complies with UL514A

c ULus   ULc LISTED

SystemOne Recessed 4 Inch Core Hole Kits, for Use In Concrete Floors

Pre-Wired, 4 Inch Quad Receptacle Kit, Recessed Connectivity, Fire-Rated Poke-Through for Power Only

Kits include:
- (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT)
- (1) Hubbell pre-wired quad receptacle with mounting plate (S1R4SPQUAD)
- (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx)
- (1) Hubbell Junction box (S1FRPTJB)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R4PTQUADALU**
Black Powder Coat	**S1R4PTQUADBLK**
Brushed Brass Plated	**S1R4PTQUADBRS**
Antique Bronze Plated	**S1R4PTQUADBRZ**
Gray Powder Coat	**S1R4PTQUADGRY**
Satin Nickel Plated	**S1R4PTQUADNKL**

S1R4PTQUADALU

4 Inch Fire-Rated Poke-Through Kit, Recessed Connectivity

Kits include:
- (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT)
- (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx)
- (1) Hubbell Junction box (S1FRPTJB)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R4PTALU**
Black Powder Coat	**S1R4PTBLK**
Brushed Brass Plated	**S1R4PTBRS**
Antique Bronze Plated	**S1R4PTBRZ**
Gray Powder Coat	**S1R4PTGRY**
Satin Nickel Plated	**S1R4PTNKL**

Note: xx indicates finish options.

S1R4PTBRS

SystemOne Recessed 4 Inch FRPT and Covers, for Use In Concrete Floors

4 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
4 Inch FRPT includes: Junction box and low voltage dividers.	**S1R4PTFIT**
4 Inch FRPT includes: Low voltage dividers, junction box NOT included.	**S1R4PTFITCHI**
4 Inch FRPT includes: Quad sub-plate and junction box.	**S1R4PTQUAD**

Note: See page Q-22 for sub-plates and accessories.
See page Q-39 for technical information.

S1R4PTFIT
S1R4PTFITQUAD

Recessed 4 Inch Covers

Single fold under cable egress door. Unit includes solid cast aluminum construction, carpet gasket and mounting hardware.

S1R4PTFITCHI

Cover Finish	Catalog Number
Brushed Aluminum	**S1R4CVRALU**
Black Powder Coat	**S1R4CVRBLK**
Brushed Brass Plated	**S1R4CVRBRS**
Antique Bronze Plated	**S1R4CVRBRZ**
Gray Powder Coat	**S1R4CVRGRY**
Satin Nickel Plated	**S1R4CVRNKL**

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.

SystemOne Recessed 4 Inch Sub-Plates and Accessories

The 4 Inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch exceeds ADA requirements and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant.

Device Mounting Plates

Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate
2X2 Sub-plate with (1) Style Line® decorator device opening and (2) keystone jack openings **S1R4SP2X2STYLE**		(1) Style Line® decorator device opening for power or datacom applications **S1R4SPSTYLE**		2X2 Sub-plate with (1) Style Line® decorator device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2STYLETJ**	
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings **S1R4SP2X2DUPLEX**		(1) Duplex device opening for power or datacom applications **S1R4SPDUPLEX**		2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2DUPLEXTJ**	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12" wire leads **S1R4SPQUAD**		(1) 1.60" opening for 20A or 30A Twist-Lock® receptacle **S1R4SPTWIST**		(1) 1.40" opening for simplex receptacle **S1R4SPSIMPLEX**	

Note: See section Y for data jacks and frames.

For low light applications (i.e. under tables or podiums) consider using Hubbell's LED illuminated receptacles: HBL8200ILW 15A, LED or HBL8300ILW 20A, LED.

HBL8300ILW

S1R4FRPTADMTBK

S1R4PPT

S1R4DIV

4 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	**S1R4PPT***
Abandonment plate, black finish.	**S1R4FRPTADMTBK**
Low voltage replacement divider.	**S1R4DIV**

*Note: *Not UL Listed.*

Design Solutions for:

Retail, Cafeterias, Commercial Office Space, Mass Transit Hubs, Education.

Tile   Carpet   Terrazzo

For Technical files, including BIM models, CAD files and Customer drawings, please visit www.hubbell-wiring.com under the Technical tab.

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Features and Benefits

SystemOne Recessed 4 Inch Furniture Feed Fire-Rated Poke-Through Fittings

• Excellent solution for retrofit and new construction

• Maintains concrete floor fire rating up to 4 hours

• One ¾ inch conduit for power and one 1½ inch conduit for low voltage

• Junction box standard, 27 cubic inches

• For use in the City of Chicago, junction box is NOT included

4 Inch Furniture Feed
FRPT with Accessories

FRPT Design

• Step down installation

• Flexible single or dual service

• Adjustable lower fire barrier accommodates concrete floor thicknesses from 2¼ to 7 inch

Cover Construction

• Durable die-cast aluminum cover

• 1,000 lbs, static load rated cover

• Available in six architectural finishes

Chambers

• Fittings include removable metallic low voltage divider

• Cover hubs in-line with fitting EMT conduits for easy wiring

• (1) 1½ inch EMT conduit for low voltage

• (1) ¾ inch EMT conduit for power

Furniture Feed Cover Design

• Seamless one piece design

• (1) 1½ inch EMT conduit for low voltage

• (1) ¾ inch EMT conduit for power

• 5½ inch diameter flange

Safety

• Low profile flange, 0.15 inch exceeds ADA requirements

• UL514A scrubwater compliant

Application Compatibility

• Hubbell PolyTuff® I conduits

• Hubbell SwivelLok® fittings

• Metallic/Non-metallic liquidtight fittings

ScrubShield®
Complies with UL514A

c(UL)us (ULC) LISTED

SystemOne Furniture Feed 4 Inch Core Kits, Covers and Accessories

S1R4PTFFALU

SystemOne Furniture Feed 4 Inch Core Kits, Use In Concrete Floors

Fire-Rated Poke-Through, Furniture Feed Flush Connectivity	Cover Finish	Catalog Number
Kits Include: (1) Hubbell SystemOne 4 Inch flush furniture feed fitting (S1R4PTAVFIT) (1) Hubbell SystemOne 4 Inch flush furniture feed activation cover (S1R4CVRxx)	Brushed Aluminum Black Powder Coat Brushed Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	**S1R4PTFFALU** **S1R4PTFFBLK** **S1R4PTFFBRS** **S1R4PTFFBRZ** **S1R4PTFFGRY** **S1R4PTFFNKL**
Fire-Rated Poke-Through, Furniture Feed Flush Connectivity	**Cover Finish**	**Catalog Number**
Kits Include: (1) Hubbell SystemOne 4 Inch flush furniture feed fitting (S1R4PTAVFIT) (1) Hubbell SystemOne 4 Inch flush furniture feed activation cover (S1R4CVRxx) (1) Hubbell Junction Box (S1FRPTJB)	Brushed Aluminum Black Powder Coat Brushed Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	**S1R4PTFFALUJ** **S1R4PTFFBLKJ** **S1R4PTFFBRSJ** **S1R4PTFFBRZJ** **S1R4PTFFGRYJ** **S1R4PTFFNKLJ**

S1R4PTFFBLKJ

SystemOne Furniture Feed 4 Inch FRPT and Covers, Use In Concrete Floors

4 Inch Furniture Feed Fire-Rated Poke-Throughs

Description	Catalog Number
4 Inch FRPT Includes: low voltage divider, junction box NOT included	**S1R4PTAVFIT**
4 Inch FRPT Includes: low voltage divider and junction box	**S1R4PTAVFITJ**

S1R4PTAVFIT

Flush 4 Inch Furniture Feed Covers

One piece cover solid cast aluminum construction with (1) 1½" hub for low voltage and (1) ¾" hub for power. Liquid-tight fittings not included.

Cover Finish	Catalog Number
Brushed Aluminum	**S1R4FFCVRALU**
Black Powder Coat	**S1R4FFCVRBLK**
Brushed Brass Plated	**S1R4FFCVRBRS**
Antique Bronze Plated	**S1R4FFCVRBRZ**
Gray Powder Coat	**S1R4FFCVRGRY**
Satin Nickel Plated	**S1R4FFCVRNKL**

S1R4PTAVFITJ

Note; COVER LOAD RATING: 1,000 lbs. with 2x safety factor. Load applied through a 3" (76mm) dia. Mandrel at the center of cover without fittings installed. Rated for static loads only.

4 Inch Furniture Feed Accessories

Description	Catalog Number
Pre-pour tube, includes mounting hardware.	**S1R4PPT***
Abandonment plate, black finish.	**S1R4FFADMTBK**

*Note: *Not UL Listed.*

S1R4PPT

S1R4FFADMTBK

Fire-Rated Poke-Throughs

Products at a Glance

Featuring the innovative SystemOne product line, Hubbell's offering of Fire-Rated Poke-Throughs (FRPT) products provide installers with a broad range of options to support a wide array of connections. Hubbell SystemOne flush FRPTs install in a 4 inch core hole and provide users the flexibility to create personal solutions for their most demanding applications.

Hubbell SystemOne Flush FRPTs for 4 Inch Concrete Core Hole Applications…

Multi-Service Applications

This Hubbell SystemOne sub-plate incorporates two Style Line® rectangular openings. These can be used for a variety of power and/or data applications. It will accommodate 15 or 20 amp, standard, isolated ground, GFCI or surge protected receptacles. Using communication frames it can provide up to a 6-port multi-service or a 12-port all communication solution.

Multimedia Applications

Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio and video markets. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series AV modules.

4X4 Applications

Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for Hubbell's Snap Fit, flush mount modular jacks and AV connectors.

Traditional Hubbell FRPTs for 3 Inch and 2 Inch Concrete Core Hole Applications…

Flush Applications

Hubbell offers a variety of single and multi-service flush fire-rated poke-through products. It incorporates a Hubbell Style Line®, 20 amp, duplex receptacle and two Hubbell Category 6 data jacks. The jacks mount flush to the cover for an unobtrusive appearance. Various colors and all brass versions are available.

Pedestal Applications

Hubbell offers single and multi-service pedestal style FRPTs for those applications requiring above-the-floor connections. Available in 2, 4 or 6-gang sizes, pedestal FRPTs provide more power and low voltage connections to the desktop than most flush configurations in a 3 Inch core hole.

Furniture Feed Applications

Hubbell offers single and multiple service flush and pedestal style FRPTs that deliver power and voice/data cabling to feed furniture systems. Various models can feed up to 2 inch conduit and can accommodate up to 36 Category 5e data cables.

Extron® is a registered trademark of Extron Electronics.

Features and Benefits

SystemOne Flush 4 Inch Core Through Floor Fittings

- Step down installation clips allow the fitting to be installed or removed from the floor above
- Fire barrier expands during fire conditions to maintain the floor's fire rating
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2¼ to 7 inch
- Oversized EMT conduit tubes for increased cable capacity

Features

- Accepts all Hubbell SystemOne universal covers and flush sub-plates
- Excellent solution for retrofit and new construction
- Delivers power, voice, data and multimedia
- UL listed for use in 1 – 4 hour fire rated floors at 100% rated fill
- Available with integral power junction box
- SystemOne Fire-Rated Poke-Throughs are approved for use in the City of Chicago
- UL installation spacing - minimum 2 feet on center, not more than one per 65 square feet of floor area in each span

Universal Flange and Cover Assembly

Carpet   Tile

- Hinged doors open 180 degrees flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Fire-Rated Poke-Throughs and Floor Boxes
- Finishes and colors available:

Aluminum Finish   Brass Finish   Black   Gray   Ivory

Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA requirements for accessible design

Hubbell SystemOne Flush Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, additions and changes. See page Q-27 for additional information.

4x4 Sub-Plate

Datacom and Power Sub-Plate

Extron® APP/MAPP and Power Sub-Plate

Dual Style Line® Decorator Sub-Plate

Twist-Lock® Sub-Plate

Furniture Feed Cover, Carpet

Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series AV system integration products
- Accommodates GFCI, surge and standard Style Line® Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

Extron® is a registered trademark of Extron Electronics. Siemon™ is a trademark of The Siemon Company. Panduit® is a registered trademark of Panduit Corp. SYSTIMAX® is a registered trademark of CommScope, Inc. Ortronics® is a registered trademark of Ortronics/Legrand.

SystemOne Flush Systems 4 Inch Core Hole One-Piece Units, for Use In Concrete Floors

Hubbell SystemOne 4 Inch Core Hole, One-Piece Units

All Hubbell SystemOne 4 Inch core, one-piece units include the sub-plate and cover to simplify your order and reduce installation time. Units are also available with a power junction box installed. The junction box is also available for purchase separately.

Description	Color	Catalog Number without Junction Box	Catalog Number with Junction Box*
One-Piece 4X4 Poke-Through Assembled-unit includes: • Hubbell SystemOne 4X4 floor fitting (S1PT4X4FIT) • 4x4 sub-plate (S1SP4X4) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification Keystone openings accept Hubbell modular jacks, X-END connectors and flush multimedia snap fit connectors. Receptacles feature single or two circuit wiring and isolated ground capability.	Aluminum Finish Brass Finish Black/Brass Finish Black Gray	**S1PT4X4AL** **S1PT4X4BRS** **S1PT4X4BRS3** **S1PT4X4BL** **S1PT4X4GY**	**S1PT4X4ALJ** **S1PT4X4BRSJ** **S1PT4X4BRS3J** **S1PT4X4BLJ** **S1PT4X4GYJ**
One-Piece Dual Style Line® Decorator Poke-Through Assembled-unit includes: • Hubbell SystemOne dual channel floor fitting (S1PTFIT) • Dual Style Line® decorator opening sub-plate (S1SP) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification Style Line® decorator openings accept two Style Line® decorators or one surge or GFCI receptacle and one Style Line® decorator receptacle. Outlet frames can be used to convert the application to a 6-port multi-service or a 12-port all communication solution. Fitting is 4-hr rated at 100% fill to accommodate (12) Cat. 6A cables (0.330" diameter).	Aluminum Finish Brass Finish Black Gray	**S1PTAL** **S1PTBRS** **S1PTBL** **S1PTGY**	**S1PTALJ** **S1PTBRSJ** **S1PTBLJ** **S1PTGYJ**
One-Piece Modular AV Poke-Through Assembled-unit includes: • Hubbell SystemOne AV floor fitting (S1PTAVFIT) • 20A, 125V power and 3-unit Hubbell iSTATION sub-plate (S1SP3IM) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification The Hubbell iSTATION's recessed opening can accommodate data/voice/audio and video solutions including 15-pin VGA, RCA, S-Video, 3.5mm stereo, X-END, HDMI and XLR microphone jacks.	Aluminum Finish Brass Finish Black Gray	**S1PT3IMAL** **S1PT3IMBRS** **S1PT3IMBL** **S1PT3IMGY**	**S1PT3IMALJ** **S1PT3IMBRSJ** **S1PT3IMBLJ** **S1PT3IMGYJ**
One-Piece Furniture Feed Poke-Through Assembled-unit includes: • Hubbell SystemOne AV floor fitting (S1PTAVFIT) • Hubbell SystemOne furniture feed cover plate (S1SPFFxx) • 4-hour fire classification This solution provides one ¾ in. conduit for power and one 1½ in. conduit for low-voltage. Furnished with two screw-in flexible metal conduit connectors.	Aluminum Finish Brass Finish Black Gray	**S1PTFFAL** **S1PTFFBRS** **S1PTFFBL** **S1PTFFGY**	**S1PTFFALJ** **S1PTFFBRSJ** **S1PTFFBLJ** **S1PTFFGYJ**

S1PT4X4BLJ

S1PTAL

S1PT3IMAL

S1PTFFGY

*Note: *Junction box factory installed on through floor fitting. See pages Q-40 and Q-41 for technical information.*

ScrubShield®
Complies with UL514A

c (UL) us   (ULC) LISTED

SystemOne Flush Systems 4 Inch Core Hole Three-Piece Units, for Use In Concrete Floors

Hubbell SystemOne 4 Inch Core, Three-Piece Units

S1PT4X4FITJ

S1PTFIT

S1PTAVFIT

Description		Catalog Number without Junction Box	Catalog Number with Junction Box*
4X4 Through Floor Fitting Through floor fitting with two ¾ in. EMT for communications and one ¾ in. EMT for power. For use with Hubbell SystemOne universal covers and S1SP4X4 and S1SPTL series sub-plates only. Universal cover and sub-plate ordered separately. 4-hour fire classification.		**S1PT4X4FIT**	**S1PT4X4FITJ**
Dual Channel Through Floor Fitting Through floor fitting with two 1 in. EMT conduit stems to feed power and/or communication services. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification.		**S1PTFIT**	**S1PTFITJ**
AV Through Floor Fitting Through floor fitting with one ¾ in. EMT conduit stem for power and one 1½ in. EMT conduit stem for communication services. Ideal for demanding, high capacity AV and data requirements. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification.		**S1PTAVFIT**	**S1PTAVFITJ**

*Note: *Junction box factory installed on through floor fitting. See pages Q-40 and Q-41 for technical information.*

Hubbell SystemOne Universal Cover

- Cast aluminum construction
- Durable powder coat finish

Finish/Color	Carpet	Tile
Aluminum Finish	**S1CFCAL**	**S1TFCAL**
Brass Finish	**S1CFCBRS**	**S1TFCBRS**
Black	**S1CFCBL**	**S1TFCBL**
Gray	**S1CFCGY**	**S1TFCGY**
Ivory	**S1CFCI**	**S1TFCI**

Aluminum Finish   Brass Finish   Black   Gray   Ivory

Poke Through Accessories

Description	Color	Catalog Number
Abandonment Plates Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes.		
	Black	**S1AP4BL**
	Gray	**S1AP4GY**
Fire-Rated Closure Plug Used to seal a 4 Inch core hole when the FRPT is no longer required and the through-floor fitting is removed. Maintains the floor's 1–4 hour fire rating.		
	Black	**S1FRP4BL**
	Gray	**S1FRP4GY**
Power Junction Box For use with SystemOne Fire-Rated Poke-Throughs. Provides 27.0 cubic inches. (1) ¾ and (1) 1" EMT connector supplied. Trade size knockouts: Top (1) 1 inch Bottom (1) ¾ inch Sides (2) ½ inch (1) ¾ inch		**S1FRPTJB**
4 Inch Dia., Pre-Pour Tube Includes hardware.		**S1R4PPT***

*Note: *Not UL Listed.*

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.steveneng.com

SystemOne Flush Sub-Plates

Description	Catalog Number	Description	Catalog Number	Description	Catalog Number
Style Line® Decorator/GFCI (2) Style Line® decorator openings for power and/or datacom applications.	**S1SP**	**Duplex/Duplex** (2) Duplex openings for power and/or datacom applications.	**S1SPDU**	**Duplex/Style Line® Decorator** (1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications.	**S1SPDUSL**
Hubbell 4 X 4 (4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability. Includes ⏻ stickers.	**S1SP4X4** **S1SP4X4C**	**Carpet Furniture Feed Cover/Flange*** (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes carpet flange.		**Tile Furniture Feed Cover/Flange*** (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes tile flange.	
Provided with 15 ft. wire leads Provided with 30 ft. wire leads	**S1SP4X415** **S1SP4X430**	Aluminum Fin. Brass Finish Black Gray	**S1SPFFAL** **S1SPFFBRS** **S1SPFFBL** **S1SPFFGY**	Aluminum Fin. Brass Finish Black Gray	**S1SPFFTAL** **S1SPFFTBRS** **S1SPFFTBL** **S1SPFFTGY**
Single Receptacle + Data Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors.	**S1SPTL**	**Hubbell DataCom + Power** (1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. Marked with "⏻ Controlled"	**S1SP3IM** **S1SP3IMC**	**Hubbell DataCom + Duplex** (1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.	**S1SPDU2IM**
Hubbell DataCom + Style Line® Decorator (1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.	**S1SPSL2IM**	**Hubbell DataCom** 1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.	**S1SP4IM**	**Active Multimedia + Power** Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames. Marked with "⏻ Controlled"	**S1SPAMM20** **S1SPAMM20C**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates. Marked with "⏻ Controlled"	**S1SPEXT1** **S1SPEXT1C**	**Extron® or FSR + Power** (1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. Marked with "⏻ Controlled"	**S1SPEXT2** **S1SPEXT2C**	**Extron® or FSR Single-Service** Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.	**S1SPEXT3**
Extron® AAP + Power (1) 20A, 125V receptacle. (2) flush Keystone & recessed opening for (2) single Extron® AAP Series adapter plates. Marked with "⏻ Controlled"	**S1SPEXT4** **S1SPEXT4C**	**Ortronics Series II® + Power** (1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules. Marked with "⏻ Controlled"	**S1SPORT** **S1SPORTC**	**Ortronics TracJack® + Power** (1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules. Marked with "⏻ Controlled"	**S1SPTRAC** **S1SPTRACC**
Panduit Mini Com® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity. Includes ⏻ stickers.	**S1SP4X4PA** **S1SP4X4PAC**	**SYSTIMAX® 4 X 4** (4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity. Includes ⏻ stickers.	**S1SP4X4SYS** **S1SP4X4SYSC**	**Siemon MAX® + Power** (1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules. Marked with "⏻ Controlled"	**S1SPMAX** **S1SPMAXC**

Note: *Furnished with two screw-in flexible metal conduit connectors. See Network Wiring section for complete offering of Hubbell jacks, frames and datacom accessories. See page Q-30 for FRPT Configuration Chart.

Sub-Plate Accessories

Description				Description	Catalog Number	
Replacement Threaded Conduit Plugs Used with **S1SPFFx** and **S1SPFFTx** only. Sub-plate is supplied with plugs.				Replacement for **S1SPMAX.** Sub-plate is supplied with data frame. Works with Siemon MAX®.	**S1DFMAX**	
				Replacement for **S1SPTRAC** sub-plate. Sub-plate is supplied with data frame. Works with Ortronics TracJack®.	**S1DFTRAC**	
Color	1½" Plug	¾" Plug		Blank Style Line® decorator frame, Black.	**NS620BK**	
Aluminum Finish	**S1FP15AL**	**S1FP34AL**		2-Port Style Line® decorator frame, Black.	**ISF2BK**	
Brass Finish	**S1FP15BRS**	**S1FP34BRS**		4-Port Style Line® decorator frame, Black.	**ISF4BK**	
Black	**S1FP15BL**	**S1FP34BL**		6-Port Style Line® decorator frame, Black.	**ISF6BK**	
Gray	**S1FP15GY**	**S1FP34GY**				

Extron® is a registered trademark of Extron Electronics. MAX® is a registered trademark of The Siemon Company. Mini-Com® and Scrubit® are registered trademarks of Panduit Corp. SYSTIMAX® is a registered trademark of CommScope, Inc. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

SystemOne Flush Configuration Chart			Floor Boxes*						4" Core Hole Fire-Rated Poke-Throughs		
			Non-Metallic	Metal							
Approved for use in the City of Chicago. (except S1PFB) Sub-Plates			S1PFB	S1CFB	S1SFB	S1SFBCR	S1SFBAV	S1SFBAVCR	S1PTFIT	S1PT4X4FIT	S1PTAVFIT
S1SP	Style Line® Decorator/GFCI		③	③˙⁵	③˙⁵	③˙⁵	③˙⁵	③˙⁵	✔+	✗	✔
S1SPDU	Duplex/Duplex		③	③˙⁵	③˙⁵	③˙⁵	③˙⁵	③˙⁵	✔+	✗	✔
S1SPDUSL	Duplex/Style Line® Decorator		③	③˙⁵	③˙⁵	③˙⁵	③˙⁵	③˙⁵	✔+	✗	✔
S1SP4X4 S1SP4X4PA S1SP4X4SYS	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4		④	④	④	④	④	④	✗	✔+	✗
S1SP4X4C S1SP4X4PAC S1SP4X4SYSC	Marked with "🕐 Controlled"										
S1SPTL	Twist-Lock® Receptacle + Data		④	④	④	④	④	④	✗	✔+	✗
S1SP3IM	Hubbell DataCom + Power		⑤	⑤	⑤	⑤	⑤	⑤	✔	✗	✔+
S1SP4IM	Hubbell DataCom		③˙⁵	③˙⁵	③˙⁵	③˙⁵	③˙⁵	③˙⁵	✔	✗	✔+
S1SPDU2IM	Hubbell DataCom + Duplex		⑤	⑤	⑤	⑤	⑤	⑤	✔	✗	✔+
S1SPSL2IM	Hubbell DataCom + Style Line® Decorator		⑤	⑤	⑤	⑤	⑤	⑤	✔	✗	✔+
S1SPFFxx (Carpet) **S1SPFFTxx** (Tile)	Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).		③	③˙⁵	③˙⁵	③˙⁵	③˙⁵	③˙⁵	✔	✗	✔+
S1SPEXT1 **S1SPEXT1C**	Extron® or FSR + Power Marked with "🕐 Controlled"		④	④	④	④	④	④	✔	✗	✔+
S1SPEXT2 **S1SPEXT2C**	Extron® or FSR + Power Marked with "🕐 Controlled"		④	④	④	④	④	④	✔	✗	✔+
S1SPEXT3	Extron® or FSR Single-Service		④˙⁵	④˙⁵	④˙⁵	④˙⁵	④˙⁵	④˙⁵	✔	✗	✔+
S1SPEXT4 **S1SPEXT4C**	Extron® or FSR + Power Marked with "🕐 Controlled"		④	④	④	④	④	④	✔	✗	✔+
S1SPORT **S1SPORTC**	Ortronics Series II® + Power Marked with "🕐 Controlled"		⑤	⑤	⑤	⑤	⑤	⑤	✔	✗	✔+
S1SPTRAC **S1SPTRACC**	Ortronics TracJack® + Power Marked with "🕐 Controlled"		⑤	⑤	⑤	⑤	⑤	⑤	✔	✗	✔+
S1SPMAX **S1SPMAXC**	Siemon MAX® + Power Marked with "🕐 Controlled"		⑤	⑤	⑤	⑤	⑤	⑤	✔	✗	✔+
S1SPAMM20 **S1SPAMM20C**	Active Multimedia + Flush Keystone + Power Marked with "🕐 Controlled"		⑤	⑤	⑤	⑤	⑤	⑤	✔	✗	✔+
S1CFCxx (Carpet) **S1TFCxx** (Tile)	SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).		◯ Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.						✔+ Recommended Floor Fitting	✔ Alternative Floor Fitting	✗ Not Compatible

Extron® is a registered trademark of Extron Electronics. MAX® is a registered trademark of The Siemon Company. Mini-Com® and Panduit® are registered trademarks of Panduit Corp. SYSTIMAX® is a registered trademark of CommScope, Inc. TracJack®, Series II® & Ortronics® are registered trademarks of Ortronics/Legrand.

ScrubShield®
Complies with UL514A

c UL us   UL c LISTED

Traditional Flush 2X2 FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

2X2 Flush FRPT, One-Piece Units (PT2X2FIT)

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
2X2 Poke-Through Non-metallic Cover	Black/Aluminum	PT2X2ALU3	2X2 Poke-Through	Black/Brass	PT2X2BRS3
	Black/Aluminum	PT2X2IGALU3		Brass Finish/Brass	PT2X2BRS
	Black	PT2X2BL		Black/Brass	PT2X2IGBRS3*
	Gray	PT2X2GY		Brass Finish/Brass	PT2X2IGBRS*
	Black	PT2X2IGBL*			
	Gray	PT2X2IGGY*			

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Painted or brushed aluminum flange
- Approved for use in the City of Chicago

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Solid brass flange
- Approved for use in the City of Chicago

*Note: *Includes pre-wired 20A isolated ground Style Line® decorator duplex receptacle.*

2X2 Flush FRPT, Two-Piece Units

Description	Catalog Number
Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem with junction box for power and (2) ½ in. EMT stems for low voltage.	PT2X2FIT

Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area
- Approved for use in the City of Chicago

Service Fittings

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
2X2 Service Fitting Non-metallic Cover/ Aluminum Flange	Black/Aluminum	PT2X2SFALU3	2X2 Service Fitting Non-metallic Cover/ Brass Flange	Black/Brass	PT2X2SFBRS3
	Black	PT2X2SFBL		Brass Finish/Brass	PT2X2SFBRS
	Gray	PT2X2SFGY			

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Painted or brushed aluminum flange

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Solid brass flange

Accessories

Description	Color/Material	Catalog Number	Description	Color/Material	Catalog Number
Non-metallic Replacement Covers	Brass Finish	PT2X2CBRS	Closure Plug Textured aluminum plug seals 3 in. core hole when FRPT is no longer required and is removed. Maintains the floor's 1 – 4 hour fire rating. UL Listed and CSA Certified.	Gray	FRP250
	Black	PT2X2CBL			
	Gray	PT2X2CGY			

Note: See page Q-43 for technical information.

Traditional Flush Duplex FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

Flush Duplex FRPT, One-Piece Units

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
Flush Poke-Through	Black	**PT7FSDBLA**	Flush Brass Poke-Through	All Brass	**PT7FSDBRS2A**
	Brown	**PT7FSDBRA**		Black/Brass	**PT7FSDBRS3A**
	Gray	**PT7FSDGYA**		All Brass	**PT7IGFSDBRSA***
	Ivory	**PT7FSDIA**			
	Gray	**PT7IGFSDGYA***			
	Ivory	**PT7IGFSDIA***			

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Non-metallic flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Painted aluminum flange

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- All brass or black non-metallic cover option
- Flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Solid brass flange

*Note: *Includes pre-wired 20A isolated ground duplex receptacle.*

Flush FRPT, Two-Piece Units

Description	Catalog Number
Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage feed-through holes.	**PT7FSD** (with Junction Box) **PT73SD** (without Junction Box)

Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area

Service Fittings

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
Flush Aluminum Service Fitting	Black	**FRFBLA**	Flush Brass Service Fitting	Solid Brass	**FRFBRS2A**
	Brown	**FRFBRA**			
	Gray	**FRFGYA**			
	Ivory	**FRFIA**			

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Non-metallic flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Painted aluminum flange

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Solid brass flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Solid brass flange

Accessories

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
Non-metallic Replacement Covers	Black	**PFBRCBLA**	All Brass Replacement Covers	Solid Brass	**BRS2RCA**
	Brown	**PFBRCBRA**			
	Gray	**PFBRCGYA**			
	Ivory	**PFBRCIA**			

Note: See page Q-35 for 3 Inch FRPT accessories.
See page Q-43 for technical information.

ScrubShield®
Complies with UL514A

Traditional Flush Furniture Feed FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

Large Capacity, Single-Service Flush Furniture Feed FRPT, Two-Piece Units

Description	Catalog Number	Description	Color/Material	Catalog Number
Large Capacity, Single-Service Through Floor Fitting with (1) 2 in. EMT stem. Will accommodate up to 36 Category 6 cables.	**PT2FIT**	Large Capacity Cover/Flange	Brass Finish Black Gray	**FF2BRS** **FF2BK** **FF2GY**

Specifications:
- 1- to 2-hour fire rating
- Single-Service, Power or Data
- For 2¼ to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area
- Approved for use in the City of Chicago

Specifications:
- Cover/flange with 1¼ in. and 2 in. trade size combination knockout
- Painted aluminum cover and flange
- Approved for use in the City of Chicago

Note: See page Q-44 for technical information.

Flush Furniture Feed FRPT, One-Piece Units

Description	Color	Catalog Number	Description	Color	Catalog Number
3-Service Furniture Feed Poke-Through	Black Gray Ivory	**PT73FFSDBK** **PT73FFSDGY** **PT73FFSDI**	Single-Service Furniture Feed Poke-Through	Black Gray Ivory	**—** **PT7FFSDGY** **PT7FFSDI**

Complete assembled unit includes:
- PT73SD floor fitting
- Aluminum cover with (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power
- Painted aluminum flange

Complete assembled unit includes:
- PT71SD floor fitting
- Aluminum cover with (1) KO to accept a ¾ in. connector
- Painted aluminum flange

Note: See page Q-44 for technical information.

Flush Furniture Feed FRPT, Two-Piece Units

Description	Catalog Number	Description	Catalog Number
3-Service Furniture Feed Through-Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage conduit holes.	**PT73SD**	Single-Service Furniture Feed Through-Floor Fitting with (1) ¾ in. EMT stem for power or low voltage applications.	**PT71SD**

Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)

Specifications:
- For 2¼ to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area

Service Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
3-Service Furniture Feed Service Fitting	Black Gray Ivory	**FRF3BK** **FRF3GY** **FRF3I**	Single-Service Furniture Feed Service Fitting	Brass Finish Black Gray	**FRF1BRS** **FRF1BK** **FRF1GY**

Complete assembled unit includes:
- Aluminum cover with (2) ½ in threaded hubs for low voltage and (1) ¾ in. threaded hub for power
- Painted aluminum flange

Complete assembled unit includes:
- Aluminum cover with (1) KO to accept a ¾ in. connector
- Painted aluminum flange

Note: See page Q-35 for 3 Inch FRPT accessories.
See page Q-44 for technical information.

Painted Pedestal FRPT 2 and 3 Inch Core Hole Units, for Use In Concrete Floors

3 Inch Core Hole, Two-Piece Unit

Description	Catalog Number
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1¼ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications.	**PT7XC**

Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- Approved for use in the City of Chicago

2 Inch Core Hole, Two-Piece Unit

Description	Catalog Number
Multi-Service Pedestal Through-Floor Fitting with (1) ¾ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications.	**PT27A**

Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- Approved for use in the City of Chicago

Note: See page Q-45 for technical information.

Pedestal Service Fittings (Order 1 plate per gang)

Description	Color/Material	Catalog Number	Description	Color	Catalog Number	Description	Color	Catalog Number
2-Gang	Alum. Finish Black Gray	**FR280ALA** **FR280BKA** **FR280GYA**	4-Gang	Black Gray	**FR480BKA** **FR480GYA**	6-Gang	Black Gray	**FR680BKA** **FR680GYA**
Use with PT27A only.			Use with PT27A or PT7XC.			Use with PT27A or PT7XC.		

FR280BKA	**FR480GYA**	**FR680BKA**

- Painted aluminum housing with low voltage barrier(s); plates and devices sold separately
- For additional barriers, use **FRBR1**, see page Q-33.
- UL Listed and CSA Certified

Note: See page Q-45 for technical information.

Pedestal Face Plates (Order 1 plate per gang)

Description	Color/Material	Catalog Number		Description	Color/Material	Catalog Number	
Duplex	Black Gray	**SS2309DBKA** **SS2309DGYA**		Furniture feed (¾ in. KO)	Alum. Finish Black Gray	**SS2309FALA** **SS2309FBKA** **SS2309FGYA**	
Style Line®/ GFCI	Black Gray	**SS2309SLBKA** **SS2309SLGYA**		Furniture feed (1 in. KO)	Black Gray	**SS2309F1BKA** **SS2309F1GYA**	
Single receptacle (1.39 in. OD)	Black Gray	**SS2309SBKA** **SS2309SGYA**		Bushed data opening (1 in. ID)	Black Gray	**SS2309TBKA** **SS2309TGYA**	
Blank	Alum. Finish Black Gray	**SS2309BALA** **SS2309BBKA** **SS2309BGYA**					

- Painted aluminum plates
- UL Listed and CSA Certified

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Brushed Aluminum Pedestal FRPT 3 Inch Core Hole Two-Piece Units, for Use In Concrete Floors

Through-Floor Fitting

Description	Catalog Number
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1¼ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications.	**PT7XC**

Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design).
- For 2¼ in. to 7 in. floor thickness.
- Approved for use in the City of Chicago.

Pedestal Service Fitting

Description	Color/Material	Catalog Number
2-Gang Pedestal Service Fitting For use with PT7XC only.	Brushed Aluminum	**FR80AL**

Specifications:
- Brushed aluminum housing with low voltage barrier. Plates and devices sold separately.

Note: See pages Q-45 and Q-46 for technical information.

Plates

Description	Catalog Number		Description	Catalog Number	
Duplex	**SS309D**		Furniture feed (¾ in. KO)	**SS309SF***	
Style Line®/GFCI	**SS309DS**		Furniture feed, blank	**SS309BF***	
Single receptacle (1.39 in. OD)	**SS309S**		Bushed data opening (1 in. ID)	**SS309T**	
Blank	**SS309B**				

- 302/304 stainless steel plates (SS309SF and SS309BF are aluminum).
- UL Listed and CSA Certified.

*Note: *For furniture feed applications using **SS309SF**, a blank **SS309BF** must be used for second plate.*

3 Inch Core Hole FRPT Accessories

Description	Color	Catalog Number	Description	Color/Gang	Catalog Number
Flush FRPT Abandonment Plate Use with PT7FSD, PT73SD or PT71SD only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains.	Gray Ivory	**AP2GY** **AP2I**	**PT7XC Extension Kit** Extends PT7XC FRPT to accommodate between 7 in. and 13 in. floor thickness.	—	**EXT13**
Multi-Service Furniture Feed Replacement Inserts Use as a replacement cover for PT73FFSD series, or to convert installed PT7FSD series into furniture feed FRPTs. Includes (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power. (UL Listed only.)	Gray Ivory	**FF3GY** **FF3I**	**Pedestal FRPT Abandonment Plate** Use with PT27A or PT7XC only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains.	Gray/ 2-gang Gray/ 4-gang	**AP22** **AP42**
Replacement Low Voltage Barrier Use with FR280, FR480, and FR680 pedestal service fittings only when additional power/low voltage separation is required.		**FRBR1**			

Hubbell SystemOne Recessed 10 Inch Series

S1R10PTFIT Series · *S1R10CVR Recessed Cover Series* · *S1R10CVRFF Cover Series*

Fitting Bottom View

Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black and gray powder coat.
- S1R10PSPZ series sub-plates supplied with pre-wired dual 20A receptacles. Wired with three #12 AWG solid conductors.
- Receptacles can be wired as dual circuit and isolated ground.
- S1R10FFCVR series furnished with one (2) 1 in. to ¾ in. threaded reducer
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 10 in. (254.0) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1R10PT Recessed Series		S1R10PT FF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	Center Chamber .0978 sq. in.	Perimeter Chambers (each) .0408 sq. in.	Each 1 in. Power Hub .1304 sq. in.	Each 2 in. Low Voltage Hub .0962 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.

When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Hubbell SystemOne Recessed 8 Inch Series
S1R8PT Series

Ø 9.50" (241.3)

¾" EMT

1.14" (29.0) For Flex Connection

Bottom Feed Box

1.30" (32.9)

.15" (3.8)

6.48" (164.5)

8.59" (218.3)

Ø 8.04" (204.3)

(1) 1" EMT   (1) 1½" EMT
S1R8JNC1

(2) 1" EMT
S1R8JNC2
(1) 2" EMT

(1) 2" EMT
S1R8JNC3

(3) 1" EMT
S1R8JNC4

(1) 1¼" EMT   (1) 1½" EMT
S1R8JNC5

(2) 1¼" EMT
S1R8JNC6

(1) ¾" EMT
S1R8JNC7

(1) ¾" EMT
S1R8JNC8
(1) 1¼" EMT

(1) ¾" EMT   (2) 1¼" EMT
S1R8JNC9

(1) 1¼" EMT   (1) 2" EMT
S1R8JNC10

(2) 1" EMT
(1) 1½" EMT
S1R8JNC11
(1) 2" EMT

(3) 1¼" EMT
S1R8JNC12

Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R8PSPZ sub-plate supplied with pre-wired dual 20A receptacle. Wired with three #12 AWG solid conductors.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 8 in. (203.2) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1R8PT Series	
Fire Resistance Rating	2-Hrs. (D900)	
Max. Copper Cross Section	Perimeter Chambers (each) .0154 sq. in.	Center Chamber .0633 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Hubbell SystemOne Recessed 6 Inch Series

S1R6PT Series

Ø 7.50"
(190.5)

1.30"
(32.9)

.15" (3.8)

8.59"
(218.3)

¾" EMT

2" EMT

Ø 6.04"
(153.5)

S1R6PTFF Series

Ø 7.50"
(190.5)

1.30"
(32.9)

2.03" (51.6) 2" NPT
Connector Installed

.15" (3.8)

8.59"
(218.3)

¾" EMT

2" EMT

Ø 6.04"
(153.5)

Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R6SPZ sub-plate supplied with pre-wired dual 20A receptacle. Wired with three #12 AWG solid conductors.
- S1R6SPH sub-plate supplied with pre-wired quad 20A receptacle. Wired with six #12 AWG solid conductors. Receptacle can be wired as dual circuit and isolated ground.
- S1R6FFCVR series furnished with one (1) ¾ in. and one (1) 2 in. screw-in flexible metal conduit connectors.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm^2)
#23	.00040 sq. in. (.258mm^2)
#22	.00050 sq. in. (.322mm^2)
#14	.00323 sq. in. (2.083mm^2)
#12	.00512 sq. in. (3.303mm^2)
#10	.00815 sq. in. (5.258mm^2)
# 8	.01296 sq. in. (8.361mm^2)

Application Data

- Mounted in 6 in. (152.4) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1R6PT Series		S1R6PTFF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0307 sq. in.	2 in. Low Voltage EMT .0348 sq. in.	¾ in. Power EMT .0815 sq. in.	2 in. Low Voltage EMT .0962 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Hubbell SystemOne Recessed 4 Inch Series

S1R4PT Series

S1R4PT Series

Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum, black or gray powder coat.
- S1R4SPQUAD sub-plate supplied with pre-wired quad 20A receptacle. Wired with six #12 AWG solid conductors. Receptacle can be wired as dual circuit and isolated ground.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- S1R4PT Series UL Listed for fire resistance in 1-2 hour rated D900 series floors.
- S1R4PTFF & S1R4PTAV Series UL Listed for fire resistance in 1-4 hour rated D900 series floors.
- Approved for use in the City of Chicago without junction box.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1R4PT Series		S1R4PTFF & S1R4PTAV Series	
Fire Resistance Rating	2-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0408 sq. in.	½ in. Low Voltage EMT .008 sq. in.	¾ in. Power EMT .072 sq. in.	1½ in. Low Voltage EMT .100 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

S1R4PT Series use in 1, 1½ or 2 hour rated unprotected reinforced floors or 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). Also as applies to S1R4PTFF & S1R4PTAV Series except for 1-4 hours. UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.
   When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Hubbell SystemOne Flush 4 Inch Series

S1PT4X4 Series

Ø 8.00" (203.2)

1.05" (26.7)
0.40" (10.2)
2.80" (71.1)
Gasket
Ø 3.88" (98.6)
12.54" (318.5)
2.29" (58.2)
¾" EMT
Adjustable lower fire barrier

S1PT Series

Ø 8.00" (203.2)

1.06" (26.9)
0.40" (10.2)
3.86" (98.0)
Gasket
Ø 3.88" (98.6)
15.59" (396.0)
13.59" (345.2)
0.93" (23.6)
1" EMT
Adjustable lower fire barrier
0.67" (17.0)

Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1SP4X4 sub-plate supplied with pre-wired, molded, four position 20A, 125V, black receptacle, NEMA 5-20R.
- S1SP4X4 wired with six thermally protected #14 AWG THHN stranded copper conductors, receptacle can be wired as dual-circuit and isolated ground.
- S1SP4X4 accepts four (4) Hubbell HXJ6, HXJ5E, HXJU; category 6A, 6, 5e, and USOC, and flush series jacks.
- S1SP sub-plate accepts two (2) 15A or 20A Style Line® decorator receptacles, Style Line® data frames, and/or one (1) GFCI or surge receptacle.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1PT4X4 Series	S1PT Series
Fire Resistance Rating	4-Hrs. (D900)	4-Hrs. (D900)
Max. Copper Cross Section	¾ in. Power EMT .0307 sq. in.	1 in. Power EMT .0307 sq. in.
	¾ in. Low Voltage EMT .016 sq. in.	1 in. Low Voltage EMT .024 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1½, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings.
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Hubbell SystemOne Flush 4 Inch Series

S1PTAVFIT and S1PT3IM Series

S1PTFF Series

Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1PTFF series aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- S1PTFF series furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.
- S1PT3IM series sub-plate supplied with pre-wired single 20A 125V black receptacle, NEMA 5-20R.
- S1PT3IM wired with three #12 AWG THHN stranded copper conductors.
- S1PT3IM sub-plate also accepts three unit recessed Hubbell iSTATION; 15-Pin VGA, RCA, S-Video, 3.5 mm stereo and XLR microphone jacks.
- Meets UL 514A scrubwater exclusion requirements.

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	S1PTAVFIT and S1PT3IM Series	S1PTFF Series	
Fire Resistance Rating	4-Hrs. (D900)	4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0307 sq. in.	¾ in. Power EMT .072 sq. in.	1½ in. Low Voltage EMT .100 sq. in.
	1½ in. Low Voltage EMT .048 sq. in.		

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1½, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings.
When connecting0 conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Fire-Rated Poke-Throughs

Hubbell SystemOne Flush 4 Inch Series

S1CFC and S1TFC Series

Carpet

Tile

S1SPFF and S1SPFFT Series

¾" NPT Power

1½" NPT Data

Carpet

Tile

Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1SPFF and S1SPFFT series aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- S1SPFF and S1SPFFT series furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.
- Meets UL 514A scrubwater exclusion requirements.

Dimensions in Inches (mm)

Hubbell 3 Inch Series

PT2X2 Series

PT7 Series

Series	Dimension A	Dimension B
Thermoplastic cover with aluminum flange.	13.24 in. (336.2)	.51 in. (13.0)
Brass cover and flange.	13.20 in. (335.2)	.49 in. (12.4)

Product Information

- PT7 series supplied with flush thermoplastic cover with matching painted aluminum flange (black, brown, gray, ivory) or solid brass cover and flange.
- PT2X2 series supplied with Hubbell pre-wired HBL2162BK; black Stye Line® or IG2162 (isolated ground) receptacle, NEMA 5-20R, 20A, 125V.
- PT2X2 series supplied with two (2) Hubbell HXJ6BK black jacks; category 6, UL Listed, 110 type contacts.
- PT7 series supplied with Hubbell pre-wired HBL5352 or IG5362 (isolated ground) series receptacle, NEMA 5-20R, 20A, 125V.
- PT7 series supplied with two (2) ½ in. low voltage feed through holes. Two (2) feed through bushings supplied (cover will not accept data jacks).
- Wired with three (3) #12 AWG THHN stranded copper conductors.
- Supplied with 13.0 cu. in. junction box having eight (8) ¾ in. knockouts.

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.
- Approved for use in the City of Chicago (PT2X2 series).
- Not intended to be used in high traffic installations and not intended to support furniture.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm^2)
#23	.00040 sq. in. (.258mm^2)
#22	.00050 sq. in. (.322mm^2)
#14	.00323 sq. in. (2.083mm^2)
#12	.00512 sq. in. (3.303mm^2)
#10	.00815 sq. in. (5.258mm^2)
# 8	.01296 sq. in. (8.361mm^2)

UL Listed Wiring Capacity

	PT2X2 Series		PT7 Series	
Fire Resistance Rating	4-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0155 sq. in.	½ in. Data EMT .0026 sq. in.	¾ in. Power EMT .0155 sq. in.	Low Voltage EMT .0250 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.
The above product data pertains to both one-piece units and through-floor fittings.

Dimensions in Inches (mm)

Hubbell 3 Inch Series

PT2FIT Series

Ø 8.00" (203.2)

1¼" - 2" N.P.T. Combo K.O.

0.25" (6.4)

11.81" (300.0)

Ø 2.88" (73.2)

2" E.M.T.

PT73FFSD Series

7.00" (177.8)

3.88" (98.6)

Two ½" NPT threaded plugs for voice/data

One ¾" NPT threaded plug for power

8.50" (215.9)

¾" EMT

PT7FFSD Series

7.00" (177.8)

1.11" (28.2) knockout for ¾" conduit connector

8.50" (215.9)

¾" EMT

Product Information

PT2FIT series
• Flush aluminum service fitting with epoxy paint finish (gray, black and brass finish).
• Aluminum conduit cover with 2.47 in. (62.7) and 1.74 in. (44.2) combination knockouts to accept a 2 in. or 1¼ in. NPT flexible metal conduit connector.

PT73FFSD series
• Flush painted aluminum service fitting and carpet flange (color finish options: black, gray and ivory).
• Aluminum conduit insert cover with one (1) ¾ in. and two (2) ½ in. die-cast threaded plugs.
• Supplied with one (1) ¾ in. and two (2) ½ in. screw-in flexible metal conduit connectors.

PT73FFSD series
• Flush aluminum service fitting with epoxy paint finish (color finish options: gray, ivory and brass finish).
• Aluminum conduit cover with 1.11 in. (28.2) knockout to accept a ¾ in. NPT flexible metal conduit connector.

Application Data

• Mounted in 3 in. (76.2) cored concrete diameter through hole.
• Floor thickness range: 2¼ in. to 7 in. (57.2 to 177.8).
• PT2FIT series has single-service, power or data.
• UL Listed for fire resistance in 1 – 2 hour (PT2FIT series) rated floors.
• UL Listed for fire resistance in 1 – 4 hour (PT73FFSD and PT7FFSD series) rated floors.
• Approved for use in the City of Chicago (PT2FIT series).
• Not intended to be used in high traffic installations and not intended to support furniture.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm^2)
#23	.00040 sq. in. (.258mm^2)
#22	.00050 sq. in. (.322mm^2)
#14	.00323 sq. in. (2.083mm^2)
#12	.00512 sq. in. (3.303mm^2)
#10	.00815 sq. in. (5.258mm^2)
# 8	.01296 sq. in. (8.361mm^2)

UL Listed Wiring Capacity

	PT2FIT Series	PT73FFSD Series		PT7FFSD Series
Fire Resistance Rating	2-Hrs. (D900)	4-Hrs. (D900)		4-Hrs. (D900)
Max. Copper Cross Section	2 in. EMT	¾ in. EMT	½ in. Feed Through	¾ in. EMT
	.0922 sq. in.	.0470 sq. in.	.0250 sq. in.	.0500 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½, or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece units and through-floor fittings.
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Pedestal FRPT Series
Pedestal Fitting Series

¾" EMT Voice/Data Tube

½" EMT Power Tube

7.25" (184.2)

9.25" (235.0)

1¼" EMT Voice/Data Tube

½" EMT Power Tube

8.25" (209.6)

10.25" (260.4)

Applications	PT27A	PT7XC
Mounting	2 in. (50.8) diameter hole.	3 in. (76.2) diameter hole.
Floor Thickness Range	2¼ in. to 7 in. (57.2 to 177.8)	2¼ in. to 7 in. (57.2 to 177.8)
Fire Rating	For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated employing steel floor units and concrete topping (D900 series design).	For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 series design).
Service Pedestal Options	FR280, FR480, FR680 Series.	FR480 and FR680 Series.

Note: Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	PT27A	PT7XC
Power Wiring Capacity	½ in. EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.	½ in. EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.
Voice/Data Wiring Capacity	¾ in. EMT low-voltage tube Handles: Up to two 25 pair tel./data cables (100 #22 AWG tel./data conductors), or Up to two IBM Type 2 data cables.	1¼ in. EMT low-voltage tube Handles: Up to four 25 pair tel./data cables (200 #22 AWG tel./data conductors), or Up to five IBM Type 2 data cables and four 8-conductor tel./data cables.
Total Allowable Copper Cross-Sectional Area	½ in. Power EMT .0461 sq. in. ¾ in. Low Voltage EMT .0500 sq. in.	½ in. Power EMT .0461 sq. in. 1½ in. Low Voltage EMT .1000 sq. in.

When conductors larger than #22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the #22 AWG conductors permitted in the low voltage compartment.

Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number	UL File Number
Outlet Box	E31999	E31999
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span.

Chicago Approved

Catalog Number	City of Chicago File Number
PT27A, PT7XC	5587E

These through-floor fittings are approved for the City of Chicago. Installation requires a plenum-rated 1900 series box or a handy box with gasketed cover. These boxes are to be affixed with compression gland-type connectors.

Dimensions in Inches (mm)

Pedestal FRPT Series
Painted and Brushed Aluminum Series

Dimensions

2-Gang – FR280 Series (Use with PT27A Only)

2.82" (71.6)
5.45" (138.4)
4.61" (117.0)

Voice/Data
Power
Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)		39.00 in. (638.8cm^3)
Cubic Inch Capacity	Power	19.5 in. (319.4cm^3)
(when divided for multi-service)	Voice/Data	19.5 in. (319.4cm^3)
Service Pedestal Construction		Heavy gauge galvanized steel frame with aluminum housing and face plates.
Pedestal Finish		Textured black or gray epoxy paint.

4-Gang – FR480 (Use with PT27A or PT7XC)

2.79" (70.9)
5.45" (138.4)
9.03" (229.4)

Voice/Data
Power
Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)		78.00 in. (1277.6cm^3)
Cubic Inch Capacity	Power	39.00 in. (638.8cm^3)
(when divided for multi-service)	Voice/Data	39.00 in. (638.8cm^3)
Service Pedestal Construction		Heavy gauge galvanized steel frame with aluminum housing and face plates.
Pedestal Finish		Textured black or gray epoxy paint.

6-Gang – FR680 (Use with PT27A or PT7XC)

2.79" (70.9)
5.45" (138.4)
13.45" (341.6)

Voice/Data
Power
Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)		117.00 in. (1916.4cm^3)
Cubic Inch Capacity	Power	58.5 in. (958.2cm^3)
(when divided for multi-service)	Voice/Data	58.5 in. (958.2cm^3)
Service Pedestal Construction		Heavy gauge galvanized steel frame with aluminum housing and face plates.
Pedestal Finish		Textured black or gray epoxy paint.

2-Gang – FR80AL (Use with PT7XC Only)

2.95" (74.9)
4.50" (138.4)
4.37" (110.0)

Voice/Data
Power
Top inside view of pedestal base

Total Cubic Inch Capacity (single service)		33.00 in. (540.9 cu cm^3)
Cubic Inch Capacity	Power	8.80 in. (144.2cm^3)
(when divided for multi-service)	Voice/Data	26.70 in. (437.6cm^3)
Service Pedestal Construction		Heavy gauge aluminum frame with satin anodized aluminum housing with 302/304 stainless steel face plates.
Pedestal Finish		Brushed.

Dimensions in Inches (mm)

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

SECTION R

Table of Contents

Powered Seating Boxes

Cabled Charging Stations

Power Charging Pedestals

Features and Benefits

Powered Seating Boxes

HUBBELL ON-the-GO CHARGING
Convenient Charging Stations

Hubbell's On-the-Go Powered Seating Boxes fulfill customers' need for power accessibility. As the use of electronic devices has increased, the demand for charging has followed. Powered Seating Boxes provide an easy means of charging user's devices while meeting custom space requirements. Seating boxes can easily be attached to waiting area seating arrangements, conference tables, lecture halls, anywhere convenient power is needed.

Housing Design
- Rugged design features satin aluminum construction body with impact-resistant polycarbonate end caps
- Make any furniture or seating area into a convenient charging station
- Available with up to 4 boxes per unit

Powered Seating Boxes
- Parallel module wiring keeping individual seating boxes from losing power up and downstream
- Push to reset circuit breaker—trip electronically and reset manually

Charging Power
- Fast charging speeds delivering up to 5 amps of charging power
- Green power LED provides visual indication of power to the devices

Installation
- Security Torx-screw minimizes the potential for customers to open or tamper with units
- Hardwired permanently connected power and interconnecting cords
- Available with heavy-gauge durable powder coated steel mounting bracket

USB ports
- Smooth insertion tamper-resistant devices provide an extra level of safety to your customers
- Overcurrent protection—12 amp string and 5 amp individual module protection

Configurations
- Powered seating boxes are available in convenient bracketed configurations that easily attach to any flat surface
- Unbracketed configurations are also available

SP15USB1

Powered Seating Boxes

Description	Cord Length*	Boxes per Unit*	Without Mounting Bracket	With Mounting Bracket
Powered Seating Box with (2) USB Type A high power 5 Amp, 5 volt USB output and a Commercial Grade Tamper-Resistant duplex receptacle.	10 ft power and 5 ft connecting cords	1	**SP15USB1**	**SP15USB1B**
		2	**SP15USB2**	**SP15USB2B**
		3	**SP15USB3**	**SP15USB3B**
		4	**SP15USB4**	**SP15USB4B**

*Note: *Special constructions are available with up to 7 boxes and up to 25 ft. of power cord. Contact you local Hubbell representative for more information.*
Options for USB Type-C and Combination Type A & C configurations and hospital grade receptacles are also available

Specifications

- UL, cULus
- Meets construction and safety testing standards for UL962A Furniture Power Distribution Units
- Assembled in the USA

Dimensions Inches (mm)

7.88 [200.0]
6.75 [171.5]
4X Ø .25 [Ø 6.4]
BRACKET MOUNTING HOLES
3.50 [88.9] 4.50 [114.3]

4X Ø .194 [Ø 4.9]
BOX MOUNTING HOLES
7.00 [177.8]
1.25 [31.8]

NEMA 5-15P
14/3 SJ CONNECTING CORD
MOUNTING BRACKET OPTION SHOWN

3.42 [86.8]
2.47 [62.8]

FRONT VIEW
3.16 [80.3]
8.41 [213.5]

Dimensions in Inches (mm)

Features and Benefits

Cabled Charging Stations

Hubbell's On-the-Go Cabled Charging Stations require minimal assembly and install easily. There are two styles available; a semi-permanent wall-mount unit or a relocatable floor stand.

The standard configuration includes (3) Apple® Lightning, (3) Micro USB and (2) USB Type-C cords, allowing for 8 devices to be charging at once. Each unit features an 18 inch wide by 1 inch deep device tray to accommodate a wide range of wireless devices.

Cabled Charging Stations can be ordered with the standard design (as shown below), blank, or with a custom logo or graphic. Custom artwork will be applied and shipped from the factory.

HUBBELL ON-the-GO CHARGING
Cabled Charging Stations

Housing Design
- Eight charging connectors provide flexibility to charge a variety of smart devices
- The 18 inch tray holds multiple devices at once

Power Stands
- Blank charging stations available

Charging Power
- Charge up to 8 devices simultaneously without slowing charging speeds, up to 2.4A per port
- Efficient charging technology with automatic authentication of nearly all mobile devices

Installation
- Each unit includes a 6 foot cord with a 15A 125V plug
- Ships as kit making for easy installation and assembly
- Floor stand unit is 4 feet tall and weighs approximately 30 pounds

Wall Mount
- Wall mount unit includes mounting bracket and hardware

Custom Branding
- Custom branding/graphics available
- Designed for indoor use

Apple® is a registered trademarks of Apple Inc.

Cabled Charging Stations

Description	Floor Stand Unit	Wall Mount Unit
Standard Cabled Charging Stations.	**HCSFS**	**HCSWM**
Blank Cabled Charging Stations.	**HCSFSBLANK**	**HCSWMBLANK**
Replacement floor stand with power supply.	**HCSREPFSKIT**	—
Replacement wall mounting hardware kit.	—	**HCSWMREPWMKIT**
Replacement USB cord sets (Floor and Wall Units).	**HCSUSBREPCORDSET**	

Specifications

• UL, cUL, FCC, CE, RoHS, MFi Certified

Custom Branding

Custom branding or graphic artwork can be added to both the wall mount and floor stands with three templates to choose from (Template A, B or C as shown below). Contact your local Hubbell Territory Manager to special order a custom charging station. **See Guidelines on page R-10.**

Description	Floor Stand Unit	Wall Mount Unit
Custom Branded Charging Station.	**HCSFSLOGOxxxx**	**HCSFSLOGOxxxx**
Custom Artwork Specification.	Maximum print area: 10" W x 6" H Preferred file formats: Adobe Illustrator, Vector File, Encapsulated Postscript and Layered PDF.	

Note: No Minimum Order Quantity for special order units.

Template A

Template B

Template C

Dimensions Inches (mm)

Floor Stand

NEMA 5-15P

47.79 (1213.9)

15.00 Sq. (381.0)

Wall Mount

8.96 (227.5)

NEMA 5-15P

18.00 (457.2)

1.00 (25.4)

3.08 (78.1)

HCSFS

HCSWMBLANK

HCSFSBLANK

HCSREPFSKIT

Dimensions in Inches (mm)

HUBBELL ON-the-GO CHARGING
Power Charging Pedestals

Features and Benefits

Power Charging Pedestals

Hubbell's On-the-Go Power Charging pedestals ships ready to install with four 20A 125V tamper-resistant USB Type A and Type C combination duplex receptacles, with a ¾ inch NPT hub in the base and 36 inch long wire leads the assembly will accommodate all installations when fed from the floor below. The pedestal can also be mounted and wired over one of Hubbell's flush round floor boxes or single gang rectangular floor boxes.

Our 2 inch by 8 inch wing-shaped aluminum extrusion has a sturdy ¼ inch thick aluminum base plate with four pre-drilled counter sunk holes for mounting. Because of its shallow design, the pedestals can be mounted between most back-to-back transportation seating arrangements.

(Front View)   (Side View)

Housing Design
- Durable powder coated aluminum extrusion offers a permanent solution for high traffic areas
- Ships ready to install

Power Stands
- Back to back 39.79 inch and 34.29 inch receptacle heights will clear backs of transportation seating chairs

Charging Power
- Duplex receptacles include Hubbell's patented tamper-resistant technology allowing the plug to slide in effortlessly
- Combination Type A and Type-C USB configuration meets most charging needs

Installation
- Integral ¾ inch conduit hub in base
- Single circuit pre-wired assembly with 36 inch long #12 AWG wire leads
- Sleek 2 inch by 8 inch powder coated aluminum extrusion design at 52.40 inches tall

USB Ports
- Heavy-duty stainless steel USB ports are rated for 10,000 cord insertions and removals

Custom Branding
- Custom branding/graphics available for light kit
- Available with energy efficient LED light kit to add visibility
- Indoor use only

Power Charging Pedestals

Description	Color	Catalog Number
Hubbell Charging Power Stand, 52.40 inches tall.	Gray	**HCPWRPED52GRY**
Hubbell Charging Power Stands, 52.40 inches tall, Light Kit.	Gray	**HCPWRPED52LKGRY**

Custom Branding

At the factory, custom branding/graphic artwork can be added to the Power Charging Pedestals with light kits. Contact your local Hubbell Territory Manager to special order a custom pedestal. **See Guidelines on page R-10.**

Description	Color	Catalog Number
Hubbell Charging Power Stands, 52.40 inches tall, Light Kit with Custom Branding.	Gray	**HCPWRPED52LKGRYxxx**
Custom Artwork Specification.		Maximum print area: 6.75" W x 9.13" H Preferred file formats: Adobe Illustrator, Vector File, Encapsulated Postscript and Layered PDF

Note: No Minimum Order Quantity for special order units.

HCPWRPED52GRY

HCPWRPED52LKGRY
Standard Light Kit

HCPWRPED52LKGRYxxx
- Example-
Custom Light Kit Graphics

HCPWRPED52LKGRY

Specifications

• UL/cUL 1773 Listed

Dimensions Inches (mm)

2.00" (50.8)
8.00" (203.2)
52.40" (1330.9)
39.79" (1010.7)
34.29" (871.0)
.25" (6.4)
6.00" (152.4)
12.00" (304.8)

(4) Ø.40" (10.1)
7.50" (190.5)
Bottom Center Hole Tapped for ¾" Conduit
3.00" (76.2)
TYPICAL

.70" (17.8)
8.00" (203.2)
12.00" (304.8)
2.00" (50.8)
8.00" (203.2)
64.40" (1635.7)
39.79" (1010.7)
34.29" (871.0)
.25" (6.4)
6.00" (152.4)
12.00" (304.8)

Dimensions in Inches (mm)

USB Charging Receptacles Type-C • Type A&C • Type A

Hubbell USB Chargers are available in the new Type-C port, a combination unit with Type A&C, and the legacy Type A. All with the increase in power to a 5 Amp 5 Volt USB port adds capacity so that there is always ample current to support multiple device charging. Portable mobile manufacturers are using the faster Type-C ports. More phones, tablets and other electronic devices are expected to use this new standard.

- Compliant with USB BC1.2 battery charging and 3.0 power delivery. Compatible with USB 2.0, 3.0 and 3.1 devices
- USB Type-C port is legacy USB Type A compatible (adapter cord - not included)
- Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- Designed for commercial, industrial and home use
- Weather resistant receptacles Meets Section 406.9 of NEC$^®$
- Weather resistant receptacles available in Type A&C USB ports only

Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle,	Black	**USB15AC5BKWR**	**USB20AC5BKWR**
One Type A and one Type-C port configurations,	Brown	**USB15AC5WR**	**USB20AC5WR**
high power 5 Amp, 5 Volt USB output,	Gray	**USB15AC5GYWR**	**USB20AC5GYWR**
Tamper-Resistant Commercial Grade	Ivory	**USB15AC5IWR**	**USB20AC5IWR**
USB ports rated 10,000 cycles.	Light Almond	**USB15AC5LAWR**	**USB20AC5LAWR**
	White	**USB15AC5WWR**	**USB20AC5WWR**

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

USB Charger Duplex Receptacles Type-C, Type A&C and Type A

Description	Color	15A 125V	20A 125V
Hospital Grade USB Charger Receptacle,	Black	**USB8200C5BK**	**USB8300C5BK**
two Type-C port configurations,	Brown	**USB8200C5**	**USB8300C5**
high power 5 Amp, 5 Volt USB output,	Gray	**USB8200C5GY**	**USB8300C5GY**
Tamper-Resistant duplex receptacle,	Ivory	**USB8200C5I**	**USB8300C5I**
USB ports rated 10,000 cycles.	Light Almond	**USB8200C5LA**	**USB8300C5LA**
	Red	**USB8200C5R**	**USB8300C5R**
	White	**USB8200C5W**	**USB8300C5W**
Hospital Grade USB Charger Receptacle,	Black	**USB8200AC5BK**	**USB8300AC5BK**
one Type A and one Type-C port configurations,	Brown	**USB8200AC5**	**USB8300AC5**
high power 5 Amp, 5 Volt USB output,	Gray	**USB8200AC5GY**	**USB8300AC5GY**
Tamper-Resistant duplex receptacle,	Ivory	**USB8200AC5I**	**USB8300AC5I**
USB ports rated 10,000 cycles.	Light Almond	**USB8200AC5LA**	**USB8300AC5LA**
	Red	**USB8200AC5R**	**USB8300AC5R**
	White	**USB8200AC5W**	**USB8300AC5W**
Hospital Grade USB Charger Receptacle,	Black	**USB8200A5BK**	**USB8300A5BK**
two Type A port configurations,	Brown	**USB8200A5**	**USB8300A5**
high power 5 Amp, 5 Volt USB output,	Gray	**USB8200A5GY**	**USB8300A5GY**
Tamper-Resistant duplex receptacle,	Ivory	**USB8200A5I**	**USB8300A5I**
USB ports rated 10,000 cycles.	Light Almond	**USB8200A5LA**	**USB8300A5LA**
	Red	**USB8200A5R**	**USB8300A5R**
	White	**USB8200A5W**	**USB8300A5W**
Commercial Grade USB Charger Receptacle,	Black	**USB15C5BK**	**USB20C5BK**
two Type-C port configurations,	Brown	**USB15C5**	**USB20C5**
high power 5 Amp, 5 Volt USB output,	Gray	**USB15C5GY**	**USB20C5GY**
Tamper-Resistant duplex receptacle,	Ivory	**USB15C5I**	**USB20C5I**
USB ports rated 10,000 cycles.	Light Almond	**USB15C5LA**	**USB20C5LA**
	White	**USB15C5W**	**USB20C5W**
Commercial Grade USB Charger Receptacle,	Black	**USB15AC5BK**	**USB20AC5BK**
one Type A and one Type-C port configurations,	Brown	**USB15AC5**	**USB20AC5**
high power 5 Amp, 5 Volt USB output,	Gray	**USB15AC5GY**	**USB20AC5GY**
Tamper-Resistant duplex receptacle,	Ivory	**USB15AC5I**	**USB20AC5I**
USB ports rated 10,000 cycles.	Light Almond	**USB15AC5LA**	**USB20AC5LA**
	White	**USB15AC5W**	**USB20AC5W**
Commercial Grade USB Charger Receptacle,	Black	**USB15A5BK**	**USB20A5BK**
two Type A port configurations,	Brown	**USB15A5**	**USB20A5**
high power 5 Amp, 5 Volt USB output,	Gray	**USB15A5GY**	**USB20A5GY**
Tamper-Resistant duplex receptacle,	Ivory	**USB15A5I**	**USB20A5I**
USB ports rated 10,000 cycles.	Light Almond	**USB15A5LA**	**USB20A5LA**
	White	**USB15A5W**	**USB20A5W**

Note: See page Tech-10 for Tamper-Resistant description. See section N for wallplates.

NEC$^®$ is a registered trademark of the National Fire Protection Association (NFPA).

Left column images

1.75" (44.5)
3.28" (83.3)
2.61" (66.3)
1.82" (46.1)
USB15AC5WWR

1.75" (44.5)
3.28" (83.3)
2.61" (66.3)
1.82" (46.1)
USB8300C5W

1.75" (44.5)
3.28" (83.3)
2.61" (66.3)
1.82" (46.1)
USB15AC5GY

1.75" (44.5)
3.28" (83.3)
2.61" (66.3)
1.82" (46.1)
USB20A5I

Dimensions in Inches (mm)

SNAP*Connect*® USB Charger Duplex Receptacles

Description	Color	15A 125V AC	20A 125V AC
Hospital Grade SNAPConnect® USB Charger Tamper-Resistant Receptacle, two USB type 2.0 ports, 3.0 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC, Style Line® decorator duplex.	Black	**SNAP8200USBBK**	**SNAP8300USBBK**
	Brown	**SNAP8200USB**	**SNAP8300USB**
	Gray	**SNAP8200USBGY**	**SNAP8300USBGY**
	Ivory	**SNAP8200USBI**	**SNAP8300USBI**
	Light Almond	**SNAP8200USBLA**	**SNAP8300USBLA**
	Red	**SNAP8200USBR**	**SNAP8300USBR**
	White	**SNAP8200USBW**	**SNAP8300USBW**
SNAPConnect® USB Charger Tamper-Resistant Receptacle, two USB type 2.0 ports, 3.0 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC, Style Line® decorator duplex.	Black	**SNAP15USBBK**	**SNAP20USBBK**
	Brown	**SNAP15USB**	**SNAP20USB**
	Gray	**SNAP15USBGY**	**SNAP20USBGY**
	Ivory	**SNAP15USBI**	**SNAP20USBI**
	Light Almond	**SNAP15USBLA**	**SNAP20USBLA**
	White	**SNAP15USBW**	**SNAP20USBW**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	**SNAP1RA**	**SNAP1RA**
	Stranded	**SNAP2RA**	**SNAP2RA**

SNAP8300USBW

4 Port USB Charger Outlets

USB4W

Description	Color	4 Type A ports	2 Type A and 2 Type-C ports	4 Type-C ports
USB Charger Outlets, 4 USB ports, 5 Amp, 5 Volt DC, Style Line® decorator.	Black	**USB4BK**	**USB4ACBK**	**USB4CBK**
	Brown	**USB4**	**USB4AC**	**USB4C**
	Gray	**USB4GY**	**USB4ACGY**	**USB4CGY**
	Ivory	**USB4I**	**USB4ACI**	**USB4CI**
	Light Almond	**USB4LA**	**USB4ACLA**	**USB4CLA**
	White	**USB4W**	**USB4ACW**	**USB4CW**

Switch Combo Outlets

Description	Color	Catalog Number
Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator.	Black	**USB102BK**
	Brown	**USB102**
	Gray	**USB102GY**
	Ivory	**USB102I**
	Light Almond	**USB102LA**
	White	**USB102W**

USB102W

2X2 USB Work Surface Pop-Up Boxes

Surface Dimensions	Cut Out Dimensions	Product Depth	Maximum Surface Thickness	Finish	Catalog Number
5" x 5"	4.62" x 4.62"	3.55"	1.125"	Brushed Aluminum	**WSBUSB2X2ALU**
5" x 5"	4.62" x 4.62"	3.55"	1.125"	Black Powder Coat	**WSBUSB2X2BLK**

WSBUSB2X2ALU

PlugTrak® Raceway with USB Charger Outlets

USB type 2.0 ports, 2.4 Amp, 5 Volt DC, 15 Amp, 125 Volt AC receptacles.

Material	Length	Ends	# of USB Ports	# of Single Receptacles	Color	Catalog Number
Steel	3 ft.	6 in. leads	2	2	Ivory	**HBL20GB312UIV**
Steel	6 ft.	6 in. leads	4	4	Ivory	**HBL20GB612UIV**
Aluminium	3 ft.	6 in. leads	2	2	Aluminum	**HBLALU20GB312U**
Aluminium	6 ft.	6 in. leads	4	4	Aluminum	**HBLALU20GB612U**
Non-metallic	6 ft.	6 in. leads	4	8	Office White	**PT156112U***
Portable - Plug in						
Steel	40 in.	6 ft. cord and plug	2	4	Ivory	**HBL20C215UIV**
Non-metallic	36 in.	6 ft. cord and plug	2	4	Office White	**PT153112UP***

HBL20GB312UIV HBLALU20GB612U PT153112UP

*Note: *For additional colors add "BK" for Black or "W" for white.*

Dimensions in Inches (mm)

HUBBELL ®

ON-the-GO CHARGING Artwork/Logo Guidelines

■ Most Preferred

■ Least Preferred

Note: *To achieve the most accurate colors please provide Pantone PMS Color information (when possible). All files should be sent in CMYK color mode if possible.

File Formats | Options

1 **AI (Adobe Illustrator):** These files are built in "layers" which makes it efficient to edit or manipulate them if necessary if changes/adjustments need to be made prior to submitting for production.

2 **SVG (Vector File):** These files are pure vector format and are typically more than sufficient for producing production ready artwork.

3 **EPS (Encapsulated Postscript):** These are self contained image files that usually contain everything we will need to prepare and produce production ready artwork, if generated from layered files.

4 **Layered PDF (Portable Document Format):** Most PDFs are compatible with Illustrator and if layers are preserved we can prepare and produce production ready artwork.

The file formats below may not be sufficient for production ready artwork.

5 **PSD (Adobe Photoshop):** If built and saved the correct way can usually be used to prepare and produce production ready artwork.

6 **PNG (Portable Network Graphic):** These files contain only foreground images and will have a blank or no background, making them easy to place on any color or type of background. These file types may be sufficient for production ready artwork if the file is HD resolution, i.e. 1920 x 1080 or better.

7 **JPG:** The least compatible file to use with design and therefore should be considered a "last resort." If supplying a logo pulled off the Internet or saved down from a larger layered file, it more than likely will not be sufficient to prepare and produce production ready artwork.

Process for Custom ON-the-GO Charging.

1. Email custom artwork to Hubbell Territory Manager* with the following information:
    * If you don't know your local Territory Manager call Hubbell Customer Service at (800) 288-6000.
    A. Art must conform to one of the 7 formats
    B. Type of unit; power charging pedestal, wall mount or floor stand
    C. Quantity of order
    D. Name or title for artwork
2. Proof will be generated based on product type and artwork submitted and emailed to customer for approval.
3. Upon Approval, submit signed approval form and PO to Hubbell TM for order processing.

Two Duplex Receptacles or Blank Pole

Isolated Ground with and without Surge Suppression

GFCI Self Test Duplex Receptacles

Aluminum Service Poles

Products at a Glance

Two Duplex Receptacles or Blank Pole

- (2) 20A 125V Style Line® duplex receptacles; one circuit

- Available in three standard lengths: 10' 2", 12' 2" and 15' 2" to accommodate a variety of applications

- Available in five attractive durable paint colors: gray, ivory, black, white and office white painted or clear anodized aluminum finish to suit every need

Isolated Ground with and without Surge Suppression

- (1) Orange isolated ground 20A 125V Style Line® duplex receptacle; (1) 20A 125V Style Line® duplex receptacle; two circuits

- (2) Orange isolated ground 20A 125V Style Line® duplex receptacles; (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit

GFCI Self Test and Duplex Receptacles

- (1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line® duplex receptacles; one circuit

Adjustable T-Bar and Trim Kit

- Adjustable T-bar for mounting poles in the center of the ceiling tiles

- All service poles include ceiling trim plates, replacements also available in office white

Custom Pole Configurations

- Create your own custom service poles using the chart on page S-5

- For configurations that require additional customization, please consult Hubbell Technical Services

HUBBELL® **Wiring Device-Kellems**

Aluminum Service Poles

Features and Benefits

Aluminum Series Offering

Hubbell offers a line of attractive and durable Aluminum Service Poles which distribute wiring from above the ceiling to workstations below.

They are offered in standard lengths of 10' 2", 12' 2" and 15' 2" with a variety of electrical wiring devices. Poles with three service capability have a divider to separate power and low voltage wiring.

Available in varying lengths and colors, custom options maximize space and allow workstations, retail checkout areas, collaboration areas, digital signage, vending machines, appliances and kiosks to be positioned away from the wall.

• Factory ordered custom pole lengths and configurations available for special applications

• UL listed

Colors Available

• Available in five attractive durable paint colors: gray, ivory, black, white and office white painted and clear anodized aluminum finishes to suit every need

Accessories

• Each pole include a ceiling trim mounting plate and bottom scuff boot

Black	Ivory	Gray	Office White	White	Clear Anodized Aluminum

HUBBELL® Wiring Device-Kellems

Aluminum Series Offering

HBLPP10AI

HBLPP10IGA

HBLPP10SAI

HBLPP10GFW

ATB

PPTRIM1

Three Service Aluminum Service Poles

Description	Color	10' 2" (3.10m)	12' 2" (3.71m)	15' 2" (4.62m)
(2) 20A 125V Style Line® duplex receptacles; one circuit	Black	HBLPP10BK	HBLPP12BK	HBLPP15BK
	Gray	HBLPP10A	HBLPP12A	HBLPP15A
	Ivory	HBLPP10AI	HBLPP12AI	HBLPP15AI
	Office White	HBLPP10OW	HBLPP12OW	HBLPP15OW
	White	HBLPP10W	HBLPP12W	HBLPP15W
	Clear Anodized Aluminum	HBLPP10AAL	HBLPP12AAL	HBLPP15AAL
(1) Orange isolated ground 20A 125V Style Line® duplex receptacle; (1) 20A 125V Style Line® duplex receptacle; two circuits	Black	HBLPP10IGBK	–	–
	Gray	HBLPP10IGA	–	–
	Ivory	HBLPP10IGAI	–	–
	Office White	HBLPP10IGOW	–	–
	White	HBLPP10IGW	–	–
	Clear Anodized Aluminum	HBLPP10IGAL	–	–
(2) Orange isolated ground 20A 125V Style Line® duplex receptacles; (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit	Black	HBLPP10SBK	–	–
	Gray	HBLPP10SA	–	–
	Ivory	HBLPP10SAI	–	–
	Office White	HBLPP10SOW	–	–
	White	HBLPP10SW	–	–
	Clear Anodized Aluminum	HBLPP10SAL	–	–
(1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line® duplex receptacles; one circuit	Black	HBLPP10GFBK	HBLPP12GFBK	HBLPP15GFBK
	Gray	HBLPP10GF	HBLPP12GF	HBLPP15GF
	Ivory	HBLPP10GFI	HBLPP12GFI	HBLPP15GFI
	Office White	HBLPP10GFOW	HBLPP12GFOW	HBLPP15GFOW
	White	HBLPP10GFW	HBLPP12GFW	HBLPP15GFW
	Clear Anodized Aluminum	HBLPP10GFAL	HBLPP12GFAL	HBLPP15GFAL
Blank pole; divider; (4) Style Line® device knockouts	Black	HBLPPOBK	HBLPPO12BK	HBLPPO15BK
	Gray	HBLPPOA	HBLPPO12A	HBLPPO15A
	Ivory	HBLPPOAI	HBLPPO12AI	HBLPPO15AI
	Office White	HBLPPOOW	HBLPPO12OW	HBLPPO15OW
	White	HBLPPOW	HBLPPO12W	HBLPPO15W
	Clear Anodized Aluminum	HBLPPOAAL	HBLPPO12AAL	HBLPPO15AAL

Accessories

Description	Catalog Number
Adjustable T-bar assembly for mounting poles in the middle of ceiling tile.	ATB*
Replacement service pole trim kit (office white).	PPTRIM1*

*Note: * Not UL listed.*

Dimensions

Service Pole Cross Section

Dimensions in Inches (mm)

HBLPP10, HBLPP12, HBLPP15, HBLPP10IG

HBLPP10GF, HBLPP12GF, HBLPP15GF

HBLPP10S

HBLPPO, HBLPPO12, HBLPPO15

Aluminum Service Poles

Custom Pole Configurations

Using the chart below, you can create a custom service pole. For configurations that require additional customization, please consult Hubbell Technical Service at (475) 882-4800.

Position			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S	P	1	0	0	2	1	1	B	B	B	X	X	X	C	I

Example: SP100211BBBXXXCI

10 Feet 02 Inches, (2) Rectangular Style Line® Knockouts for Data, (3) HBL2162 Duplex Receptacles, (2) Circuits (First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2), Ivory.

Worksheet

Position			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S	P														

Position 1 & 2: Height to the nearest foot. — 08-22 Feet.

Position 3 & 4: Height in inches up to 11". — 00-11 Inches.

Position 5, 6, 7, 8, 9, 10, 11, 12:
Starting at **Position 5** Select Datacom Knockouts/Device Frames followed by Power Receptacle/Power Knockout options. If the service pole is power only, select receptacle options starting at **Position 5**. Empty **Positions** should be filled with an **"X"** to designate an empty field.

Note: If power receptacles are chosen, then power knockouts may not be chosen in the same service pole.

Data Selections
1 - Rectangular Style Line® Knockout.
2 - ½" NPT Knockout (0.875" diameter).
3 - ¾" NPT Knockout (1.109" diameter).
4 - 2-Port Style Line® Data Frame, 1-Gang, 2 Port Voice/Data Frame.
5 - 3-Port Style Line® Data Frame, 1-Gang, 3 Port Voice/Data Frame.

Power Selections
6 - Rectangular Style Line® Knockout (for blank poles only).
7 - ½" NPT Knockout (0.875" diameter, for blank poles only).
8 - ¾" NPT Knockout (1.109" diameter, for blank poles only).
A - 5362, 20A, 125V AC, Duplex.
B - HBL2162, 20A, 125V AC, Style Line® Decorator Duplex.
C - IG5362, 20A, 125V AC, I.G. Duplex.
D - IG2162, 20A, 125V AC, I.G. Style Line® Decorator Duplex.
G - HBL4700, 15A, 125V AC, Twist-Lock® Duplex.
H - IG4700A, 15A, 125V AC, I.G. Twist-Lock® Duplex.
I - IG2310, 20A, 125V AC, Twist-Lock® Single.
J - IG5361, 20A, 125V AC, I.G. Single.
K - HBL5361, 20A, 125V AC, Single.
L - HBL2310, 20A, 125V AC, Twist-Lock® Single.
M - HBL2610, 30A, 125V AC, Twist-Lock® Single.
N - HBL2320, 20A, 250V AC, Twist-Lock® Single.
O - HBL2620, 30A, 250V AC, Twist-Lock® Single.
Q - IG4710, 15A, 125V AC, I.G. Twist-Lock® Single.
R - HBL4710, 15A, 125V AC, Twist-Lock® Single.
S - HBL5662, 15A, 250V AC, Duplex.
T - IG5662, 15A, 250V AC, I.G. Duplex.
U - HBL5661, 15A, 250V AC, Single.
V - IG5661, 15A, 250V AC, I.G. Single.
W - HBL5462, 20A, 250V AC, Duplex.

Position 13: Power Circuits

Z - No Circuits (Should only be selected when the service poles has ONLY Data and/or Power knockouts).
A - All devices on a single circuit.
B - 2 Circuits, First Receptacle on Circuit #1, Remaining Receptacles on Circuit #2.
C - 2 Circuits, First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.
D - 2 Circuits, First 3 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.
E - 2 Circuits, First 4 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.
F - 2 Circuits, First 5 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.
G - 2 Circuits, First 6 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.
H - 2 Circuits, First 7 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.

Position 14: Color

I - Ivory.
G - Gray.
W - White.
K - Black.
A - Aluminum with clear anodized finish.

TOP

Device Positions: 12, 11, 10, 9, 8, 7, 6, 5
4.75" spacing between positions
8.38"

FLOOR

Aluminum Service Poles

Division 16 Specifications

Part 2: Products

2.01 Manufacturer

A. The power poles specified herein for branch circuit wiring shall be Hubbell Service Poles as manufactured by Hubbell Inc., Wiring Device-Kellems® or approved equal. Other manufacturers may be considered equal if they meet the performance requirements of this specification and have received prior written approval.

2.02 Components/Accessories

A. The hardware for mounting Service Poles in the middle of a ceiling tile shall be Hubbell adjustable T-Bar type ATB with trim plate kit type PPTRIM1.

2.03 Materials

A. Standard and Custom Aluminum Service Poles

These Service Poles shall be extruded aluminum with a heavy gauge body (.050 ±.005 inches thick) to resist denting. These poles shall be two-channel to accommodate both power and low voltage services on the same side of the pole. Service poles shall be pre-wired with #12 AWG wire and equipped with specification grade Style Line® decorator receptacles (20A, 125V). These receptacles shall be Hubbell type HBL2162xx or an approved equal. The low voltage (back) channel of the service pole shall incorporate an access panel that provides a passageway to two Style Line® communication knockouts located on the front of the pole.

Finish
Service Poles will include a painted or clear anodized finish.
Custom poles are available in Black, Gray, Ivory, Office White, White, and Clear Anodized Aluminum.

Heights
Standard Service Poles shall be available in three sizes to accommodate various ceiling heights: 10 ft. 2 in. (3.10m), 12 ft. 2 in. (3.71m) and 15 ft. 2 in. (4.62m). Custom Poles shall be available in a range of sizes, a configurator pole is 8 through 22 ft. Other custom poles can be as short as 6 in. through 22 ft.

10 ft. 2 in. (3.10m): Hubbell type HBLPP10BK, HBLPP10A, HBLPP10AI, HBLPP10OW, HBLPP10W, and HBLPP10AAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPP12BK, HBLPP12A, HBLPP12AI, HBLPP12OW, HBLPP12W, and HBLPP12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPP15BK, HBLPP15A, HBLPP15AI, HBLPP15OW, HBLPP15W, and HBLPP15AAL.
8-22 feet: Hubbell Custom Poles.

2. Isolated Ground
The following Service Poles contain one Hubbell isolated ground receptacle Hubbell #IG2162 and one #HBL2162xx, both 20A, 125V Style Line® decorator receptacles (wired on separate circuits). Custom poles with a variety of receptacles may also include isolated ground type devices. 10 ft. 2 in. (3.10m): Isolated Ground; Hubbell Type HBLPP10IGBK, HBLPP10IGA, HBLPP10IGAI, HBLPP10IGOW, HBLPP10IGW, and HBLPP10IGAL.

3. Surge Suppression/Isolated Ground
The following Service Poles contain one Hubbell #IG5362xxSA (20A, 125V Surge/IG Style Line® decorator duplex) and two #IG2162 (20A, 125V IG Style Line® decorator duplex) receptacles. All receptacles are wired on the same circuit, therefore providing surge protection at each outlet. Custom poles with a variety of receptacle options may also include surge suppression. 10 ft. 2 in. (3.10m): With Surge; Hubbell Type HBLPP10SBK, HBLPP10SA, HBLPP10SAI, HBLPP10SOW, HBLPP10SW, and HBLPP10SAL.

4. GFCI
The following Service Poles contain one Hubbell #GFST20 (20A, 125V GFCI Self Test Style Line® decorator duplex) and two #HBL2162 (20A, 125V Style Line® decorator duplex) receptacles. All receptacles are wired on the same circuit, the two HBL2162 are GFCI protected by being wired to the load side of the GFST20.
10 ft. 2 in. (3.10m): Hubbell type HBLPP10GFBK, HBLPP10GF, HBLPP10GFI, HBLPP10GFOW, HBLPP10GFW, and HBLPP10GFAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPP12GFBK, HBLPP12GF, HBLPP12GFI, HBLPP12GFOW, HBLPP12GFW, and HBLPP12GFAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPP15GFBK, HBLPP15GF, HBLPP15GFI, HBLPP15GFOW, HBLPP15GFW, and HBLPP15GFAL.

5. Blank
The following Service Poles are two-channel and do not include receptacles or wiring. All poles include a barrier which starts between the second and third knockout positions from the bottom of the pole. Custom poles with or without a barrier are available as well.
10 ft. 2 in. (3.10m): Hubbell type HBLPPOBK, HBLPPOA, HBLPPOAI, HBLPPOOW, HBLPPOW, and HBLPPOAAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPPO12BK, HBLPPO12A, HBLPPO12AI, HBLPPO12OW, HBLPPO12W, and HBLPPO12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPPO15BK, HBLPPO15A, HBLPPO15AI, HBLPPO15OW, HBLPPO15W, and HBLPPO15AAL.

B. Voice/Data Interface

All Service Poles must allow for acceptance of Hubbell Style Line® communication outlets.

HUBBELL® **Wiring Device-Kellems**

www.hubbell-wiring.com

Metal Raceway and Aluminum Raceway

Non-Metallic Raceway

Pre-Wired Raceway

Raceway Profiles - Quick Reference Guide

Metal Raceway

Color - Ivory, Gray or White

HBL500
Ivory/White
.53" (13.46)
.76" (19.30)
.22 in.² (1.41cm²)
Page T-4

HBL700
Ivory/White
.67" (16.90)
.76" (19.30)
.26 in.² (1.67cm²)
Page T-4

HBL750
Ivory/White
.85" (21.59)
.76" (19.30)
.40 in.² (2.58cm²)
Page T-4

HBL2000/A
Ivory/Gray
.89 in.² (5.74cm²)
.83" (21.08)
1.31" (33.27)
Page T-10

Metal PlugTrak®
Ivory/Gray
.83" (21.08)
1.31" (33.27)
Page T-12

HBL2400
Ivory
1.39 in.² (8.97cm²)
.88" (22.40)
1.91" (48.51)
Page T-14

HBL2400D
Ivory
.86 in.² (5.55cm²)
.88" (22.40)
1.91" (48.51)
.37 in.² (2.39cm²)
Page T-14

HBL3000*
Ivory/Gray
3.70 in.² (23.87cm²)
1.53" (38.86)
2.75" (69.85)
Page T-18

HBL4750*
Ivory/Gray
7.20 in.² (46.45cm²)
Undivided
1.75" (44.45)
4.75" (120.65)
Page T-22

HBL6750*
Ivory/Gray
13.77 in.² (88.84cm²)
Undivided
2.22" (56.39)
6.75" (171.45)
Page T-28

Aluminum Raceway

Color - Satin Anodized Finish

HBLALU2000
1.20 in.² (7.74cm²)
.91" (23.11)
1.84" (46.74)
Page T-34

Aluminum PlugTrak®
.91" (23.11)
1.84" (46.74)
Page T-36

HBLALU3800*
5.80 in.² (37.42cm²)
2.25" (57.15)
3.00" (76.20)
Page T-38

HBLALU4800*
5.80 in.² (37.42cm²)
5.80 in.² (37.42cm²)
2.25" (57.15)
6.00" (152.40)
Page T-39

HBLALU5000*
3.80" (24.52)
3.80 in.² (24.52cm²)
1.75" (44.45)
5.08" (129.03)
Page T-42

HBLALU7620*
5.00 in.² (32.26cm²)
5.00 in.² (32.26cm²)
5.00 in.² (32.26cm²)
2.25" (57.15)
7.62" (193.55)
Page T-43

Non-Metallic Raceway

Color - Office White, White and Black

PT1
.68" (17.27)
.75" (19.05)
.29 in.² (1.87cm²)
Page T-54

PP1
.77" (19.56)
.84" (21.34)
.38 in.² (2.45cm²)
Page T-55

PL1
1.03 in.² (6.65cm²)
1.04" (26.42)
1.38" (35.05)
Page T-56

Non-Metallic PlugTrak®
1.04" (26.42)
1.38" (35.05)
Page T-62

PW1
.50" (12.70)
1.19" (30.23)
.30 in.² (1.94cm²)
Page T-57

PW2
.81 in.² (5.23cm²)
.79 in.² (5.10cm²)
1.04" (26.42)
2.12" (53.85)
Page T-58

PB2*
2.86 in.² (18.45cm²)
2.86 in.² (18.45cm²)
1.63" (41.40)
4.50" (114.30)
Page T-59

PB3
1.80 in.² (11.61cm²)
1.97 in.² (12.71cm²)
1.80 in.² (11.61cm²)
1.63" (41.40)
4.50" (114.30)
Page T-60

PS3*
3.41 in.² (22.00cm²)
3.76 in.² (24.26cm²)
3.41 in.² (22.00cm²)
1.97" (50.04)
6.70" (170.18)
Page T-61

*Note: *Available in PRE-WIRED.*
Channel Area in Square Inches (square centimeters).

Products at a Glance

HBL500, HBL700 and HBL750 Series

- Hubbell's exclusive HBL750 Series adds an additional profile for data and electrical applications

Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a "clean" look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available
  See page T-45 for selection

Enhanced Datacom Capabilities

- Capacity for up to five Category 5e, three Category 6, or two Category 6A cables
- Available with 1½ in. (38.10) Category 6 and 6A bend radius fittings
- Largest single channel low profile raceway available in its class
- Ideal for datacom and oversized neutral applications

White Metal Raceway

- HBL750 Series available in white
- Full line of product
- Additional color options available for architects and interior designers

Retrofit Box for Fire Alarm Detectors

- Fits most manufacturers of audible alarm systems
- Compatible with HBL500, HBL700 and HBL750 Series Metal Raceway
- Available in white and ivory

HBL500, HBL700 and HBL750 Series

	Description	Color	Length	HBL500 Series	HBL700 Series	HBL750 Series
HBL500, HBL700 and HBL750 Series	**Base and Cover** Available in 5 ft. (1.5m) lengths, packed 50 ft. (15m) per carton and 10 ft. (3m) lengths, packed 100 ft. (30m) per carton. HBL5701C coupling furnished with each length.	Ivory Ivory White	5 ft. 10 ft. 10 ft.	**–** **HBL50010IV** **HBL50010W** A: .53" (13.46) B: .76" (19.30)	**–** **HBL700IV** **HBL700W** A: .67" (16.90) B: .76" (19.30)	**HBL7505IV** **HBL75010IV** **HBL75010W** A: .85" (21.59) B: .76" (19.30)

	Color	1-Gang	2-Gang	3-Gang	4-Gang	5-Gang	6-Gang
Standard	Ivory White	**HBL5748IVA** **HBL5748WA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	**HBL57482IVA** **HBL57482WA** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)	**HBL57483IVA** **HBL57483WA** A: 4.54" (115.32) B: 6.45" (163.88) C: 1.75" (44.45)	**HBL57484IVA** A: 4.54" (115.32) B: 8.26" (209.91) C: 1.75" (44.45)	**HBL57485IVA** A: 4.54" (115.32) B: 10.01" (255.93) C: 1.75" (44.45)	**HBL57486IVA** A: 4.54" (115.32) B: 11.89" (301.96) C: 1.75" (44.45)
Shallow	Ivory White	**HBL5747IVA** **HBL5747WA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	**HBL57472IVA** **HBL57472WA** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	**HBL57473IVA** **–** A: 4.54" (115.32) B: 6.45" (163.88) C: 1.38" (35.05)	**–** **–**	**–** **–**	**–** **–**
Deep	Ivory White	**HBL5744SIVA** **HBL5744SWA** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.00)	**HBL5744S2IVA** **HBL5744S2WA** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.25" (57.00)	**HBL5744S3IVA** **–** A: 4.54" (115.32) B: 6.45" (163.88) C: 2.25" (57.00)	**–** **–**	**–** **–**	**–** **–**
Extra Deep	Ivory White	**HBL5744IVA** **HBL5744WA** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	**HBL57442IVA** **HBL57442WA** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)	**HBL57443IVA** **–** A: 4.54" (115.32) B: 6.45" (163.88) C: 2.75" (69.85)	**–** **–**	**–** **–**	**–** **–**
Base Trade Size KOs		2 - ½"	1 - ½", ¾" Concentric 1 - Rectangular	3 - ½"	4 - ½"	5 - ½"	6 - ½"

Note: For datacom applications, box selection is dependent on depth of connectors (jacks). See pages T-45 and T-46 for datacom product selection, or visit our site at www.hubbell-wiring.com for our Full Line Catalog and additional information.

	Description	Color	1-Gang	1-Gang Deep	1-Gang Blank	2-Gang	3-Gang
Extension Boxes	**Extension Boxes** To extend existing flush switch and receptacle boxes. Blank is used where it is desired to blank original outlet.	Ivory White	**HBL5751IVA** **HBL5751WA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	**HBL5751AIVA** **HBL5751AWA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	**HBL5760IVA** **–** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)	**HBL57512IVA** **–** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	**HBL57513IVA** **–** A: 4.54" (115.32) B: 6.45" (163.88) C: 1.38" (35.05)

Dimensions in Inches (mm)

UL LISTED   CSA CERTIFIED

HBL500, HBL700 and HBL750 Series

1-Gang Specialty Boxes

Description	Color	1-Gang
Low Profile Switch/Receptacle Base has ½ in. trade size KOs.	Ivory White	**HBL5748SIVA** **HBL5748SWA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)
Combination Switch/Recept. Connects surface runs of ½ in. trade size conduit, one raceway twistout each side and three raceway twistouts top and bottom.	Ivory White	**HBL5745IVA** **HBL5745WA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)
Utility Box* For use as a tee, cross, pull box, junction box or blank box. Base has ½ in. trade size KOs.	Ivory White	**HBL57242IVA** **HBL57242WA** A: 4.12" (104.78) B: 2.00" (50.80) C: 1.39" (35.31)

2-Gang Specialty Boxes

Description	Color	2-Gang
Alarm Device Box Surface mounting of alarm devices and safety signals.	Ivory White Red	**HBL5752IVA** **—** **HBL5752RA** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)
Extra Deep Alarm Device Box For surface mounting of alarm devices and safety signals. Cover is 2.75 in. (69.85) deep.	Ivory White Red	**HBL5753IVA** **—** **HBL5753RA** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)
Distribution Box Twistouts permit three parallel raceway runs on each side. Cover takes devices with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00), 4.06 in. (103.00) and canopy fixture not larger than 4.63 in. (117.00). Can be used with HBL5736IV (blank cover) to create junction box.	Ivory White	**HBL5735IVA** **—** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)

*Note: *Use catalog number HBL5791 for connecting ½ in. EMT to HBL5745 and HBL57242 boxes.*

Round Boxes

Description	Color	4.75 inches O.D.	5.50 inches O.D.	6.38 inches O.D
Extension Box (Open Base) For mounting on 3.25 in. (83.00) or 4 in. (102.00) round or square conduit boxes or other recessed outlets. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).	Ivory White	**HBL5737IVA** **HBL5737WA** A: 1.02" (26.00) B: 4.75" (120.65)	**HBL5737AIVA** **HBL5737AWA** A: 1.02" (26.00) B: 5.50" (140.00)	**HBL5739AIVA** **—** A: 1.02" (26.00) B: 6.38" (162.01)
Fixture Box (Solid Base) To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00). Both boxes can be used as a pull or junction box when used with HBL5736IV/W (blank cover).	Ivory White	**HBL5738IVA** **HBL5738WA** A: 1.02" (26.00) B: 4.75" (120.65)	**HBL5738AIVA** **HBL5738AWA** A: 1.02" (26.00) B: 5.50" (140.00)	**HBL5739IVA** **HBL5739WA** A: 1.02" (26.00) B: 6.38" (162.01)

Specialty Round Boxes

Description	Color	Catalog Number
Outlet Box For devices with mounting screw centers of 1.47 in. (37.00), 1.63 in. (41.00), 1.69 in. (44.00) or 1.84 in. (46.00).	Ivory White	**HBL5733IVA** **—** A: 1.02" (26.00) B: 3.00" (76.00)
Fanbox with Solid Base Cover accepts fan bracket with mounting centers of 3.2 in. (81.00). Rated for fans and fixtures up to 50 lbs.	Ivory White	**HBL5738AFIVA** **HBL5738AFWA** A: .38" (9.75) B: 4.19" (106.30)
Retrofit Box for Fire Alarm Detectors For installing round alarm sensors.	Ivory White	**HBL5739AABIVA** **HBL5739AABWA** A: 1.62" (41.15) B: 6.50" (165.10)

Round Covers

Description	Color	Catalog Number
Blank Cover For use with HBL5733IVA. Has ½ in. trade size KO in center.	Ivory White	**HBL5731IV** **—** A: .24" (6.10) B: 2.40" (60.96)
Blank Cover For use with HBL5735IVA, HBL5737IVA/WA, HBL5737AIVA/WA, HBL5739AIVA, HBL5738IVA/WA, HBL5738AIVA/WA and HBL5739IVA/WA. Has ½ in. trade size KO in center.	Ivory White	**HBL5736IV** **HBL5736W** A: .38" (9.75) B: 4.19" (106.30)

Dimensions in Inches (mm)

HBL500, HBL700 and HBL750 Series

Elbows

Description	Color	HBL500 Series	HBL700 and HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Internal Elbow For inside surfaces at right angles.	Ivory White	**HBL517IV** **HBL517W** A: 3.33" (84.51) B: .58" (14.73) C: 3.33" (84.51)	**HBL717IVA** **HBL717WA** A: 3.33" (84.51) B: .90" (22.86) C: 3.33" (84.51)	**Internal Elbow Bend Radius** For inside surface at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory White	**HBL5717BRIVA** — A: 3.33" (84.51) B: .91" (23.11) C: 3.33" (84.51)
External Elbow For outside surfaces at right angles.	Ivory White	**HBL518IV** **HBL518W** A: 2.59" (65.71) B: ..58" (14.73) C: 2.59" (65.71)	**HBL718IVA** **HBL718WA** A: 2.59" (65.71) B: .90" (22.86) C: 2.59" (65.71)	**External Elbow Bend Radius** For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory White	**HBL5718BRIVA** — A: 4.86" (123.43) B: .78" (19.80) C: 1.35" (34.28)
90° Flat Elbow For right angle turns on same surface.	Ivory White	**HBL511IV** **HBL511W** A: 2.68" (68.13) B: .61" (15.50) C: 2.68" (68.13)	**HBL711IVA** **HBL711WA** A: 2.68" (68.13) B: .90" (22.86) C: 2.68" (68.13)	**Flat Elbow Bend Radius** For right angle turns requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory White	**HBL5711BRIVA** — A: 3.16" (80.34) B: .91" (23.11) C: 3.16" (80.34)
45° Flat Elbow For diagonal 45° turns on same surface.	Ivory White	**HBL512IV** — A: 2.46" (62.61) B: .58" (14.73) C: 2.46" (62.61)	**HBL712IVA** — A: 2.70" (68.49) B: .91" (23.06) C: 2.70" (68.49)	**Internal Twisted Elbows** For 90° twist with 90° turn. For double turn at right angles from one to another. From a flat run on a side wall to a flat run on a ceiling, edge of door or window trim.	Ivory White Ivory White	Right Elbow **HBL5711RHIVA** **HBL5711RHWA** Left Elbow **HBL5711LHIVA** **HBL5711LHWA** A: 2.98" (75.72) B: .94" (23.75) C: 3.00" (76.20)

Tees

Description	Color	HBL500, HBL700 & HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Tee Fitting For branches at right angles.	Ivory White	**HBL5715IVA** **HBL5715WA** A: 3.06" (77.67) B: 1.14" (28.86) C: 3.03" (76.96)	**Tee Fitting Bend Radius** For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory White	**HBL5715BRIVA** — A: 5.55" (140.88) B: .90" (22.86) C: 3.16" (80.34)

Fittings

Description	Color	HBL500, HBL700 & HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Support Clip For supporting lengths of HBL500, HBL700 or HBL750 Raceway.	Ivory White	**HBL5703IV** **HBL5703W** A: 2.51" (63.75)	**Flexible Section** For getting around offsets, side bends, twisted turns or curved surfaces.	Ivory White	**HBL5700FIVA** **HBL5700FWA** A: 18.00" (457.20)

Dimensions in Inches (mm)

Metal Raceway

HBL500, HBL700 and HBL750 Series

End Fittings

Description	Color	HBL500, HBL700 & HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Entrance Connector One ¾ in. KO for panel or conduit connection. One ¾ in. chase nipple and locknut furnished.	Ivory White	**HBL5786AIVA** **HBL5786AWA** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)	**Adjustable Offset Connector** Two ½ in. KOs for panel or conduit connection. Eliminates offsetting raceway when connecting to surface type panel boxes. One ½ in. chase nipple and locknut furnished.	Ivory White	**HBL5786IVA** **HBL5786WA** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)
Elbow Box Connector For connecting raceway at right angles to conduit boxes, panel boxes, etc. having ½ in. nipple for trade size conduit.	Ivory White	**—** A: 2.13" (54.05) B: 1.24" (31.50)	**Elbow Conduit Connector** For connecting raceway at right angles to ½ in. trade size conduit or armored cable connectors.	Ivory White	**HBL5784IVA** **—** A: 2.13" (54.05) B: 1.24" (31.50)
Combination Connector For connecting raceway without offsetting to any 3.25 in. (83.00) or 4 in. (102.00) outlet box mounted on the surface with a KO for ½ in. trade size conduit. Spring steel bushing eliminates need for conduit nipple and locknut.	Ivory White	**HBL5785AIVA** **HBL5785AWA** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)	**Corner Box** For connecting HBL500, HBL700 or HBL750 Raceway from ceiling or corner. Each leg of base has ½ in. trade size KO.	Ivory White	**HBL5719IVA** **HBL5719WA** A: 2.50" (63.50) B: 2.50" (63.50) C: 2.40" (60.96)

Note: The Elbow Box Connector shows catalog **HBL5783IVA** in the center column.

Fittings

Description	Color	HBL500 Series	HBL700 Series	HBL750 Series
Transition Fitting For transitioning from either Wiremold® V500 to Hubbell HBL500 Raceway or Wiremold® V700 to Hubbell HBL700 Raceway or Hubbell HBL750 Raceway.	Ivory White	**HBL500TFIV** **—** A: .65" (16.51) B: .89" (22.61) C: 2.15" (54.61)	**HBL700TFIV** **—** A: .78" (19.80) B: .89" (22.61) C: 2.15" (54.61)	**HBL750TFIV** **—** A: .98" (24.89) B: .89" (22.61) C: 2.15" (54.61)
Mounting Strap (one- or two-hole) For mounting HBL500, HBL700 or HBL750 Raceway to surface. Convert to one-hole by breaking off at score.	Ivory White	**HBL504IV** **HBL504W** A: .58" (14.73) B: .50" (12.70)	**HBL7004IV** **HBL7004W** A: .70" (17.68) B: .50" (12.70)	**HBL7504IV** **HBL7504W** A: .90" (22.86) B: .50" (12.70)
Connection Cover To cover potential openings where two lengths of like raceways come together.	Ivory White	**HBL506IV** **HBL506W** A: .60" (15.24) B: .80" (20.31)	**HBL7006IV** **HBL7006W** A: .69" (17.40) B: .80" (20.31)	**HBL7506IV** **HBL7506W** A: .91" (23.10) B: .80" (20.31)
Bushing Protect wires from potential abrasion. Fits into end of HBL500, HBL700 or HBL750 Raceway.	Steel*	**HBL502B** A: .35" (8.83) B: .70" (17.68)	**HBL7002B** A: .49" (12.50) B: .78" (19.80)	**HBL7502B** A: .60" (15.24) B: .70" (17.68)

*Note: *Zinc Plated Steel.*
Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

HBL500, HBL700 and HBL750 Series

Fittings

Description	Material	HBL500, HBL700 & HBL750 Series		Description	Material	HBL500, HBL700 & HBL750 Series
Box Connector For connecting raceway to conduit boxes or panel boxes having KO for conduit. May also be used for conduit type fittings.	Steel*	**HBL5781** ½" NPT (13) Male A: .75" (19.1) B: 1.24" (31.62)	**HBL5781A** ¾" NPT (19) Male A: .75" (19.1) B: 1.24" (31.62)	**½ in. EMT Connector** For connecting raceway to conduit boxes or panel boxes having KO for conduit.	Steel*	**HBL5791** A: 1.20" (30.48) B: 1.09" (27.70)
Conduit Connector For connecting raceway to conduit.	Steel*	**HBL5782C** ½" NPT (13) Female A: .75" (19.1) B: 1.75" (44)	**HBL5782A** ¾" (19.1) Female A: .75" (19.1) B: 1.75" (44)	**Coupling** For joining and supporting lengths of HBL500, HBL700 or HBL750 Raceway.	Steel**	**HBL5701C** A: 2.00" (50.80)
Grounding Clamp Provides grounding means for ½ in. trade size conduit using locknut.	Steel**	**HBL5709GC** A: 1.04" (26.03) B: 1.18" (29.84)		**Ground Clamp** Used to provide additional grounding of raceway or to ground remotely located devices. Attach ground wire to screw as required by National Electrical Code.	Steel**	**HBL5709** A: 2.00" (50.80)
Special Nipple For hanging or connecting either .375 in. (9.5) or .5 in. (12.7) fixtures to Hubbell fittings with ½ in. trade size KOs.	Steel*	**HBL5780** A: .63" (16.00)		**Armored Cable Connector** For connecting 14/2, 14/3, 12/2 and 12/3 "MC" and armored cable to Hubbell fittings. A short piece of HBL500, HBL700 or HBL750 Series Raceway must be used between this connector and the Hubbell fitting. Not for connection to ½ in. (12.7) flex conduit.	Steel**	**HBL5790B** A: 2.00" (50.80) B: .99" (25.25)

*Note: *Zinc Plated Steel.*
**Galvanized Steel.

Tools

Description	HBL500 Series	HBL700 Series	HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Cutter Portable cutter for HBL500, HBL700 or HBL750 Series Raceways.	**HBL605CUT**	**HBL700CUT**	**HBL607CUT**	**Raceway Bender** Portable bender for HBL500, HBL700 or HBL750 Series Raceways.		**HBL600B**
Cutter Replacement Blade	**HBL605K**	**HBL700K**	**HBL607K**	**Touch-Up Paint Pen**	Ivory White	**HBLIWEP** **HBLWWEP**

Dimensions in Inches (mm)

Products at a Glance

HBL2000A Raceway

- Cover is 0.040 in. (1.016) thick which allows up to 600V AC
- Higher capacity power applications (up to 26 #12 AWG wires)
- Available in cover only or base and cover options

Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a "clean" look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available See page T-45 for selection

Bend Radius Fittings

- 1½ in. (38.10) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications

Metal PlugTrak® Featuring Exclusive Receptacle Design

- Gray or ivory scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBL2000 Series Metal Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant and USB versions available

UL LISTED   CSA CERTIFIED

HBL2000 and HBL2000A Series

HBL2000 Series

Description	Color	Catalog Number
Base and Cover (300V Rated) Cover is 0.025 in. (0.635) thick up to 300V AC applications. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000BCIV** **HBL2000BCGY** A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)

HBL2000A Series

Description	Color	Catalog Number
Base and Cover (600V Rated) Cover is 0.040 in. 1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000BCAIV** **HBL2000BCAGY** A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)

Base and Cover

Description	Color	Catalog Number
5 Ft. Base Only For use with HBL2000 and HBL2000A raceway. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000B5IV** **HBL2000B5GY** A: 60.00" (1,524.00) B: 1.31" (33.27)

Description	Color	Catalog Number
5 Ft. Cover Only (300V Rated) Cover is 0.025 in. (0.635) thick. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000CIV** **HBL2000CGY** A: 60.00" (1,524.00) B: 1.31" (33.27)
5 Ft. Cover Only (600V Rated) Cover is 0.040 in. (1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000CAIV** **HBL2000CAGY** A: 60.00" (1,524.00) B: 1.31" (33.27)

Device Boxes

Description	Color	Catalog Number
1-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Gray	**HBL2048IV** **HBL2048GY** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)
2-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Gray	**HBL20482IV** **HBL20482GY** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)

Elbows

Description	Color	Catalog Number
Internal Corner Coupling For surfaces at right angles, or for use as a straight-through fitting. Furnished with one fiber bushing.	Steel**	**HBL2017TC** A: 1.30" (32.98) B: 1.40" (35.56)
Internal Elbow Bend Radius For inside surface at right angles requiring a 1.5" (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2017BRIV*** **HBL2017BRGY*** A: .85" (21.56) B: 3.47" (88.11)
External Elbow Coupling For right angle turns around external corners.	Ivory Gray	**HBL2018CIV** **HBL2018CGY** A: 1.88" (47.75)
External Elbow Bend Radius For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2018BRIV*** **HBL2018BRGY*** A: 5.11" (129.72)
90° Flat Elbow For right angle turns on same surface.	Ivory Gray	**HBL2011IV*** **HBL2011GY*** A: 2.56" (65.02)
Flat Elbow Bend Radius For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2011BRIV*** **HBL2011BRGY*** A: 4.29" (109.03)

Tees

Description	Color	Catalog Number
Tee Fitting For branches at right angles. Couplings furnished.	Ivory Gray	**HBL2015IV*** **HBL2015GY*** A: 6.00" (152.40) B: 2.81" (71.44) C: 4.00" (101.60)
Tee Fitting Bend Radius For branches at right angles. Couplings furnished. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2015BRIV*** **HBL2015BRGY*** A: 7.35" (186.78) B: 4.33" (110.00)

*Note: *HBL2001C couplings included.*
**Galvanized Steel.

Dimensions in Inches (mm)

UL LISTED · CSA CERTIFIED

HBL2000 and HBL2000A Series

End Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 2000 Raceway to Hubbell HBL2000 Raceway.	Ivory Gray	**HBL2000TFIV** **HBL2000TFGY** A: .82" (20.71) B: 1.38" (35.12) C: 2.04" (51.82)	**Entrance End Fitting** For connecting HBL2000 Raceway with one ½ in. conduit and armored cable connectors.	Ivory Gray	**HBL2010A2IV** **HBL2010A2GY** A: 3.01" (76.45) B: 1.30" (33.02) C: 1.49" (37.85)
Blank End Fitting For closing open end of HBL2000 Raceway.	Ivory Gray	**HBL2010BIV** **HBL2010BGY** A: .78" (19.94)	**Large Capacity Entrance End Fitting** Offers larger capacity than HBL2010A2IV/ GY. One ½ in. trade size KO on each side, ½ in. and ¾ in. concentric KOs on end and bottom.	Ivory Gray	**HBL2010A3IV** **HBL2010A3GY** A: 3.69" (93.80) B: 2.02" (51.18) C: 1.79" (45.36)
End Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through end of HBL2000 Raceway.	Ivory	**HBL2089EIV** A: .78" (19.81)	**Side Reducing Connector** For connecting HBL2000 Raceway to HBL500 Raceway through side of HBL2000 Raceway.	Ivory	**HBL2089IV*** A: 6.00" (152.40) B: 3.25" (82.55)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Cover Clip Use to cover potential openings where two pieces of HBL2000 Raceway cover come together.	Ivory Gray	**HBL2006IV** **HBL2006GY** A: .75" (19.05)	**Flush Plate Adaptor** For feeding HBL2000 Raceway from an existing wall outlet. ½ in. threaded stud with steel locknut for grounding.	Ivory Gray	**HBL2051HIV** **HBL2051HGY** A: 4.50" (114.30)
Wire Clip For holding conductors in place in the raceway base. For use with HBL2000CIV/GY cover only.	Steel**	**HBL2000WC** A: .44" (11.18) B: .24" (6.03) C: 1.24" (31.50)	**Wire Clip** For holding conductors in place in the raceway base. For use with HBL2000CAIV/GY cover only.	Steel**	**HBL2000WCA** A: .44" (11.18) B: .60" (15.17) C: 1.24" (31.50)
Coupling For joining lengths of HBL2000 Raceway.	Steel**	**HBL2001C** A: 2.00" (50.80)	**Supporting Clip** For temporarily supporting lengths of HBL2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening.	Steel**	**HBL2003SC** A: 2.00" (50.80)
Ground Clamp For connection of equipment grounding conductor to provide an additional ground to raceway. Galvanized steel.	Steel**	**HBL2009GC** A: 1.00" (25.64)			

*Note: *HBL2001C couplings included.*
    **Galvanized Steel.*

Tools

Description	Catalog Number	Description	Color	Catalog Number
Cutter Portable cutter for HBL2000 Series Raceway. (Not for use with HBL2000A series).	**HBL620C**	**Touch-Up Paint Pen**	Ivory Gray	**HBLIWEP** **HBLGWEP**
Cutter Replacement Blade Set	**HBL620BCK**			

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

UL LISTED · CSA CERTIFIED

Metal PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.

↔ USB   🔶 Tamper-Resistant

	Amp Circuits	Single Recept.	USB Ports	Receptacle Spacing (in.)	Ivory	Gray	
3 Foot	15 Single	6	—	6	**HBL20GB306IV**	**HBL20GB306GY**	
	15 IG/Single	6	—	6	**HBL20IG306IV**	**HBL20IG306GY**	
	15 TR/Single	6	—	6	**HBL20GB306IVTR**	**HBL20GB306GYTR**	🔶
	15 USB/Single	2	2	12	**HBL20GB312UIV**	—	🔶 ↔
	20 Single	6	—	6	**HBL24GB306IV**	**HBL24GB306GY**	
	20 TR/Single	6	—	6	**HBL24GB306IVTR**	**HBL24GB306GYTR**	🔶
5 Foot	15 Single	10	—	6	**HBL20GB506IV**	**HBL20GB506GY**	
	15 Single	5	—	12	**HBL20GB512IV**	**HBL20GB512GY**	
	15 Two	5	—	12	**HBL20GBA512IV**	**HBL20GBA512GY**	
	15 IG/Single	5	—	12	**HBL20IG512IV**	**HBL20IG512GY**	
	15 TR/Single	5	—	12	**HBL20GB512IVTR**	**HBL20GB512GYTR**	🔶
	20 Single	10	—	6	**HBL24GB506IV**	**HBL24GB506GY**	
	20 Single	5	—	12	**HBL24GB512IV**	**HBL24GB512GY**	
	20 Two	5	—	12	**HBL24GBA512IV**	**HBL24GBA512GY**	
	20 TR/Single	5	—	12	**HBL24GB512IVTR**	**HBL24GB512GYTR**	🔶
6 Foot	15 Single	12	—	6	**HBL20GB606IV**	**HBL20GB606GY**	
	15 Single	8	—	9	**HBL20GB609IV**	**HBL20GB609GY**	
	15 Single	6	—	12	**HBL20GB612IV**	**HBL20GB612GY**	
	15 Single	4	—	18	**HBL20GB618IV**	**HBL20GB618GY**	
	15 Two	8	—	9	**HBL20GBA609IV**	**HBL20GBA609GY**	
	15 Two	6	—	12	**HBL20GBA612IV**	**HBL20GBA612GY**	
	15 Two	4	—	18	**HBL20GBA618IV**	**HBL20GBA618GY**	
	15 IG/Single	12	—	6	**HBL20IG606IV**	**HBL20IG606GY**	
	15 USB/Single	4	4	12	**HBL20GB612UIV**	—	🔶 ↔
	20 Single	12	—	6	**HBL24GB606IV**	**HBL24GB606GY**	
	20 Single	6	—	12	**HBL24GB612IV**	**HBL24GB612GY**	
	20 Single	4	—	18	**HBL24GB618IV**	**HBL24GB618GY**	
	20 Two	6	—	12	**HBL24GBA612IV**	**HBL24GBA612GY**	
	20 Two	4	—	18	**HBL24GBA618IV**	**HBL24GBA618GY**	

	Amp Circuits	Length (in.)	Cord Length (ft.)	Single Recept.	USB Ports	Ivory	Gray
Portable	15 Single	40	6	6	—	**HBL20C215IV**	**HBL20C215GY**
	15 USB/Single	40	6	4	2	**HBL20C215UIV**	— 🔶 ↔
	15 Single	64	6	10	—	**HBL20C315IV**	**HBL20C315GY**

Note: IG = Isolated Ground, TR = Tamper-Resistant and U = USB.
Hubbell Metal PlugTrak is supplied with two HBL2010BIV/GY blank end fittings and one HBL2001C coupling. Catalog number suffix "IV" for ivory finish and "GY" for gray finish. Outlets match raceway color. "IG" Isolated ground receptacles have orange triangles. Portable PlugTrak includes 15A circuit breaker.

Dimensions in Inches (mm)

	Description	Color	Catalog Number
Boxes	1-Gang Device Box	Ivory / Gray	**HBL2048IV** / **HBL2048GY**
	2-Gang Device Box	Ivory / Gray	**HBL20482IV** / **HBL20482GY**
Elbows and Tees	External Elbow	Ivory / Gray	**HBL2018CIV** / **HBL2018CGY**
	Flat Elbow	Ivory / Gray	**HBL2011IV** / **HBL2011GY**
	Tee	Ivory / Gray	**HBL2015IV** / **HBL2015GY**
End Fittings	Entrance End Fitting	Ivory / Gray	**HBL2010A2IV** / **HBL2010A2GY**
	Large Entrance End Fitting	Ivory / Gray	**HBL2010A3IV** / **HBL2010A3GY**
	Blank End Fitting	Ivory / Gray	**HBL2010BIV** / **HBL2010BGY**
Fittings	Cover Clip	Ivory / Gray	**HBL2006IV** / **HBL2006GY**
	Supporting Clip	Steel**	**HBL2003SC***
	Coupling	Steel**	**HBL2001C**
	Internal Corner Coupling	Steel**	**HBL2017TC**

*Note: *Support clip HBL2003SC for supporting Portable Metal PlugTrak only.*
***Galvanized Steel.*
See pages T-10 and T-11 for additional information.

Products at a Glance

HBL2400 and HBL2400D Raceway

- Increased capacity, over HBL2000 Series Raceway
- Divided base allows for dual services within one raceway profile

Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a "clean" look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available
  See page T-45 for selection

Bend Radius Fittings

- 1½ in. (38.10) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications

UL LISTED   CSA CERTIFIED

HBL2400 and HBL2400D Series

	Description		Color	Catalog Number
HBL2400 Series	**Undivided Base and Cover** Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.		Ivory	**HBL2400BCIV** A: 60.00" (1,524.00) B: 1.91" (48.51) C: .88" (22.40)

	Description	Color	Catalog Number	Description	Color	Catalog Number
HBL2400 Series Base and Cover	**10 Ft. Base, Undivided** Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths.	Ivory	**HBL2400B10IV** A: 120.00" (3,048.00) B: 1.91" (48.51)	**5 Ft. Cover** Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory	**HBL2400CIV** A: 60.00" (1,524.00) B: 1.89" (48.00)
	5 Ft. Base, Undivided Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory	**HBL2400BIV** A: 60.00" (1,524.00) B: 1.91" (48.51)			
HBL2400D Series Base and Cover	**10 Ft. Base, Divided** Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths.	Ivory	**HBL2400BDIV** A: 120.00" (3,048.00) B: 1.91" (48.51)			

				1-Gang		2-Gang	
Device Boxes	Description	Color	Type	Standard	Extra Deep	Standard	Extra Deep
	Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Ivory	Divided Undivided	**—** **HBL2448IVA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	**HBL2444DIVA** **HBL2444IVA** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	**—** **HBL24482IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)	**HBL2444D2AIV** **HBL24442IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)

	Description	Color	Type	Catalog Number	Description	Color	Type	Catalog Number
Elbows and Tees	**Internal Elbow Bend Radius** For inside surfaces at right angles, requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2417DFOIV*** **HBL2417IV**** A: 1.91" (48.51) B: 3.60" (91.30)	**External Elbow Bend Radius** For right angle turns around external corners. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2418DFOIV*** **HBL2418IV**** A: 1.91" (48.51) B: 3.83" (97.28)
	90° Flat Elbow Bend Radius For right angle turns on same surface. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2411DFOIV*** **HBL2411IV**** A: 6.00" (152.40) B: 5.00" (127.00) C: .90" (22.86)	**Tee Fitting Bend Radius** For branches at right angles. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2415DFOIV*** **HBL2415IV**** A: 7.30" (185.42) B: 4.99" (126.75) C: 1.44" (36.58)

*Note: *HBL2401DC couplings included.*
*   **HBL2401C couplings included.*

Dimensions in Inches (mm)

UL LISTED CSA CERTIFIED

HBL2400 and HBL2400D Series

End Fittings

Description	Color	Type	Catalog Number	Description	Color	Type	Catalog Number
Entrance End Fitting End fitting with ½ in. and ¾ in. concentric trade size KOs on end and bottom. Additional ½ in. trade size KOs on sides.	Ivory Ivory	Divided Undivided	**—** **HBL2410CIV** A: 3.69" (93.8) B: 2.02" (51.2) C: 1.79" (45.4)	**Entrance End Fitting Bend Radius** Divided, bend radius end fitting to feed HBL2400 and HBL2400D Series Raceway. Includes 1 in. and ¾ in. trade size KOs on back and end. Removable divider and bend radius inserts included.	Ivory Ivory	Divided Undivided	**HBL2410DFOIV** **—** A: 7.08" (179.83) B: 4.72" (119.89) C: 2.76" (70.10)
Entrance End Fitting For connecting HBL2400 Raceway with one ½ in. conduit and armored cable connectors.	Ivory Ivory	Divided Undivided	**—** **HBL2410AIV** A: 1.16" (29.50) B: 1.89" (49.00) C: 1.66" (42.20)	**Entrance End Fitting Full Capacity** Full capacity entrance end to feed HBL2400 Series Raceway. Includes three 1 in. and ¾ in. concentric trade size KOs.	Ivory Ivory	Divided Undivided	**—** **HBL2410FCIV** A: 3.04" (77.23) B: 2.61" (66.29) C: 2.23" (56.64)
Transition Fitting For transitioning from Wiremold® 2400D/2400 Raceway to Hubbell HBL2400/HBL2400D Raceway.	Ivory Ivory	Divided Undivided	**HBL2400DTFIV** **HBL2400TFIV** A: 2.02" (51.31) B: 1.06" (26.92)	**Blank End Fitting** For closing open end of HBL2400 Raceway.	Ivory Ivory	Divided Undivided	**HBL2410BDIV** **HBL2410BIV** A: 1.17" (29.72) B: 1.96" (49.78) C: .84" (21.34)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
End Reducing Connector For connecting HBL2400 Raceway to HBL2000 Raceway through end of HBL2400 Raceway.	Ivory	**HBL2420REDIV*** A: 3.81" (96.77) B: 2.07" (52.58) C: .90" (22.86)	**End Reducing Connector** For connecting HBL4750 Raceway to HBL2400 Raceway through end of HBL4750 Raceway. Includes HBL2401DC coupling (HBL4751AC not included).	Ivory	**HBL4724REDIV** A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)
Side Reducing Connector For connecting HBL2400 Raceway to HBL500 Raceway through side of HBL2400 Raceway.	Ivory	**HBL2489IV*** A: 3.75" (95.25) B: 1.91" (48.51) C: .82" (20.83)	**Bridge Fitting** For allowing HBL2400 Series Raceway to bridge over existing installations of HBL2400, HBL750 and HBL500 Series Raceways.	Ivory	**HBL2475DBRIV** A: 5.60" (142.24) B: 2.92" (74.17) C: 1.63" (41.40)
Cover Clip Use to cover potential openings where two pieces of HBL2400 Raceway cover come together.	Ivory	**HBL2406IV** A: 1.50" (38.10)	**Flush Plate Adaptor** For feeding HBL2400 Raceway from an existing wall outlet box ½ in. trade size male nipple. Provided with locknut for grounding.	Ivory	**HBL2451HIV*** A: 4.50" (114.30)
Wire Clip (Plated) For holding conductors in place.	Steel**	**HBL2400WC** A: 1.69" (42.93) B: 1.00" (25.40) C: .79" (20.00)	**Ground Clamp (Plated)** For connection of equipment grounding conductor to provide an additional ground to raceway.	Steel**	**HBL2409GC** A: .41" (10.41)
Coupling (Plated), Divided For joining lengths of HBL2400 Raceway.	Steel**	**HBL2401DC** A: 2.00" (50.80) B: 1.86" (47.24)	**Coupling (Plated), Undivided** For joining lengths of HBL2400 Raceway.	Steel**	**HBL2401C** A: 2.00" (50.80) B: 1.86" (47.24)

*Note: *Only used on HBL2400 Series Undivided Raceway.*
**Galvanized Steel.

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

HBL2400 and HBL2400D Series

Devices and Frames

Description	Color	Catalog Number	Description	Color	Catalog Number
Receptacle Bracket and Frame For use with power devices with maximum width of 1.35 in. (84.3) and in low voltage applications with ISFxxAL frames found on page T-45.	Ivory	**HBL24106RRK*** A: 6.00" (152.40) B: 2.02" (51.31)	**Duplex Bracket and Frame** For use with power devices with maximum width of 1.35 in. (84.3) and in low voltage applications with BR106AL and Q106AL frames found on page T-45.	Ivory	**HBL24106DRK*** A: 6.00" (152.40) B: 2.02" (51.31)
Lamp Holder Medium base lamp holder 660W 250V ceramic. Ivory (Cover) White Ceramic (Lamp Holder).	Ivory	**HBL2426IV*** A: 5.00" (127.00) B: 1.89" (48.01) C: 1.03" (26.16)			

*Note: *Only used on HBL2400 Series Undivided Raceway.*

Tools

Description	Catalog Number	Description	Color	Catalog Number
Cutter Portable cutter for HBL2400/ HBL2400D Series Raceway.	**HBL624CUT**	**Touch-Up Paint Pen**	Ivory	**HBLIWEP**
Cutter Replacement Blade Set	**HBL624BCK**			

Dimensions in Inches (mm)

Products at a Glance

HBL3000 Series Extensive Line

- Full line of large, single channel, two piece metal raceway
- Easily mounts on walls or bench tops
- Large single channel base for power or datacom cables
- UL Listed and CSA Certified
- Available in ivory or gray powder coat finish

Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a "clean" look
- Large capacity allows for the installation of 30, 50 or 60A receptacles
- Utility box can be used as a tee, cross, junction box or as a branch circuit extension

Transition Fittings

- UL Classified to transition from Wiremold® 3000 Series Metal Raceway to Hubbell HBL3000 Series Metal Raceway
- Reducer fitting provides transition from Hubbell HBL3000 Series to Hubbell HBL2000 Series Raceway

Plates and Covers

- Wide range of covers and cover plates accommodate the most demanding applications
- Removable cover and cover plates provide easy access to wiring compartment
- Precut covers and plates provide quick installation and are available in common configurations

Wiremold® is a registered trademark of the Wiremold Company.

Metal Raceway

HBL3000 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Single Channel Base Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 2.75" (69.85) H: 1.53" (38.86)	Ivory Gray	**HBL3000BIV** **HBL3000BGY** A: 2.73" (69.34) B: 1.47" (37.34)	**5 Ft. Cover** Packed 100 ft. (30.5m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL3000CEIV** **HBL3000CEGY** A: 60.00" (1,524.00) B: 2.75" (69.85)
			19.5 In. Precut Cover* For mounting devices on 24 in. (610.00) centers.	Ivory Gray	**HBL3000C195IV** **HBL3000C195GY** A: 19.50" (495.30) B: 2.75" (69.85)
			7.5 In. Precut Cover* For mounting devices on 12 in. (305.00) centers.	Ivory Gray	**HBL3000C075IV** **HBL3000C075GY** A: 7.50" (190.50) B: 2.75" (69.85)

Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.

Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
Utility Box Cover has twistouts on all sides, allows for box to be used as tee, cross, junction box or for branch circuit extensions.	Ivory Gray	**HBL3028IV** **HBL3028GY** A: 6.41" (162.89) B: 6.41" (162.89) C: 1.90" (48.26)	**2-Gang Extra Deep Switch and Receptacle Box** For standard 30, 50 and 60A straight blade receptacles.	Ivory Gray	**HBL30442IV** **HBL30442GY** A: 6.38" (162.05) B: 6.38" (162.05) C: 2.75" (69.85)

Elbows and Tees

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Corner Coupling For surfaces at right angles or for use as a straight-through fitting.	Ivory Gray	**HBL3017TCEIV** **HBL3017TCEGY** A: 2.61" (66.29)	**External Corner Coupling** For right angle turns around external corners.	Ivory Gray	**HBL3018AEIV** **HBL3018AEGY** A: 4.00" (101.60)
90° Flat Elbow For right angle turns on same surface.	Ivory Gray	**HBL3011EIV** **HBL3011EGY** A: 6.40" (162.40) B: 6.00" (152.40)	**Tee Fitting** For branches at right angles. Couplings furnished.	Ivory Gray	**HBL3015EIV** **HBL3015EGY** A: 10.31" (261.94) B: 8.00" (203.20)

Dimensions in Inches (mm)

Metal Raceway

HBL3000 Series

End Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Entrance End Fitting For connecting HBL3000 Raceway with ½ in. conduit and armored cable connectors.	Ivory Gray	**HBL3010AEIV** **HBL3010AEGY** A: 2.75" (69.85) B: 3.42" (86.87)	**Entrance End Fitting** For connecting HBL3000 Raceway with rigid or flexible conduit. Concentric ½ in., ¾ in. and 1 in. trade size KOs on end and each side.	Ivory Gray	**HBL3010CIV** **HBL3010CGY** A: 2.75" (69.85) B: 3.25" (82.55) C: 2.00" (50.80)
Blank End Fitting For closing open end of HBL3000 Raceway. Has concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	**HBL3010BIV** **HBL3010BGY** A: 2.71" (68.92) B: 1.79" (45.36) C: 1.41" (35.84)	**Panel Connector** To connect HBL3000 Raceway with surface type boxes.	Ivory Gray	**HBL3086IV** **HBL3086GY** A: 4.60" (116.71) B: 1.19" (30.16) C: 3.00" (76.20) D: 1.94" (49.40) E: 3.76" (95.50)
Conduit Connector To connect end of HBL3000 Raceway to 1½ in. trade size conduit or connector.	Gray	**HBL3082GY** A: 2.91" (74.00) B: 2.75" (69.85)			

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 3000 Raceway to Hubbell HBL3000 Raceway.	Ivory Gray	**HBL3000TFIV** **HBL3000TFGY** A: 2.85" (72.39) B: 2.15" (54.61) C: 1.50" (38.04)	**Take-Off Connector (Reducer)** Transition Hubbell HBL3000 Raceway to Hubbell HBL2000 Raceway.	Ivory Gray	**HBL3200REDIV** **HBL3200REDGY** A: 2.75" (69.85) B: 2.25" (57.15)
Wall Box Connector For connecting to HBL3000 Raceway from a flush mounted wall box.	Ivory Gray	**HBL3014CIV** **HBL3014CGY** A: 8.00" (203.20) B: 3.28" (83.31)	**Tap-Off Fitting** Has concentric ½ in. and ¾ in. trade size KOs and twistout for communication cables.	Ivory Gray	**HBL3046H2IV** **HBL3046H2GY** A: 4.75" (120.65)
Cover Clip Use to cover potential openings where two pieces of HBL3000 Raceway come together.	Ivory Gray	**HBL3006EIV** **HBL3006EGY** A: 2.78" (70.60) B: .75" (19.05)	**Supporting Clip** For supporting lengths of HBL3000 Raceway at any point. Mount with #8 flat head fastener. Has set screw for locking to raceway.	Ivory Gray	**HBL3003IV** **HBL3003GY** A: 2.81" (71.33) B: .75" (19.05)
Wire Clip (Plated) For holding conductors in place.	Steel*	**HBL3000WCGY** A: 1.00" (25.40)	**Rigid Inside Coupling (Plated)** For joining lengths of HBL3000 Raceway when added rigidity is required, i.e. raceway suspended overhead.	Steel*	**HBL3001AGY** A: 6.00" (152.40)
Coupling (Plated) For joining lengths of HBL3000 Raceway.	Steel*	**HBL3001GY** A: 2.20" (55.75)			

*Note: *Galvanized Steel.*

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

Metal Raceway

HBL3000 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Switch Cover For installing single pole, two pole, three way or four way switches. Includes HBL3007CGY device bracket.	Ivory Gray	**HBL3040CEIV** **HBL3040CEGY** A: 4.50" (114.30)	**Rectangular Style Line® Recept. Cover** For installing 15A and 20A rectangular duplex receptacles, GFCI, surge devices, and rectangular communication frames shown on page T-45. Includes HBL3007CGY device bracket.	Ivory Gray	**HBL3048RIV** **HBL3048RGY** A: 4.50" (114.30)
Duplex Receptacle Cover For installing 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes HBL3007CGY device bracket.	Ivory Gray	**HBL3043BEIV** **HBL3043BEGY** A: 4.50" (114.30)	**Duplex Receptacle Cover** For high strain/vibration. For installing 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes device brackets.	Ivory Gray	**HBL3046BEIV** **HBL3046BEGY** A: 5.38" (136.65)
Single Receptacle Cover For installing straight blade and locking single receptacles with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). Includes HBL3007CGY device bracket.	Ivory Gray	**HBL3027AEIV** **HBL3027AEGY** A: 4.50" (114.30)	**Single Receptacle Cover** For installing straight blade and locking single receptacles with face diameters of 1.56 in. to 1.57 in. (39.62 to 39.88). Includes HBL3007CGY device bracket.	Ivory Gray	**HBL3033JEIV** **HBL3033JEGY** A: 4.50" (114.30)
Blank Cover Has one ½ in. trade size KO in center. Includes HBL3007CGY bracket.	Ivory Gray	**HBL3036HEIV** **HBL3036HEGY** A: 4.50" (114.30)	**Extension Cover** Cover accepts 3-wire 30A and 50A devices and standard commercially available flush plates. Includes HBL3007CGY device bracket. See page T-45 for plate options.	Ivory Gray	**HBL3051LEIV** **HBL3051LEGY** A: 4.50" (114.30)
Device Bracket For mounting standard devices in HBL3000 Raceway. Use with commercially available flush plate (not furnished).	Steel*	**HBL3007CGY** A: 4.50" (114.30) B: 3.28" (83.31)			

*Note: *Galvanized Steel.*

Description	Color	Catalog Number	Description	Color	Catalog Number
Base Cutter Portable cutter for HBL3000 Raceway Base.		**HBL630B**	**Cover Cutter** Portable cutter for HBL3000 Raceway Cover.		**HBL630C**
Replacement Blade Cutter and Die Set Base blade set.		**HBL630BDK**	**Replacement Blade Cutter and Die Set** Cover blade set.		**HBL630CDK**
Touch-Up Paint Per	Ivory Gray	**HBLIWEP** **HBLGWEP**			

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

Products at a Glance

HBL4750 Device Bracket

- HBL4750 Device Bracket Plate provides excellent solution for power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION modules and bezels
- Provides flush finish with overlap feature to hide potential miscuts

Application Capacity and Flexibility

- Flexible channel divider provides industry leading data capacity in the same profile with a 2/3 datacom split
- By-Pass Divider opening accepts GFCI or surge devices to be mounted in 70/30 divided channel
- Greater capacity offers more room for moves, adds and changes
- 50/50 split available by utilizing standard divider and divider clips
- Raceway channel can also be used with no divider for maximum cable fill in single service applications

End Reducing Connector

- Connects HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway
- Used to connect two different sized raceway profiles

Extensive Line

- 1¼ in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be installed as an option
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish

HBL4750 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Single Channel Base Packed 50 ft. (15.24m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.75" (120.65) H: 1.75" (44.45)	Ivory Gray	**HBL4750B10IV** **HBL4750B10GY** A: 120.00" (3048.00) B: 4.75" (120.65) C: 1.62" (41.20)	**5 Ft. Cover** Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL4750CIV** **HBL4750CGY** A: 60.00" (1,524.0) B: 4.75" (120.65)
			31 In. Precut Cover* For 36 in. (915.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C315IV** **HBL4750C315GY** A: 31.50" (800.10) B: 4.75" (120.65)
			19 In. Precut Cover* For 24 in. (610.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C195IV** **HBL4750C195GY** A: 19.50" (495.30) B: 4.75" (120.65)
			13 In. Precut Cover* For 18 in. (457.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C135IV** **HBL4750C135GY** A: 13.50" (342.90) B: 4.75" (120.65)
			7 In. Precut Cover* For 12 in. (305.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C075IV** **HBL4750C075GY** A: 7.50" (190.50) B: 4.75" (120.65)

Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.

Description	Color	Catalog Number	Description	Color	Catalog Number
Divider Divides HBL4750 Raceway into two channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL4751DA Divider Clips are required to hold divider in place.	Painted Steel	**HBL4750DGY** A: 60.00" (1,524.0) B: 1.51" (38.46)	**By-Pass Divider** Divides HBL4750 Raceway into two channels with a 70/30 split. Allows for a larger power or datacom wire fill HBL4751DA Divider Clips are required to hold divider in place.	Painted Steel	**HBL4750BP** A: 7.12" (180.74) B: .89" (22.54)
Divider Clip Required for holding HBL4750DGY in place. Use one every 2.5 ft. (.762m).	Steel**	**HBL4751DA** A: 4.64" (117.77) B: 1.46" (37.07)	**Wire Clip (Plated)** For holding conductors in place.	Steel**	**HBL4750WCGY** A: 4.60" (116.74) B: 1.58" (40.13) C: 1.00" (25.40)
Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.	Steel**	**HBL4717TCAGY** A: 4.59" (116.59) B: 2.71" (68.73) C: 1.47" (37.34)	**Coupling (Plated)** For joining lengths of HBL4750 Raceway. Sold in pairs.	Steel**	**HBL4751AC** A: 1.47" (37.30) B: .42" (10.59)

Note: **Galvanized Steel.

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

Metal Raceway

HBL4750 Series

Elbows

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow, Divided For inside surfaces at right angles. Full capacity 1¼ in. bend radius internal elbow.	Ivory Gray	**HBL4717DFOIV*** **HBL4717DFOGY*** A: 4.74" (120.47) B: 4.75" (120.65)	**Internal Elbow, Undivided** For inside surfaces at right angles.	Ivory Gray	**HBL4717IV*** **HBL4717GY*** A: 4.74" (120.47) B: 4.75" (120.65)
External Elbow, Divided For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow.	Ivory Gray	**HBL4718DFOIV*** **HBL4718DFOGY*** A: 4.88" (123.90) B: 4.75" (120.65)	**External Elbow, Undivided** For right angle turns around external corners.	Ivory Gray	**HBL4718IV*** **HBL4718GY*** A: 4.88" (123.90) B: 4.75" (120.65)
Flat Elbow, Divided For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow.	Ivory Gray	**HBL4711DFOIV*** **HBL4711DFOGY*** A: 7.23" (183.76) B: 1.62" (41.15)	**Flat Elbow, Undivided** For right angle turns on same surface.	Ivory Gray	**HBL4711IV*** **HBL4711GY*** A: 7.23" (183.76) B: 1.62" (41.15)
Internal or External 45° Elbow For making internal or external turns in a run of HBL4750 Raceway.	Ivory Gray	**HBL4712TXIV** **HBL4712TXGY** A: 6.04" (153.45) B: 4.59" (116.59)	**Inverted Internal Elbow** For connecting a vertical run of HBL4750 Raceway with a horizontal run.	Ivory Gray	**HBL4717NIV** **HBL4717NGY** A: 4.60" (116.84) B: 1.66" (42.29)

Tees

Description	Color	Catalog Number	Description	Color	Catalog Number
Tee Fitting, Divided For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	Ivory Gray	**HBL4715DFOIV*** **HBL4715DFOGY*** A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)	**Tee Fitting, Undivided** For branches at right angles.	Ivory Gray	**HBL4715IV*** **HBL4715GY*** A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)

*Note: *HBL4751AC couplings included.*

Dimensions in Inches (mm)

UL LISTED CSA CERTIFIED

HBL4750 Series

End Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Entrance End Fitting, Divided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in., 1¼ in. KO and removable divider.	Ivory Gray	**HBL4710DFOIV*** **HBL4710DFOGY*** A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)	**Entrance End Fitting, Undivided** For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	Ivory Gray	**HBL4710IV*** **HBL4710GY*** A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)
Blank End Fitting For closing open end of HBL4750 Raceway. Has two ½ in. trade size KOs.	Ivory Gray	**HBL4710BIV** **HBL4710BGY** A: 4.59" (116.50) B: 1.64" (41.60) C: 1.31" (33.37)	**Panel Connector** To connect HBL4750 Raceway with surface type panel boxes.	Ivory Gray	**HBL4786AIV** **HBL4786AGY** A: 7.50" (190.50)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Transition Fitting For transitioning Wiremold® 4000 Raceway to Hubbell HBL4750 Raceway.	Ivory Gray	**HBL4750TFIV** **HBL4750TFGY** A: 5.02" (127.53) B: 2.79" (70.78)	**Wall Box Connector** For back feeding HBL4750 Raceway.	Ivory Gray	**HBL4714AIV** **HBL4714AGY** A: 12.00" (304.80) B: 4.75" (120.65) C: 1.62" (41.15)
End Reducing Connector For connecting HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway. Includes HBL2401DC coupling (HBL4751AC not included).	Ivory Gray	**HBL4724REDIV** A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)	**Bridge Fitting** To bridge HBL4750 series raceway over perpendicular run of raceway or other obstruction. Use standard raceway base and cover, cut in field to required length. Consists of two bridge pieces.	Ivory Gray	**HBL4775DKITIV** **HBL4775DKITGY** A: 4.76" (120.90) B: 5.00" (127.00) C: 3.38" (85.85)
Take-Off Connector **(HBL4750 To HBL3000)** For 90° tee connection of HBL3000 Raceway from HBL4750 Raceway.	Ivory Gray	**HBL4774AIV** **HBL4774AGY** A: 11.31" (287.38) B: 4.88" (124.00) C: 3.14" (79.78)	**2-Gang Tap-Off Fitting** Has four concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	**HBL4746H2IV** **HBL4746H2GY** A: 4.75" (120.65) B: 4.75" (120.65)
Connection Cover For covering potential openings where two covers come together.	Ivory Gray	**HBL4756AIV** **HBL4756AGY** A: 4.77" (121.16) B: .75" (19.05) C: .13" (3.36)			

Note: *HBL4751AC couplings included.

Dimensions in Inches (mm)

Wiremold® is a registered trademark of the Wiremold Company.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

UL LISTED · CSA CERTIFIED

HBL4750 Series

Device Plates and Mounting Bracket

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Commercial Device Plate Vertical Mount Use with commercially available 1-gang flush plates. See page T-45 for plate options. For single service applications only.	Ivory Gray	HBL4747CVMIV HBL4747CVMGY A: 2.50" (63.50) B: 4.75" (120.65)	**2-Gang Commercial Device Plate Vertical Mount** Use with commercially available 2-gang flush plates. See page T-45 for plate options. For single service applications only.	Ivory Gray	HBL4747CVM2IV HBL4747CVM2GY A: 4.32" (109.86) B: 4.75" (120.65)
2-Gang, One Opening for 1-Gang Comm. Device Plate, One Blank Use with commercially available 1-gang flush plates. See page T-45 for plate options.	Ivory Gray	HBL4747C1IV HBL4747C1GY A: 5.12" (130.18) B: 4.75" (120.65)	**2-Gang, One Opening for 2-Gang Commercial Device Plate** Use with commercially available 2-gang flush plates. See page T-45 for plate options.	Ivory Gray	HBL4747C2IV HBL4747C2GY A: 5.12" (130.18) B: 4.75" (120.65)
Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages T-45 and T-46 for datacom product selection.	Ivory Gray	HBL4750IV HBL4750GY A: 5.25" (133.35) B: 4.76" (120.90)			

2-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number	Description	Color	Catalog Number
2-Gang Cover, Single Round Opening, One Blank For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.00 to 36.00).	Ivory Gray	HBL4747AXIV HBL4747AXGY A: 5.43" (137.97) B: 4.75" (120.65)	**2-Gang, Single Round Opening, One Blank** For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).	Ivory Gray	HBL4747JXIV HBL4747JXGY A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Blank For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45.	Ivory Gray	HBL4747BXIV HBL4747BXGY A: 5.43" (137.97) B: 4.75" (120.65)	**2-Gang, One Style Line® Opening, One Blank** For Style Line rectangular receptacles, GFCI and surge devices and rectangular communication frames shown on page T-45.	Ivory Gray	HBL4747RXIV HBL4747RXGY A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, Two Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45.	Ivory Gray	HBL4747BBIV HBL4747BBGY A: 5.43" (137.97) B: 4.75" (120.65)	**2-Gang, One Style Line® Opening, One Modular Furniture** For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page T-45. Includes modular furniture with two keystone twistouts.	Ivory Gray	HBL4747RFIV HBL4747RFGY A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes modular furniture with two keystone twistouts.	Ivory Gray	HBL4747BFIV HBL4747BFGY A: 5.43" (137.97) B: 4.75" (120.65)	**2-Gang, One Duplex Opening, One Style Line® Opening** For 15A and 20A duplex receptacles and Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page T-45.	Ivory Gray	HBL4747BRIV HBL4747BRGY A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Ortronics® Series II® Mini Adapter Bezel For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® Series II® Mini Adapter Bezel.	Ivory Gray	HBL4747BSIV HBL4747BSGY A: 5.43" (137.97) B: 4.75" (120.65)	**2-Gang, One Duplex Opening, One Ortronics® TracJack® Mini Adapter Bezel** For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® TracJack® Mini Adapter Bezel.	Ivory Gray	HBL4747BTIV HBL4747BTGY A: 5.43" (137.97) B: 4.75" (120.65)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.

Dimensions in Inches (mm)

HBL4750 Series

4-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number	Description	Color	Catalog Number
4-Gang, Four Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45.	Ivory Gray	**HBL47472BBBBIV** **HBL47472BBBBGY** A: 10.22" (259.56) B: 4.75" (120.65)	**4-Gang, Two Style Line® Openings, Two Blanks** For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page T-45. Includes two blanks.	Ivory Gray	**HBL47472RRXXIV** **HBL47472RRXXGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Style Line® Openings For 15A and 20A duplex receptacles. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page T-45.	Ivory Gray	**HBL47472BBRRIV** **HBL47472BBRRGY** A: 10.22" (259.56) B: 4.75" (120.65)	**4-Gang, Two Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels** For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® Series II® Mini Adapter Bezels.	Ivory Gray	**HBL47472BBSSIV** **HBL47472BBSSGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes two modular furniture with two keystone twistouts.	Ivory Gray	**HBL47472BBFFIV** **HBL47472BBFFGY** A: 10.22" (259.56) B: 4.75" (120.65)	**4-Gang, Two Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels** For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® TracJack® Mini Adapter Bezels.	Ivory Gray	**HBL47472BBTTIV** **HBL47472BBTTGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Blanks For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes two blanks.	Ivory Gray	**HBL47472BBXXIV** **HBL47472BBXXGY** A: 10.22" (259.56) B: 4.75" (120.65)			

Tools

Description	Color	Catalog Number	Description	Catalog Number
Base Cutter Cutter for cutting base of HBL4750 Raceway.		**HBL640B**	**Cover Cutter** Cutter for cutting cover of HBL4750 Raceway.	**HBL640C**
Replacement Blade Cutter and Die Set Base blade set.		**HBL640BDK**	**Replacement Blade Cutter and Die Set** Cover blade set.	**HBL640CDK**
Touch-Up Paint Pen	Ivory Gray	**HBLIWEP** **HBLGWEP**		

Dimensions in Inches (mm)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.

Products at a Glance

HBL6750 Device Bracket

- HBL6750 Device Bracket Plate provides excellent solution for three channel power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION Modules and Bezels
- Provides flush finish with overlap feature to hide potential miscuts

Maximum Capacity

- HBL6750 Series options include single channel (no divider), two channel (1/3, 2/3 divider) or three channel (1/3, 1/3, 1/3 divider)
- HBL6750 Series offers maximum capacity in a low profile raceway
- HBL6750, two channel version, features industry leading capacity equivalent to a HBL4750 single channel profile with an additional channel
- Low profile raceway provides a less conspicuous profile than competitive versions
- Available in 10 ft. (3m) lengths

Unique Line of Fittings

- 1¼ in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be field installed
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish

Plates and Covers

- Wide variety of overlapping cover plates provide flexibility for power, data, voice, audio and video applications
- Available in both three and six-gang options
- Cover plates accept wide selection of Hubbell iSTATION Modules and Bezels
- Cover plates help to conceal unsightly gaps caused by miscuts
- Precut cover options allow for 12 in. (304.80mm), 18 in. (457.20mm), 24 in. (609.60mm) and 36 in. (914.40mm) "on-center" mounting
- Open System architecture available

HBL6750 Series

HBL6750 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Single Channel Base Packed 20 ft. (6.1m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.75" (171.45) H: 2.22" (56.39)	Ivory Gray	**HBL6750B10IV** **HBL6750B10GY** A: 120.00" (3048.00) B: 6.75" (171.45) C: 2.12" (53.85)	**5 Ft. Cover** Packed 20 ft. (6.1m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL6750CIV** **HBL6750CGY** A: 60.00" (1,524.0) B: 6.75" (171.45)
			31 In. Precut Cover* For 36 in. (915.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C315IV** **HBL6750C315GY** A: 31.50" (800.10) B: 6.75" (171.45)
			19 In. Precut Cover* For 24 in. (610.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C195IV** **HBL6750C195GY** A: 19.50" (495.30) B: 6.75" (171.45)
			13 In. Precut Cover* For 18 in. (457.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C135IV** **HBL6750C135GY** A: 13.50" (342.90) B: 6.75" (171.45)
			7 In. Precut Cover* For 12 in. (305.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C075IV** **HBL6750C075GY** A: 7.50" (190.50) B: 6.75" (171.45)

Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Divider Divides HBL6750 Raceway into two or three channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL6751DAGY Divider Clips are required to hold divider in place.	Painted Steel	**HBL6750DAGY** A: 60.00" (1524.00) B: 2.03" (51.56)	**Wire Clip (Plated)** For holding conductors in place.	Steel**	**HBL6750WCGY** A: 6.61" (167.80) B: 2.09" (53.05)
Divider Clip (Plated) Required for holding HBL6750DAGY in place. Use one every 2.5 ft. (.762m).	Steel**	**HBL6751DAGY** A: 6.60" (167.67) B: 1.97" (50.10)	**Coupling (Plated)** For joining lengths of HBL6750 Raceway. Sold in pairs.	Steel**	**HBL6751A** A: 2.00" (50.71) B: .42" (10.59)
Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.	Steel**	**HBL6717TCAGY** A: 6.56" (166.62) B: 1.94" (49.28)			

Note: **Galvanized Steel.

Dimensions in Inches (mm)

UL LISTED CSA CERTIFIED

HBL6750 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
Elbows	**Internal Elbow, Divided** For inside surface at right angles. Full capacity 1¼ in. bend radius internal elbow.	Ivory Gray	**HBL6717DFOIV*** **HBL6717DFOGY*** A: 4.74" (120.47) B: 6.75" (171.45)	**Internal Elbow, Undivided** For inside surface at right angles.	Ivory Gray	**HBL6717IV*** **HBL6717GY*** A: 4.74" (120.47) B: 6.75" (171.45)
	External Elbow, Divided For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow.	Ivory Gray	**HBL6718DFOIV*** **HBL6718DFOGY*** A: 5.83" (148.21) B: 6.75" (171.45)	**External Elbow, Undivided** For right angle turns around external corners.	Ivory Gray	**HBL6718IV*** **HBL6718GY*** A: 5.83" (148.21) B: 6.75" (171.45)
	Flat Elbow, Divided For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow.	Ivory Gray	**HBL6711DFOIV*** **HBL6711DFOGY*** A: 9.23" (234.45) B: 6.75" (171.45) C: 2.14" (54.23) D: 9.83" (249.69) E: 6.75" (171.45)	**Flat Elbow, Undivided** For right angle turns on same surface.	Ivory Gray	**HBL6711IV*** **HBL6711GY*** A: 9.23" (234.45) B: 6.75" (171.45) C: 2.14" (54.23) D: 9.83" (249.69) E: 6.75" (171.45)
	Internal or External 45° Elbow For making internal or external turns in a run of HBL6750 Raceway.	Ivory Gray	**HBL6712TXIV** **HBL6712TXGY** A: 6.53" (165.93) B: 6.56" (166.62)	**Inverted Internal Elbow** For connecting a vertical run of HBL6750 Raceway with a horizontal run.	Ivory Gray	**HBL6717NIV** **HBL6717NGY** A: 6.56" (166.62) B: 5.13" (130.30)

	Description	Color	Catalog Number	Description	Color	Catalog Number
Tees	**Tee Fitting, Divided** For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	Ivory Gray	**HBL6715DFOIV*** **HBL6715DFOGY*** A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)	**Tee Fitting, Undivided** For branches at right angles.	Ivory Gray	**HBL6715IV*** **HBL6715GY*** A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)

Note: *HBL6751A couplings included.

Dimensions in Inches (mm)

UL LISTED · CSA CERTIFIED

HBL6750 Series

End Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Entrance End Fitting, Divided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in. and 1¼ in. KO and removable dividers.	Ivory Gray	**HBL6710DFOIV*** **HBL6710DFOGY*** A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)	**Entrance End Fitting, Undivided** For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	Ivory Gray	**HBL6710IV*** **HBL6710GY*** A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)
Blank End Fitting For closing open end of HBL6750 Raceway. Has three ½ in. trade size KOs.	Ivory Gray	**HBL6710BIV** **HBL6710BGY** A: 6.56" (166.62) B: 1.98" (50.41) C: 1.33" (33.90)	**Panel Connector** To connect HBL6750 Raceway with surface type panel boxes.	Ivory Gray	**HBL6786IV** **HBL6786GY** A: 7.51" (190.86) B: 2.00" (50.83) C: 7.89" (200.37) D: 2.38" (60.34)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 6000 Raceway to Hubbell HBL6750 Raceway.	Ivory Gray	**HBL6750TFIV** **HBL6750TFGY** A: 4.35" (110.42) B: 6.96" (176.87)	**Wall Box Connector** For back feeding HBL6750 Raceway.	Ivory Gray	**HBL6714AIV** **HBL6714AGY** A: 6.75" (171.45) B: 2.14" (54.28) C: 9.90" (251.46)
Take-Off Connector (HBL6750-HBL4750) For 90° tee connection of HBL4750 Raceway from HBL6750 Raceway.	Ivory Gray	**HBL6774AIV** **HBL6774AGY** A: 14.36" (364.76) B: 6.75" (171.45) C: 11.47" (291.29) D: 6.72" (170.69)	**3-Gang Tap-Off Fitting** Has six concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	**HBL6746HHHIV** **HBL6746HHHGY** A: 4.35" (110.42) B: 6.96" (176.87)
Connection Cover For covering potential openings where two covers come together.	Ivory Gray	**HBL6756AIV** **HBL6756AGY** A: 6.75" (171.45) B: .59" (14.89)			

*Note: *HBL4751AC couplings included.*

Dimensions in Inches (mm)

Wiremold® is a registered trademark of the Wiremold Company.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

HBL6750 Series

Device Plates & Mounting Bracket

Description	Color	Catalog Number	Description	Color	Catalog Number
3-Gang, One Opening for 1-Gang Commercial Device Plate, Two Blanks Use with commercially available 1-gang flush plates. See page T-45 for plate options.	Ivory Gray	**HBL6747C1IV HBL6747C1GY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, One Opening for 2-Gang Commercial Device Plate, One Blank** Use with commercially available 2-gang flush plates. See page T-45 for plate options.	Ivory Gray	**HBL6747C2IV HBL6747C2GY** A: 5.43" (137.97) B: 6.75" (171.45)
Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages T-45 and T-46 for datacom product selection.	Ivory Gray	**HBL6750IV HBL6750GY** A: 5.25" (133.35) B: 6.75" (171.45)			

3-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number	Description	Color	Catalog Number
3-Gang, One Duplex Opening, Two Blanks For 15A and 20A duplex receptacles and duplex communication plates.	Ivory Gray	**HBL6747BXXIV HBL6747BXXGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, One Single Round Opening, Two Blanks** For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.05 to 35.31).	Ivory Gray	**HBL6747AXXIV HBL6747AXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, Three Duplex Openings For 15A and 20A duplex receptacles and duplex communication plates.	Ivory Gray	**HBL6747BBBIV HBL6747BBBGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, One Single Round Opening, Two Blanks** For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).	Ivory Gray	**HBL6747JXXIV HBL6747JXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, One Duplex Opening, Two Style Line® Openings For 15A and 20A duplex receptacles and duplex communication plates. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page T-45.	Ivory Gray	**HBL6747BRRIV HBL6747BRRGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, One Style Line® Opening, Two Blanks** For one Style Line rectangular receptacle, GFCI, surge device or rectangular communication device.	Ivory Gray	**HBL6747RXXIV HBL6747RXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, Two Duplex Openings, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes modular furniture with two keystone twistouts.	Ivory Gray	**HBL6747BBFIV HBL6747BBFGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, Two Style Line® Openings, One Modular Furniture** For two Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page T-45. Includes modular furniture with two keystone twistouts.	Ivory Gray	**HBL6747RRFIV HBL6747RRFGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, Two Duplex Openings, One Ortronics® Series II® Mini Adapter Bezel For two 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes Ortronics® Series II® Mini Adapter Bezel.	Ivory Gray	**HBL6747BBSIV HBL6747BBSGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, Two Duplex Openings, One Ortronics® TracJack® Mini Adapter Bezel** For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes Ortronics® TracJack® Mini Adapter Bezel.	Ivory Gray	**HBL6747BBTIV HBL6747BBTGY** A: 5.43" (137.97) B: 6.75" (171.45)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.

Dimensions in Inches (mm)

UL LISTED   CSA CERTIFIED

HBL6750 Series

6-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number	Description	Color	Catalog Number
6-Gang, Six Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45.	Ivory Gray	**HBL67473BBBBBBIV** **HBL67473BBBBBBGY** A: 10.22" (259.56) B: 6.75" (171.45)	**6-Gang, Four Style Line® Openings, Two Blanks** For four Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page T-45.	Ivory Gray	**HBL67473RRRRXXIV** **HBL67473RRRRXXGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Two Duplex Openings, Four Style Line® Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication devices.	Ivory Gray	**HBL67473BBRRRRIV** **HBL67473BBRRRRGY** A: 10.22" (259.56) B: 6.75" (171.45)	**6-Gang, Four Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels** For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes two Ortronics® Series II® Mini Adapter Bezels.	Ivory Gray	**HBL67473BBBBSSIV** **HBL67473BBBBSSGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes two modular furniture with two keystone twistouts.	Ivory Gray	**HBL67473BBBBFFIV** **HBL67473BBBBFFGY** A: 10.22" (259.56) B: 6.75" (171.45)	**6-Gang, Four Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels** For 15A and 20A duplex receptacles and duplex communication frames shown on page T-45. Includes two Ortronics® TracJack® Mini Adapter Bezels.	Ivory Gray	**HBL67473BBBBTTIV** **HBL67473BBBBTTGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Blanks For four 15A and 20A duplex receptacles and duplex communication frames shown on page T-45.	Ivory Gray	**HBL67473BBBBXXIV** **HBL67473BBBBXXGY** A: 10.22" (259.56) B: 6.75" (171.45)			

Tools

Description	Color	Catalog Number	Description	Color	Catalog Number
Base Cutter Cutter for cutting base of HBL6750 Raceway.		**HBL660B**	**Cover Cutter** Cutter for cutting cover of HBL6750 Raceway.		**HBL660C**
Replacement Blade Cutter and Die Set Base blade set.		**HBL660BDK**	**Replacement Blade Cutter and Die Set** Cover blade set.		**HBL660CDK**
Touch-Up Paint Pen	Ivory Gray	**HBLIWEP** **HBLGWEP**			

Dimensions in Inches (mm)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.

Aluminum Raceway

Products at a Glance

HBLALU2000 Series

- Single channel aluminum raceway
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified

Aluminum Boxes

- Both in-line and standard boxes available
- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation
- Rounded corners eliminate sharp edges
- One seam construction provides "clean" look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available. See section O for selection

Wide Selection of Fittings

- Elbows (external, internal, flat) and tee fitting available to accommodate all types of applications
- HBLALU2001 Coupling included with elbows and tee fitting

Aluminum PlugTrak® Featuring Exclusive Receptacle Design

- Satin anodized scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBLALU2000 Aluminum Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant versions available

Aluminum Raceway

HBLALU2000 Series

	Description	Material	Catalog Number	Description	Material	Catalog Number
HBLALU2000 Series	**5 Ft. Base** Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALU2000B5** A: .82" (21.00) B: 1.84" (46.74)	**Cover** Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALU2000C5** A: 1.84" (46.74)
	10 Ft. Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 1.84" (46.74) H: .91" (23.11)	Anodized Aluminum	**HBLALU2000B10** A: .82" (21.00) B: 1.84" (46.74)			

	Description	Material	1-Gang	2-Gang	Description	Material	Round Box
Standard	**Device Box** For standard switches and receptacles.	Anodized Aluminum	**HBLALU2047** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	**HBLALU20472** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	**Fixture Box with Solid Base** To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).	Anodized Aluminum	**HBLALU2038** A: 1.38" (35.05) B: 4.93" (125.22)
Deep	**Device Box** For deep switches and receptacles.	Anodized Aluminum	**HBLALU2044** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.15)	**HBLALU20442** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)			
	Base Trade Size KOs		1 - ½", ¾" Concentric 1 - Rectangular	1 - ½" 1 - Rectangular			

	Description	Material	Catalog Number	Description	Material	Catalog Number
Elbows and Tees	**Internal Elbow** For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU2017*** A: 3.00" (76.20) B: 3.00" (76.20)	**External Elbow** For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU2018*** A: 2.91" (74.04) B: 2.91" (74.04)
	Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU2011*** A: 3.00" (76.20) B: 3.00" (76.20)	**Tee Fitting** For branch connections of right angles.	Anodized Aluminum	**HBLALU2015*** A: 4.00" (101.60) B: 3.40" (86.36)

*Note: *HBLALU2001 couplings included.*

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

UL LISTED   CSA® CERTIFIED

HBLALU2000 Series

End Fittings

Description	Material	Catalog Number	Description	Material	Catalog Number
Entrance End Fitting ½ in. NPT steel fitting.	Anodized Aluminum Plate	**HBLALU2010A** A: 1.84" (47.74) B: .91" (23.11) C: 1.51" (38.35)	**Blank End Fitting** For closing end of raceway.	Anodized Aluminum	**HBLALU2010B** A: 1.84" (46.74) B: .91" (23.11)

Fittings

Description	Material	Catalog Number	Description	Material	Catalog Number
Cover Clip Use to cover potential openings where two pieces of HBLALU2000 Raceway cover come together.	Stainless Steel	**HBLALU2006** A: 1.00" (25.40)	**Wire Clip** For holding conductors in place.	Anodized Aluminum	**HBLALU2000WC** A: .44" (11.20)
Flush Plate Adaptor For feeding HBL2000 Raceway from an existing wall outlet. Locknut included.	Anodized Aluminum	**HBLALU2051H** A: 4.50" (114.3) B: 4.50" (114.3)	**Coupling (Pair)** For joining lengths of HBLALU2000 Raceway.	Aluminum	**HBLALU2001** A: 1.67" (42.42) B: 1.67" (42.42)

Devices and In-Line Fittings

Description	Material	Catalog Number	Description	Material	Catalog Number
In-Line Switch Fitting (Switch sold separately).	Anodized Aluminum	**HBLALU2040A** A: 4.12" (104.65) B: 1.84" (46.74)	**Ground Adapter (Plated)** For connection of equipment grounding conductor to provide an additional ground to raceway. Screws included.	Steel**	**HBLALU2009** A: 2.35" (59.8) B: 1.18" (30.0)
Supporting Clip For mounting lengths of HBLALU2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening.	Stainless Steel	**HBLALU2003** A: 2.00" (50.80)			

Note: *HBLALU2001 couplings included.
**Galvanized Steel.

Dimensions in Inches (mm)

UL LISTED **CSA CERTIFIED**

Aluminum PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.

◄•←→ USB

TR Tamper-Resistant

	Amp Circuits	Single Recept.	USB Ports	Receptacle Spacing (in.)	Catalog Number
3 Foot	15 Single	6	—	6	**HBLALU20GB306**
	15 IG/Single	6	—	6	**HBLALU20IG306**
	15 TR/Single	6	—	6	**HBLALU20GB306TR** TR
	15 USB/Single	2	2	12	**HBLALU20GB312U** TR ◄•←→
	20 Single	6	—	6	**HBLALU24GB306**
	20 IG/Single	6	—	6	**HBLALU24IG306**
	20 TR/Single	6	—	6	**HBLALU24GB306TR** TR
5 Foot	15 Single	10	—	6	**HBLALU20GB506**
	15 Single	5	—	12	**HBLALU20GB512**
	15 IG/Single	10	—	6	**HBLALU20IG506**
	15 TR/Single	5	—	12	**HBLALU20GB512TR** TR
	20 Single	10	—	6	**HBLALU24GB506**
	20 Single	5	—	12	**HBLALU24GB512**
	20 IG/Single	10	—	6	**HBLALU24IG506**
	20 TR/Single	5	—	12	**HBLALU24GB512TR** TR
6 Foot	15 Single	12	—	6	**HBLALU20GB606**
	15 Single	6	—	12	**HBLALU20GB612**
	15 Single	4	—	18	**HBLALU20GB618**
	15 Two	12	—	6	**HBLALU20GBA606**
	15 Two	6	—	12	**HBLALU20GBA612**
	15 Two	4	—	18	**HBLALU20GBA618**
	15 IG/Single	12	—	6	**HBLALU20IG606**
	15 USB/Single	4	4	12	**HBLALU20GB612U** TR ◄•←→
	20 Single	12	—	6	**HBLALU24GB606**
	20 Single	6	—	12	**HBLALU24GB612**
	20 Single	4	—	18	**HBLALU24GB618**
	20 Two	12	—	6	**HBLALU24GBA606**
	20 Two	6	—	12	**HBLALU24GBA612**
	20 Two	4	—	18	**HBLALU24GBA618**
	20 IG/Single	12	—	6	**HBLALU24IG606**

	Description		Catalog Number
Device Boxes	Standard 1-Gang Device Box		**HBLALU2047**
	Deep 1-Gang Device Box		**HBLALU2044**
	Standard 2-Gang Device Box		**HBLALU20472**
	Deep 2-Gang Device Box		**HBLALU20442**
	Round Box		**HBLALU2038**
Elbows and Tees	External Elbow		**HBLALU2018**
	Internal Elbow		**HBLALU2017**
	Flat Elbow		**HBLALU2011**
	Tee		**HBLALU2015**
Fittings	Cover Clip		**HBLALU2006**
	Supporting Clip		**HBLALU2003**
	Coupling		**HBLALU2001**
	Entrance End Fitting		**HBLALU2010A**
	In-Line Switch Fitting		**HBLALU2040A**
	Blank End Fitting		**HBLALU2010B**

Note: See pages T-34 and T-35 for additional information.

Note: IG = Isolated Ground, TR = Tamper-Resistant and U = USB.
Hubbell Aluminum PlugTrak is supplied with two HBLALU2010B blank end fittings and one HBLALU2001 coupling.

Dimensions in Inches (mm)

Products at a Glance

HBLALU3800 and HBLALU4800 Series

- Single and two channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified

Split Covers

- Single and two channel raceways utilize common cover
- Split covers allow access to one service at a time
- Common aesthetics throughout line

Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both single and two channel versions

Device Cover Plates

- Cover plates can be used for both HBLALU3800 and HBLALU4800 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength

Available in PRE-WIRED

UL LISTED **CSA CERTIFIED**

HBLALU3800 Series

HBLALU3800 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Single Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 3.00" (76.20) H: 2.25" (57.15)	Anodized Aluminum	**HBLALU3800B10** A: 2.10" (53.34) B: 3.00" (76.20)	**Cover** Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC5** A: 3.00" (76.20)

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU3817*** A: 6.00" (152.40) B: 6.00" (152.40)	**Inverted Internal Elbow** For connecting a vertical run of HBLALU3800 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU3817N*** A: 6.00" (152.40) B: 5.98" (151.89)
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU3818*** A: 6.00" (152.40) B: 6.00" (152.40)	**Tee** For branch connections of two runs of HBLALU3800 Raceway.	Anodized Aluminum	**HBLALU3815*** A: 6.00" (152.40) B: 6.00" (152.40)
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU3811*** A: 6.00" (152.40) B: 6.00" (152.40)			
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU3810B1** A: 3.00" (76.20) B: 2.31" (58.74)	**Blank End Fitting** For closing end of raceway.	Anodized Aluminum	**HBLALU3810B** A: 3.00" (76.20) B: 2.31" (58.74)
Cover Clip To cover seam where lengths of HBLALU3800 Raceway come together.	Stainless Steel	**HBLALU3806** A: 1.38" (34.92)	**Wire Clip** For holding conductors in place. Can be used for either HBLALU3800 or HBLALU4800 Raceway.	Anodized Aluminum	**HBLALUWC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU17A** A: 4.00" (101.80) B: 2.00" (50.83)	**Grounding Adapter** For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU09** A: 4.00" (101.80) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base.	Aluminum	**HBLALU01** A: 2.85" (72.39) B: 4.00" (101.80)			

Elbows and Tees

End Fittings

Fittings

*Note: *HBLALU01 couplings included.*
See page T-40 for cover plates.

Dimensions in Inches (mm)

Aluminum Raceway

HBLALU4800 Series

HBLALU4800 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.00" (152.40) H: 2.25" (57.15)	Anodized Aluminum	**HBLALU4800B10** A: 2.10" (53.34) B: 6.00" (152.40)	**Cover (Single Channel)** Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC5** A: 3.00" (76.20)

Elbows and Tees

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow (Two Channel) For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU4817*** A: 6.00" (152.40) B: 6.00" (152.40)	**Inverted Internal Elbow (Two Channel)** For connecting a vertical run of HBLALU4800 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU4817N*** A: 6.00" (152.40) B: 5.98" (151.89)
External Elbow (Two Channel) For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU4818*** A: 6.00" (152.40) B: 6.00" (152.40)	**Tee (Two Channel)** For branch connections of two runs of HBLALU4800 Raceway.	Anodized Aluminum	**HBLALU4815*** A: 9.00" (228.60) B: 9.00" (228.60)
Flat Elbow (Two Channel) For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU4811*** A: 9.00" (228.60) B: 9.00" (228.60)			

End Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Entrance End Fitting (Two Channel) For feeding raceway, has two concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU4810B2** A: 6.00" (152.40) B: 2.31" (58.74)	**Blank End Fitting (Two Channel)** For closing end of raceway.	Anodized Aluminum	**HBLALU4810B** A: 6.00" (152.40) B: 2.31" (58.74)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Cover Clip To cover seam where lengths of HBLALU4800 Raceway come together.	Stainless Steel	**HBLALU4806** A: 1.38" (34.92)	**Wire Clip** Used for holding conductors in place on raceway. Can be used for either HBLALU3800 or HBLALU4800 Raceway.	Anodized Aluminum	**HBLALUWC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU17A** A: 4.00" (101.80) B: 2.00" (50.83)	**Grounding Adapter** For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU09** A: 4.00" (101.80) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base.	Aluminum	**HBLALU01** A: 2.85" (72.39) B: 4.00" (101.80)			

*Note: *HBLALU01 couplings included.*
See page T-40 for cover plates.

Dimensions in Inches (mm)

HBLALU3800 and HBLALU4800 Series

Cover Plates

Description	Color	Catalog Number	Description	Color	Catalog Number
Duplex Receptacle Cover For duplex receptacles and duplex communication frames shown on page T-45.	Anodized Aluminum	**HBLALUDR** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34DRBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)	**Toggle Switch Cover** For single pole, two pole, three way or four way switches.	Anodized Aluminum	**HBLALUN** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34NBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page T-45.	Anodized Aluminum	**HBLALUG** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34GBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)	**Single Receptacle Cover** For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31).	Anodized Aluminum	**HBLALUE** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34EBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)
Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39).	Anodized Aluminum	**HBLALUF** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34FBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)	**Single Receptacle Cover** For single receptacle with face diameter of 2.13 in. (54.10).	Anodized Aluminum	**HBLALUJ** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34JBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)
Blank Cover To cover 12 in. (305.00) section of raceway.	Anodized Aluminum	**HBLALUBL** A: 3.00" (76.20) B: 12.00" (304.80)	**Ortronics® Cover Plate** For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	Anodized Aluminum	**HBLALUABRT** A: 3.00" (76.20) B: 12.00" (304.80)
Hubbell iSTATION Cover For mounting Hubbell iSTATION Modules. For the HBLALUPB use the KPIMBZGY on page T-45 with modules from page T-46. For the HBLALULPBA use the IMF1GY on page T-46 or any IFPxxGY plates on page T-45.	Anodized Aluminum	**HBLALULPB** A: 3.00" (76.20) B: 12.00" (304.80) C: 1.90 (48.26) D: 4.21 (106.93) **HBLALULPBA** A: 3.00" (76.20) B: 12.00" (304.80) C: 1.90 (48.26) D: 3.00" (76.20)			

Base Mounted Device Cover Design
No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.

Dimensions in Inches (mm)   *Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.*

Aluminum Raceway

Products at a Glance

HBLALU5000 and HBLALU7620 Series

- Two and three channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified

Covers

- Two and three channel raceway utilize common covers
- Available in single and dual channel cover designs
- Single covers allow access to one service at a time
- Dual channel cover fits over two channels for a seamless look
- Common aesthetics throughout line

Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both two and three channel versions

Compatible Cover Plates

- Cover plates can be used for both HBLALU5000 and HBLALU7620 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength

Aluminum Raceway

HBLALU5000 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 5.08" (129.03) H: 1.75" (44.45)	Anodized Aluminum	**HBLALU5000B10** A: 1.66" (42.16) B: 5.08" (129.03)	**Cover (Single Channel)** Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC57** A: 2.54" (64.52)

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU5017*** A: 6.00" (152.40) B: 6.00" (152.40)	**Inverted Internal Elbow** For connecting a vertical run of HBLALU5000 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU5017N*** A: 5.91" (150.20) B: 5.98" (151.89)
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU5018*** A: 6.00" (152.40) B: 6.00" (152.40)	**Tee** For branch connections of two runs of HBLALU5000 Raceway.	Anodized Aluminum	**HBLALU5015*** A: 9.00" (228.60) B: 8.08" (205.30)
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU5011*** A: 9.00" (228.60) B: 9.00" (228.60)			
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU5010B2** A: 5.08" (129.10) B: 1.75" (44.40)	**Blank End Fitting** For closing end of raceway.	Anodized Aluminum	**HBLALU5010B** A: 5.08" (129.10) B: 1.75" (44.40)
Cover Clip To cover seam where lengths of HBLALU5000 Raceway come together.	Stainless Steel	**HBLALU5006** A: 1.38" (34.92)	**Wire Clip** For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.	Anodized Aluminum	**HBLALU57WC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU5717A** A: 3.50" (88.90) B: 2.38" (60.30)	**Grounding Adapter** For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU5709** A: 3.37" (85.50) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base.	Aluminum	**HBLALU5701** A: 2.38" (60.30) B: 4.00" (101.80)			

Rows grouped at left: HBLALU5000 Series · Elbows and Tees · End Fittings · Fittings

*Note: *HBLALU5701 couplings included.*
See page T-44 for cover plates.

Dimensions in Inches (mm)

HBLALU7620 Series

HBLALU7620 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Three Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 7.62" (193.55) H: 2.25" (57.15)	Anodized Aluminum	**HBLALU7620B10** A: 2.16" (54.86) B: 7.62" (193.55)	**Cover (Single Channel)** Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC57** A: 2.54" (64.52)

	Description	Color	Catalog Number	Description	Color	Catalog Number
Elbow Fittings	**Internal Elbow** For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU7617*** A: 6.50" (165.10) B: 6.50" (165.10)	**Inverted Internal Elbow** For connecting a vertical run of HBLALU7620 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU7617N*** A: 6.50" (165.10) B: 5.98" (151.89)
	External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU7618*** A: 5.50" (139.70) B: 5.50" (139.70)	**Tee** For branch connections of two runs of HBLALU7620 Raceway.	Anodized Aluminum	**HBLALU7615*** A: 9.00" (228.60) B: 10.62" (269.80)
	Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU7611*** A: 11.54" (293.10) B: 11.54" (293.10)			
End Fittings	**Entrance End Fitting** For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU7610B2** A: 7.62" (193.50) B: 2.31" (58.70)	**Blank End Fitting** For closing end of raceway.	Anodized Aluminum	**HBLALU7610B** A: 7.62" (193.50) B: 2.31" (58.70)
Fittings	**Cover Clip** To cover seam where lengths of HBLALU7620 Raceway come together.	Stainless Steel	**HBLALU7606** A: 1.38" (34.92)	**Wire Clip** For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.	Anodized Aluminum	**HBLALU57WC** A: 1.00" (25.40)
	Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU5717A** A: 3.50" (88.90) B: 2.38" (60.30)	**Grounding Adapter** For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU5709** A: 3.37" (85.50) B: 2.00" (50.83)
	Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base.	Aluminum	**HBLALU5701** A: 2.38" (60.30) B: 4.00" (101.80)			

*Note: *HBLALU5701 couplings included.*
See page T-44 for cover plates.

Dimensions in Inches (mm)

UL LISTED · CSA CERTIFIED

HBLALU5000 and HBLALU7620 Series

Cover Plates

Description	Color	Catalog Number	Description	Color	Catalog Number
Duplex Receptacle Cover For duplex receptacles and duplex communication frames shown on page T-45.	Anodized Aluminum	**HBLALU57DR** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57DRBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)	**Toggle Switch Cover** For single pole, two pole, three way or four way switches.	Anodized Aluminum	**HBLALU57N** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57NBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page T-45.	Anodized Aluminum	**HBLALU57G** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57GBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)	**Blank Cover** To cover 12 in. (305.00) section of raceway.	Anodized Aluminum	**HBLALU57BL** A: 2.54" (64.50) B: 12.00" (304.80)
Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31).	Anodized Aluminum	**HBLALU57E** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57EBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)	**Single Receptacle Cover** For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39).	Anodized Aluminum	**HBLALU57F** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57FBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)
Hubbell iSTATION Cover For mounting Hubbell iSTATION modules. IMF1GY or IFPxxGY frames and plates on pages T-45 and T-46.	Anodized Aluminum	**HBLALU57LPB** A: 2.54" (64.50) B: 12.00" (304.80) C: 1.90 (48.26) D: 3.00" (76.20)	**Ortronics® Cover Plate** For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	Anodized Aluminum	**HBLALU57ABRT** A: 2.54" (64.50) B: 12.00" (304.80)
2-Gang Raised Device Box KP device plates only, found on page T-45.	Gray PVC	**HBLALU57KP2G** A: 5.08" (129.10) B: 7.64" (193.90)			

Base Mounted Device Cover Design

No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.

Dimensions in Inches (mm)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Device Brackets, Plates and Frames

	Description	Color	HBL4750 Series	HBL6750 Series
1. Choose Device Mounting Bracket	Device Mounting Bracket for HBL4750 and HBL6750 Series Metal Raceway.	Ivory Gray	**HBL4750IV** **HBL4750GY**	**HBL6750IV** **HBL6750GY**

	Color	Catalog Number		Catalog Number		Catalog Number		Catalog Number
2. Choose 1-Gang "KP" Plates	Almond Gray	**KP8AL** **KP8GY** Duplex		**KP26AL** **KP26GY** Style Line®		**KP1AL** **KP1GY** Toggle		**KP7AL** **KP7GY** Receptacle (1.41 ID)
	Almond Gray	**KP14AL** **KP14GY** Blank		**KP212AL** **KP212GY** Coax (2)		**KP2140AL** **KP2140GY** Jack/Coax		**KP720AL** **KP720GY** Receptacle (1.60 ID)
	Almond Gray	**KPORTAL** **KPORTGY** Ortronics Series II® Data Module		**KPPANAL** **KPPANGY** Panduit Mini-Com® Data Module		**KP2162AL** **KP2162GY** Modular Jacks (2)		**KP2163AL** **KP2163GY** Modular Jacks (3)
	Almond Gray	**KPIMBZAL** **KPIMBZGY** 3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section Y).						

	Color	Catalog Number		Catalog Number		Catalog Number		Catalog Number
Comm. "IFP" Plates & Frames	Ivory Gray Office White	**ISF2EI** **ISF2GY** **ISF2OW** Style Line® 2-Port		**ISF3EI** **ISF3GY** **ISF3OW** Style Line® 3-Port		**ISF4EI** **ISF4GY** **ISF4OW** Style Line® 4-Port		**ISF6EI** **ISF6GY** **ISF6OW** Style Line® 6-Port
	Ivory Gray Office White	— **IFP126GY** **IFP126OW** Style Line®		— **IFP18OW** Duplex		**BR106E** **BR106G** **BR106C** Duplex 2-Port		**Q106E** **Q106G** **Q106O** Duplex 4-Port
	Ivory Gray	**IFP12EI** **IFP12GY** Flush 2-Port		**IFP13EI** **IFP13GY** Flush 3-Port		**IFP14EI** **IFP14GY** Flush 4-Port		**IFP16EI** **IFP16GY** Flush 6-Port

Note: For HBL3000 series raceway applications, catalog number HBL3051LEIV/GY must be used with plates and devices.
See page T-46 or section Y for additional information on datacom products.

Panduit® and Mini-Com® are registered trademarks of Panduit Corp.
Ortronics® and Series II® are registered trademarks of Ortronics/Legrand.

Frame Modules and Modular Connector Fittings

	Description	Color	HBL4750 Series	HBL6750 Series
1. Choose Plate Frame	Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. Use KPIMBZOW/GY plate with modules for HBL4750 and HBL6750 Series device mounting bracket located on page T-45. See section Y for additional Hubbell iSTATION modules and datacom products.	Ivory Gray	**IMF1EI** **IMF1GY**	**IMF2EI** **IMF2GY**

Note: Each gang accepts 3 module units.

2. Choose Modules

Color		Catalog Number		Catalog Number		Catalog Number		Catalog Number
Ivory Gray		**IMB05EI** **IMB05GY** Blank Module .5 Unit		**IMB1EI** **IMB1GY** Blank Module 1 Unit		**IMB15EI** **IMB15GY** Blank Module 1.5 Unit		
Ivory Gray		**IM1K1EI** **IM1K1GY** Modular Flat 1 Unit		**IM2K1EI** **IM2K1GY** Modular Flat 1 Unit		**IM1KA15EI** **IM1KA15GY** Modular Angled 1.5 Unit		**IM2KA15EI** **IM2KA15GY** Modular Angled 1.5 Unit
Ivory Gray		**IM1SCA15EI** **IM1SCA15GY** SC 1 Duplex Angled, 1.5 Unit		**IM2SCA2EI** **IM2SCA2GY** SC 2 Duplex Angled, 2 Unit		**IM1IA15EI** **IM1IA15GY** Modular Recessed 1.5 Unit		**IM2IA15EI** **IM2IA15GY** Modular Recessed 1.5 Unit

Keystone Opening
Hole size for mounting all Hubbell Jacks.

A: .580" (14.73)
B: .760" (19.30)

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZAL/GY bezel and appropriate Hubbell iSTATION modules located in the section Y. See section Y for additional modular connectors.

Modular Connector Fittings

Color		Catalog Number		Catalog Number		Catalog Number
Ivory Gray		**SFFGEI** **SFFGGY** F-Type Coupler Gold		**SFFEX** **SFFGX** F-Type Coupler Nickel		**SFBE10** **SFBG10** Blank (10 Pack)
Ivory Gray		**SFRCRFFEI** **SFRCRFFGY** RCA Gold Pass-through F/F Coupler Red Insulator		**SFRCWFFEI** **SFRCWFFGY** RCA Gold Pass-through F/F Coupler White Insulator		**SFRCYFFEI** **SFRCYFFGY** RCA Gold Pass-through F/F Coupler Yellow Insulator
Black housing only		**SFRC110R** RCA 110 Punchdown Red Insulator		**SFRC110W** RCA 110 Punchdown White Insulator		**SFRC110Y** RCA 110 Punchdown Yellow Insulator
Black		**SFSV110BK** S-Video 110		**SFSVBK** S-Video F/F Coupler		**SFSPGBK*** **SFSPGR**** Speaker Post Connector

*Note: *Office white housing with black ring color.*
*   **Office white housing with red ring color.*

Xcelerator Modular Jacks

Color		Catalog Number		Catalog Number		Catalog Number
Ivory Gray		**HXJ5EEI** **HXJ5EGY** Cat. 5e, T568A, T568B, RJ45		**HXJ6EI** **HXJ6GY** Cat. 6, T568A, T568B, RJ45		**HXJUEI** **HXJUGY** 6 Position USOC, RJ25

Note: See section Y for additional Hubbell Xcelerator modular jacks and colors.

Dimensions in Inches (mm)

UL LISTED · CSA CERTIFIED

Wire Fill Capacity Chart and Technical Information

Metal and Aluminum Raceway Wire Fill Capacities

			Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)		
			14 AWG	12 AWG	10 AWG	4–Pair	25–Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
Series		Channel Area (sq. in.)	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Metal Raceway															
HBL500		0.22	7	5	3	2	0	1	2	1	1	1	2	8	2
HBL700		0.26	10	7	4	3	0	2	3	2	1	1	3	8	3
HBL750		0.40	12	9	5	6	1	3	5	3	2	2	6	15	6
HBL2000		0.89	7	7	0	13	3	8	10	7	4	5	13	33	12
HBL2000A		0.86	35	26	16	11	2	7	9	7	4	5	13	33	12
HBL2400		1.39	57	41	26	19	4	12	16	11	5	8	19	51	19
HBL2400D	Channel– A	0.86	26	19	11	12	2	7	9	7	3	5	12	31	11
A B	Channel– B	0.37	11	9	6	5	1	3	4	3	1	2	5	13	5
HBL3000		3.70	152	111	70	52	11	32	43	30	15	22	52	136	51
HBL4750	No Barriers	7.20	296	216	136	102	22	63	83	59	30	44	102	264	100
A B	Barrier Centered Ch. A	3.10	127	93	58	44	9	27	36	25	13	19	44	114	43
	Barrier Centered Ch. B	3.30	127	93	58	47	10	29	38	27	14	20	47	121	46
A B	Barrier Offset Ch. A	2.10	86	63	39	30	6	18	24	17	9	13	30	77	29
	Barrier Offset Ch. B	4.30	176	129	81	61	13	37	50	35	18	26	61	158	60
HBL6750	No Barriers	13.77	566	412	259	195	42	120	159	112	57	83	195	505	191
A A A	Barrier Offset $^1/_3$ Ch. A	4.59	189	138	86	65	14	40	53	37	19	28	65	168	64
A B	Barrier Offset $^2/_3$ Ch. B	9.18	379	278	173	130	28	80	106	75	38	56	130	337	128
Aluminum Raceway															
HBLALU2000		1.20	49	36	22	16	3	10	13	9	4	7	16	44	16
HBLALU3800		5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU4800	Center Barrier/ Both Channels	11.60	428	312	196	164	35	101	134	95	48	70	164	426	161
	Center Barrier/ 1 Channel	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU5000	Center Barrier/ Both Channels	7.60	312	228	142	106	22	64	86	60	30	46	106	278	104
	Center Barrier/ 1 Channel	3.80	156	114	71	53	11	32	43	30	15	23	53	139	52
HBLALU7620	2 Barriers with 3 Equal Channels/Total	15.00	618	450	282	210	45	129	171	120	60	90	210	549	207
	2 Barriers with 3 Equal Channels/ 1 Channel	5.00	206	150	94	70	15	43	57	40	20	30	70	183	69

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Physical Properties

Material	Galvanized Steel or Anodized Aluminum

Metal PlugTrak Specifications

Receptacle Rating	NEMA 5-15R and NEMA 5-20R
Wire	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic

Codes/Standards

TIA/EIA	569B
UL Standard	UL 5
Listings	E253976 /E253830 /E253833
CSA Standard	C22.2 no. 62
Certification	LR87514

Metal and Aluminum Raceway

Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL500 Series	**500 Series**
HBL502B	502
HBL605CUT	605
HBL600B	600B
HBL605K	605K
HBL500TFIV	N/A
HBL50010IV	V500
HBL504IV	V504
HBL506IV	V506
HBL511IV	V511
HBL512IV	V512
HBL517IV	V517
HBL518IV	V518
HBL750 Series	**700 Series**
HBL607CUT	607
HBL7502B	702
HBL607K	607K
HBL750TFIV	N/A
HBL75010IV	V700
HBL7504IV	V704
HBL7506IV	V706
HBL711IVA	V711
HBL712IV	V712
HBL717IVA	V717
HBL718IVA	V718
HBL500/HBL750 Series	**500/700 Series**
HBL5701C	5701
HBL5709	5709
HBL5780	5780
HBL5781	5781
HBL5782C	5782
HBL5791	5791
HBL5709GC	5709GC
HBL5781A	5781A
HBL5782A	5782A
HBL5790B	5790B
HBL5752RA	R5752
HBL5753RA	R5753
HBL5700FIVA	V5700F
HBL5703IV	V5703
HBL5711LHIVA	V5711LH
HBL5711RHIVA	V5711RH
HBL5715IVA	V5715
HBL5719IVA	V5719
HBL57242IVA	V57242
HBL5731IV	V5731
HBL5733IVA	V5733
HBL5735IVA	V5735
HBL5736IV	V5736
HBL5737IV	V5737
HBL5737AIVA	V5737A
HBL5738IVA	V5738
HBL5738AIVA	V5738A
HBL5738AFIVA	V5738AF
HBL5739IVA	V5739
HBL5739AIVA	V5739A
HBL5744IVA	V5744
HBL57442IVA	V5744-2
HBL57443IVA	V5744-3
HBL5744SIVA	V5744S
HBL5744S2IVA	V5744S-2
HBL5744S3IVA	V5744S-3
HBL5745IVA	V5745
HBL5747IVA	V5747
HBL57472IVA	V5747-2
HBL57473IVA	V5747-3
HBL5748IVA	V5748

Hubbell Catalog Number	Wiremold® Catalog Number
HBL57482IVA	V5748-2
HBL57483IVA	V5748-3
HBL57484IVA	V5748-4
HBL57485IVA	V5748-5
HBL57486IVA	V5748-6
HBL5751IVA	V5751
HBL57512IVA	V5751-2
HBL57513IVA	V5751-3
HBL5751AIVA	V5751A
HBL5752IVA	V5752
HBL5753IVA	V5753
HBL5760IVA	V5760
HBL5783IVA	V5783
HBL5784IVA	V5784
HBL5785IVA	V5785
HBL5786IVA	V5786
HBL5786AIVA	N/A
HBL5711BRIVA	N/A
HBL5715BRIVA	N/A
HBL5717BRIVA	N/A
HBL5718BRIVA	N/A
HBL2000 Series	**2000 Series**
HBL620C	620
HBL2001C	2001
HBL2003SC	2003
HBL2009GC	2009
HBL2000WC	2000WC
HBL2000WCA	N/A
HBL2017TC	2017TC
HBL620BCK	620BCK
HBL2000B5GY	G2000B-5
HBL2000BCGY	G2000BC
HBL2000BCAGY	N/A
HBL2000CGY	G2000C
HBL2000CAGY	G2100C
HBL2006GY	G2006
HBL2010A2GY	G2010A2
HBL2010A3GY	G2010A3
HBL2010BGY	G2010B
HBL2011GY	G2011
HBL2011BRGY	N/A
HBL2015GY	G2015
HBL2015BRGY	N/A
HBL2017BRGY	N/A
HBL2018BRGY	N/A
HBL2018CGY	G2018C
HBL2048GY	G2048
HBL20482GY	G2048-2
HBL2051HGY	G2051H
HBL2000TFIV	N/A
HBL2000TFGY	N/A
HBL2000B5IV	V2000B-5
HBL2000BCIV	V2000BC
HBL2000BCAIV	N/A
HBL2000CIV	V2000C
HBL2000CAIV	V2100C
HBL2006IV	V2006
HBL2010A2IV	V2010A2
HBL2010A3IV	V2010A3
HBL2010BIV	V2010B
HBL2011IV	V2011
HBL2011BRIV	N/A
HBL2015IV	V2015
HBL2015BRIV	N/A
HBL2017BRIV	N/A
HBL2018BRIV	N/A
HBL2018CIV	V2018C

Wiremold® is a registered trademark of The Wiremold Company.
Hubbell Inc. is not affiliated with The Wiremold Company.

HUBBELL® *Wiring Device-Kellems*   www.hubbell-wiring.com

Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL2048IV	V2048
HBL20482IV	V2048-2
HBL2051HIV	V2051H
HBL2089IV	V2089
HBL2089EIV	V2089E
HBL2400/HBL2400D Series	**2400/2400D Series**
HBL624CUT	624
HBL2401C	2401
HBL2409GC	2409
HBL2400WC	2400WC
HBL2401DC	2401D
HBL624BCK	624BCK
HBL24DRK	N/A
HBL24SRK	N/A
HBL24106DRK	N/A
HBL24106RRK	N/A
HBL4724REDIV	N/A
HBL2420REDIV	N/A
HBL2400TFIV	N/A
HBL2400DTFIV	N/A
HBL2400BIV	V2400B
HBL2400B10IV	V2400B-10
HBL2400BCIV	V2400BC
HBL2400BDIV	V2400BD
HBL2400CIV	V2400C
HBL2406IV	V2406
HBL2410AIV	V2410A
HBL2410BIV	V2410B
HBL2410BDIV	V2410BD
HBL2410CIV	V2410C
HBL2410DFOIV	V2410DFO
HBL2410FCIV	V2410FC
HBL2411DFOIV	V2411DFO
HBL2415DFOIV	V2411DFO
HBL2411IV	V2411FO
HBL2415IV	V2415FO
HBL2417DFOIV	V2417DFO
HBL2417IV	V2417FO
HBL2418DFOIV	V2418DFO
HBL2418IV	V2418FO
HBL2426IV	V2426
HBL2444IVA	V2444
HBL24442IV	V2444-2
HBL2444DIVA	V2444D
HBL2444D2AIV	V2444D-2A
HBL2448IVA	V2448
HBL24482IV	V2448-2
HBL2451HIV	V2451H
HBL2475DBRIV	V2475D
HBL2489IV	V2489

Hubbell Catalog Number	Wiremold® Catalog Number
HBL3000 Series	**3000 Series**
HBL630B	630B
HBL630BDK	630BDK
HBL630C	630C
HBL630CDK	630CDK
HBL3000BGY	G3000B
HBL3000C075GY	G3000C075
HBL3000C195GY	G3000C195
HBL3000CEGY	G3000CE
HBL3000WCGY	G3000WC
HBL3001GY	G3001
HBL3001AGY	G3001A
HBL3003GY	G3003
HBL3006EGY	G3006E

Hubbell Catalog Number	Wiremold® Catalog Number
HBL3007CGY	G3007C
HBL3010AEGY	G3010AE
HBL3010BGY	G3010B
HBL3010CGY	G3010C
HBL3011EGY	G3011E
HBL3014CGY	G3014C
HBL3015EGY	G3015E
HBL3017TCEGY	G3017TCE
HBL3018AEGY	G3018AE
HBL3027AEGY	G3027AE
HBL3028GY	G3028
HBL3033JEGY	G3033JE
HBL3036HEGY	G3036HE
HBL3040CEGY	G3040CE
HBL3043BEGY	G3043BE
HBL30442GY	G3044-2
HBL3046BEGY	G3046BE
HBL3046H2GY	G3046H-2
HBL3048RGY	G3048R
HBL3051LEGY	G3051LE
HBL3082GY	G3082
HBL3086GY	G3086
HBL3200REDIV	N/A
HBL3200REDGY	N/A
HBL3000TFIV	N/A
HBL3000TFGY	N/A
HBL3000BIV	V3000B
HBL3000C075IV	V3000C075
HBL3000C195IV	V3000C195
HBL3000CEIV	V3000CE
HBL3003IV	V3003
HBL3006EIV	V3006E
HBL3010AEIV	V3010AE
HBL3010BIV	V3010B
HBL3010CIV	V3010C
HBL3011EIV	V3011E
HBL3014CIV	V3014C
HBL3015EIV	V3015E
HBL3017TCEIV	V3017TCE
HBL3018AEIV	V3018AE
HBL3027AEIV	V3027AE
HBL3028IV	V3028
HBL3033JEIV	V3033JE
HBL3036HEIV	V3036HE
HBL3040CEIV	V3040CE
HBL3043BEIV	V3043BE
HBL30442IV	V3044-2
HBL3046BEIV	V3046BE
HBL3046H2IV	V3046H-2
HBL3048RIV	V3048R
HBL3051LEIV	V3051LE
HBL3086IV	V3086
HBL4750 Series	**4000 Series**
HBL4751AC	4001A
HBL4750IV	V4050
HBL640C	640C
HBL4750B10GY	G4000B-10
HBL4750C075GY	G4000C075
HBL4750C195GY	G4000C195
HBL640B	640B
HBL4747RXIV	V4047RX
HBL4747RFIV	V4047RF
HBL4747C1GY	G4047C-1
HBL4747BXGY	G4047BX
HBL4747RXGY	G4047RX
HBL4747RFGY	G4047RF
HBL4747JXGY	G4047JX

Wiremold® is a registered trademark of The Wiremold Company.
Hubbell Inc. is not affiliated with The Wiremold Company.

Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL4747C2GY	G4047C-2
HBL4715DFOGY	G4015DFO
HBL4717NGY	G4017N
HBL4746H2GY	G4046H-2
HBL4718DFOGY	G4018FO
HBL47472BBFFGY	G4047-2BBFF
HBL47472BBBBGY	G4047-2BBBB
HBL47472BBSSGY	G4047-2BBSS
HBL47472BBXXGY	G4047-2BBXX
HBL47472BBTTGY	G4047-2BBTT
HBL4747AXGY	G4047AX
HBL47472RRXXGY	G4047-2RRXX
HBL4747BFGY	G4047BF
HBL4747BBGY	G4047BB
HBL4747BRGY	N/A
HBL4747BRIV	N/A
HBL4747BTGY	G4047BT
HBL4747BSGY	G4047BS
HBL4774AGY	G4074A
HBL4750GY	G4050
HBL47472RRXXIV	V4047-2RRXX
HBL47472BBXXIV	V4047-2BBXX
HBL4747BBIV	V4047BB
HBL4747AXIV	V4047AX
HBL4747BFIV	V4047BF
HBL4747BTIV	V4047BT
HBL4747BSIV	V4047BS
HBL4747C1IV	V4047C-1
HBL4747BXIV	V4047BX
HBL4747JXIV	V4047JX
HBL4747C2IV	V4047C-2
HBL4750CIV	V4000C
HBL4750B10IV	V4000B-10
HBL4750C315IV	V4000C315
HBL4750C195IV	V4000C195
HBL4711DFOIV	V4011FO
HBL4711IV	V4011
HBL4710DFOIV	V4010DFO
HBL4710IV	V4010
HBL4710BIV	V4010B
HBL4756AIV	V4006
HBL4714AIV	V4014A
HBL4712TXIV	V4012TX
HBL4750C135IV	V4000C135
HBL4750C075IV	V4000C075
HBL4717DFOIV	V4017FO
HBL4717IV	V4017
HBL4715DFOIV	V4015DFO
HBL4715IV	V4015
HBL4718DFOIV	V4018FO
HBL4718IV	V4018
HBL4717NIV	V4017N
HBL47472BBBBIV	V4047-2BBBB
HBL4746H2IV	V4046H-2
HBL47472BBTTIV	V4047-2BBTT
HBL47472BBSSIV	V4047-2BBSS
HBL4747CVMGY	G6007C-1
HBL4786AGY	G4086A
HBL4750TFIV	N/A
HBL4747CVM2GY	G6007C-2
HBL4750BP	N/A
HBL4750TFGY	N/A
HBL4756AGY	G4006
HBL4751DA	4001DA
HBL640BDK	640BDK
HBL640CDK	640CDK
HBL4750CGY	G4000C
HBL4750C135GY	G4000C135
HBL4750C315GY	G4000C315

Hubbell Catalog Number	Wiremold® Catalog Number
HBL4750DGY	G4000D
HBL4750WCGY	G4000WC
HBL4710BGY	G4010B
HBL4710DFOGY	G4010DFO
HBL4710GY	G4010
HBL4711DFOGY	G4011FO
HBL4711GY	G4011
HBL4712TXGY	G4012TX
HBL4714AGY	G4014A
HBL4717DFOGY	G4017FO
HBL4717GY	G4017
HBL4717TCAGY	G4017TCA
HBL4774AIV	V4074A
HBL4786AIV	V4086A
HBL4747CVMIV	V6007C-1
HBL4747CVM2IV	V6007C-2

HBL6750 Series	6000 Series
HBL6751A	6001A
HBL660C	640C
HBL660CDK	640CDK
HBL660B	660B
HBL660BDK	660BDK
HBL6718DFOGY	G4018FO
HBL6718GY	G6017TX
HBL6746HHHGY	G4046H-2 (4000 Series 2-Gang)
HBL67473BBBBBBGY	G4047-2BBBB (4000 Series 2-Gang)
HBL67473BBBBFFGY	G4047-2BBFF (4000 Series 2-Gang)
HBL67473BBBBSSGY	G4047-2BBSS (4000 Series 2-Gang)
HBL67473BBBBTTGY	G4047-2BBTT (4000 Series 2-Gang)
HBL67473BBBBXXGY	G4047-2BBXX (4000 Series 2-Gang)
HBL6747AXXGY	G4047AX (4000 Series 2-Gang)
HBL6747BBBGY	G4047BB (4000 Series 2-Gang)
HBL6747BBFGY	G4047BF (4000 Series 2-Gang)
HBL6747BBSGY	G4047BS (4000 Series 2-Gang)
HBL6747BBTGY	G4047BT (4000 Series 2-Gang)
HBL6747BXXGY	G4047BX (4000 Series 2-Gang)
HBL6747C1GY	V4047C-1 (4000 Series 1-Gang Overlapping)
HBL6747C2GY	V4047C-2 (4000 Series 2-Gang Overlapping)
HBL6747JXXGY	G4047JX (4000 Series 2-Gang)
HBL6747RRFGY	G4047RF (4000 Series 2-Gang)
HBL6747RXXGY	G4047RX (4000 Series 2-Gang)
HBL67473RRRRXXGY	G4047-2RRXX
HBL6750GY	G4050
HBL6750B10GY	G6000B-10
HBL6750CGY	G6000C
HBL6750DAGY	G6000DA
HBL6750WCGY	G6000WC
HBL6751DAGY	G6001DA
HBL6756AGY	G6006
HBL6710BGY	G6010B
HBL6711DFOGY	G6011TX
HBL6711GY	G6011TX
HBL6712TXGY	G6012TX
HBL6714AGY	G6014A
HBL6717DFOGY	G6017TX
HBL6717GY	G6017TX
HBL6774AGY	G6074A
HBL6786GY	G6086
HBL6750C075IV	N/A
HBL6750C075GY	N/A
HBL6750C135IV	N/A
HBL6750C135GY	N/A
HBL6750C195IV	N/A
HBL6750C195GY	N/A
HBL6750C315IV	N/A
HBL6750C315GY	N/A
HBL6715DFOIV	N/A

Wiremold® is a registered trademark of The Wiremold Company.
Hubbell Inc. is not affiliated with The Wiremold Company.

Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL6715IV	N/A
HBL6715DFOGY	N/A
HBL6715GY	N/A
HBL6717NIV	N/A
HBL6717NGY	N/A
HBL6717TCAGY	N/A
HBL6710DFOIV	N/A
HBL6710DFOGY	N/A
HBL6750TFIV	N/A
HBL6750TFGY	N/A
HBL6718DFOIV	V4018FO
HBL6746HHHIV	V4046H-2 (4000 Series 2-Gang)
HBL67473BBBBXXGY	V4047-2BBBB (4000 Series 2-Gang)
HBL67473BBBBFFIV	V4047-2BBFF (4000 Series 2-Gang)
HBL67473BBBBSSIV	V4047-2BBSS (4000 Series 2-Gang)
HBL67473BBBBTTIV	V4047-2BBTT (4000 Series 2-Gang)
HBL67473BBBBXXIV	V4047-2BBXX (4000 Series 2-Gang)
HBL6747AXXIV	V4047AX (4000 Series 2-Gang)
HBL6747BBBIV	V4047BB (4000 Series 2-Gang)
HBL6747BBFIV	V4047BF (4000 Series 2-Gang)
HBL6747BBSIV	V4047BS (4000 Series 2-Gang)
HBL6747BBTIV	V4047BT (4000 Series 2-Gang)
HBL6747BXXIV	V4047BX (4000 Series 2-Gang)
HBL6747C1IV	V4047C-1 (4000 Series 1-Gang Overlapping)
HBL6747C2IV	V4047C-2 (4000 Series 2-Gang Overlapping)
HBL6747JXXIV	V4047JX (4000 Series 2-Gang)
HBL6747RRFIV	V4047RF (4000 Series 2-Gang)
HBL6747RXXIV	V4047RX (4000 Series 2-Gang)
HBL67473RRRRXXIV	V4047-2RRXX
HBL6750IV	V4050
HBL6750B10IV	V6000B-10
HBL6750CIV	V6000C
HBL6756AIV	V6006
HBL6710BIV	V6010B
HBL6711DFOIV	V6011TX
HBL6711IV	V6011TX
HBL6712TXIV	V6012TX
HBL6714AIV	V6014A
HBL6774AIV	V6074A
HBL6786IV	V6086

Metal PlugTrak®	Metal Plugmold®
HBL20C215IV	V20-C2
HBL20C215GY	G20-C2
HBL20C315IV	N/A
HBL20C315GY	N/A
HBL20GB306GY	G20GB306
HBL20IG306GY	G20IG306
HBL20GB506GY	G20GB506
HBL20GB512GY	G20GB512
HBL20GB606GY	G20GB606
HBL20GB609GY	G20GB609
HBL20GB612GY	G20GB612
HBL20GB618GY	G20GB618
HBL20GBA512GY	G20GBA512
HBL20GBA609GY	G20GBA609
HBL20GBA612GY	G20GBA612
HBL20GBA618GY	G20GBA618
HBL20IG512GY	G20IG512
HBL20IG606GY	G20IG606
HBL24GB306GY	G24GB306
HBL24GB506GY	G24GB506
HBL24GB512GY	G24GB512
HBL24GBA512GY	G24GBA512
HBL24GB606GY	G24GB606
HBL24GB612GY	G24GB612
HBL24GB618GY	G24GB618
HBL24GBA612GY	G24GBA612

Hubbell Catalog Number	Wiremold® Catalog Number
HBL24GBA618GY	G24GBA618
HBL20GB306IV	V20GB306
HBL20IG306IV	V20IG306
HBL20GB506IV	V20GB506
HBL20GB512IV	V20GB512
HBL20GB606IV	V20GB606
HBL20GB609IV	V20GB609
HBL20GB612IV	V20GB612
HBL20GB618IV	V20GB618
HBL20GBA512IV	V20GBA512
HBL20GBA609IV	V20GBA609
HBL20GBA612IV	V20GBA612
HBL20GBA618IV	V20GBA618
HBL20IG512IV	V20IG512
HBL20IG606IV	V20IG606
HBL24GB306IV	V24GB306
HBL24GB506IV	V24GB506
HBL24GB512IV	V24GB512
HBL24GBA512IV	V24GBA512
HBL24GB606IV	V24GB606
HBL24GB612IV	V24GB612
HBL24GB618IV	V24GB618
HBL24GBA612IV	V24GBA612
HBL24GBA618IV	V24GBA618

HBLALU2000 Series	ALA2000 Series
HBLALU2000B10	AL2000B-10
HBLALU2000B5	AL2000B-5
HBLALU2000C5	AL2000C-5
HBLALU2000WC	AL2000WC
HBLALU2001	AL2001
HBLALU2003	AL2003
HBLALU2006	AL2006
HBLALU2009	AL2009
HBLALU2010A	AL2010A
HBLALU2010B	AL2010B
HBLALU2011	AL2011
HBLALU2015	AL2015
HBLALU2017	AL2017
HBLALU2018	AL2018
HBLALU2038	AL2038
HBLALU2040A	AL2040A
HBLALU2043	AL2043
HBLALU2044	AL2044
HBLALU20442	AL2044-2
HBLALU2047	AL2047
HBLALU20472	AL2047-2
HBLALU2051H	AL2051H

Aluminum PlugTrak®	Aluminum Plugmold®
HBLALU20GB306	AL20GB306
HBLALU20GB506	AL20GB506
HBLALU20GB512	AL20GB512
HBLALU20GB606	AL20GB606
HBLALU20GB612	AL20GB612
HBLALU20GB618	AL20GB618
HBLALU20GBA606	AL20GBA606
HBLALU20GBA612	AL20GBA612
HBLALU20GBA618	AL20GBA618
HBLALU20IG306	AL20IG306
HBLALU20IG506	AL20IG506
HBLALU20IG606	AL20IG606
HBLALU24GB306	N/A
HBLALU24IG306	N/A
HBLALU24GB506	N/A
HBLALU24GB512	N/A
HBLALU24IG506	N/A
HBLALU24GB606	N/A

Wiremold® is a registered trademark of The Wiremold Company.
Hubbell Inc. is not affiliated with The Wiremold Company.

Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBLALU24GB612	N/A
HBLALU24GB618	N/A
HBLALU24GBA606	N/A
HBLALU24GBA612	N/A
HBLALU24GBA618	N/A
HBLALU24IG606	N/A

HBLALU3800 Series	ALA3800 Series
HBLALU3800B10	ALA3800B-10
HBLALU3806	ALA3806
HBLALU3810B	ALA3810B
HBLALU3810B1	ALA3810B1
HBLALU3811	ALA3811
HBLALU3815	ALA3815
HBLALU3817	ALA3817
HBLALU3817N	ALA3817N
HBLALU3818	ALA3818
HBLALUC5	ALAC-5
HBLALUWC	ALAWC

HBLALU4800 Series	ALA4800 Series
HBLALU01	ALA01
HBLALU09	ALA09
HBLALU17A	ALA17A
HBLALU4800B10	ALA4800B-10
HBLALU4806	ALA4806
HBLALU4810B	ALA4810B
HBLALU4810B2	ALA4810B2
HBLALU4811	ALA4811
HBLALU4815	ALA4815
HBLALU4817	ALA4817
HBLALU4817N	ALA4817N
HBLALU4818	ALA4818
HBLALUABRT	ALA-ABRT
HBLALUBL	ALA-BL
HBLALUDR	ALA-DR
HBLALUE	ALA-E
HBLALUF	ALA-F
HBLALUG	ALA-G
HBLALUJ	ALA-J
HBLALUN	ALA-N
HBLALULPB	N/A

Touch-Up Paint	Touch-Up Paint
HBLGWEP	GWE-S
HBLIWEP	IWE-S

Wiremold® is a registered trademark of The Wiremold Company.
Hubbell Inc. is not affiliated with The Wiremold Company.

Products at a Glance

Hubbell PolyTrak® Non-Metallic Surface Raceway

- PolyTrak® Non-Metallic Surface Raceway is a complete system with raceway, fittings, boxes and devices
- Sizes range from single channel PremiseTrak® to three channel Super BaseTrak® for all types of surface raceway requirements
- Single and two channel latching raceways are dual-rated for both power and data applications, reducing inventory requirements
- UL Listed and CSA Certified to 600 volts
- Office white color

One Box, Three Systems

- Boxes have three cut-aways that can be utilized with WallTrak®, LANTrak and PremiseTrak (Latching) systems
- Reduces inventory requirements
- Eliminates need to order three separate boxes
- Boxes available in low, standard and deep profiles.
- Two-gang divided box available for power, data, voice, audio and video applications
- Boxes utilize Hubbell KP plates or Hubbell iSTATION Modules and Bezels

Flush or Full Capacity Boxes

- Super BaseTrak® and BaseTrak® Raceway offer multiple solutions for box installation
- Super BaseTrak® in-line three-gang box allows maximum capacity in a flush design
- Super BaseTrak® and BaseTrak® available in single, two and three-gang full capacity boxes
- Two and three channel BaseTrak® (PB2 and PB3) available with one and two-gang in-line boxes
- Full capacity in-line boxes eliminate the need to de-rate the wire fill capacity due to the intrusion of devices into the raceway channel

Non-Metallic PlugTrak®

- Available as hard wired multi-outlet assembly or relocatable power tap
- Hubbell designed and manufactured 15 or 20 Amp receptacles
- UL Listed and CSA Certified
- Office white color

Hard Wired Multi-Outlet PlugTrak®

- Available in 5 ft. (1.5m) or 6 ft. (1.8m) lengths
- Available in single, two circuit and is inherently an isolated ground product
- Multiple spacing configurations
- Hard wired PlugTrak® mates with LANTrak® fittings and boxes
- Tamper-Resistant versions available

Portable PlugTrak®

- Available in 3 ft. (0.9m) or 5 ft. (1.5m) lengths
- 6 ft. (1.8m) length 15 or 20 Amp molded cord set allows reliable access
- Pre-punched holes make mounting easy

PT1 PremiseTrak® (Non-Latching)

PT1 PremiseTrak®

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PT1BC5** **PT1BC7** A: .68" (17.27) B: .75" (19.05)	**PT1ABC5** **PT1ABC7** A: .68" (17.27) B: .75" (19.05)

Device Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page T-63 for recommended plate options.	Office White	**PT12LPB** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.12" (28.45)	**1-Gang Deep Box** For deep devices or applications where additional room is beneficial. See page T-63 for recommended plate options.	Office White	**PT12DBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)
1-Gang Standard Box For standard switches and receptacles. See page T-63 for recommended plate options.	Office White	**PT12SBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)	**2-Gang Deep Box** For deep devices or applications where additional room is beneficial. Uses 2-gang "KP", "IMF", or "IFP" plates for power or data applications. See page T-63 for recommended plate options.	Office White	**PT12TGB** A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)
Round Lighting Fixture Box To hang fixtures.	Office White	**PT12LFB** A: 5.31" (134.87) B: 1.04" (26.52)			

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow, Cover Only For inside surfaces at right angles.	Office White	**PT1IE** A: 1.34" (34.04) B: 1.34" (34.04) C: 0.89" (22.61)	**External Elbow, Cover Only** For outside surfaces at right angles.	Office White	**PT1EE** A: 1.24" (31.50) B: 1.24" (31.50) C: 0.88" (22.35)
Flat Elbow, Cover Only For right angle turns on same surface.	Office White	**PT1FE** A: 1.33" (33.78) B: 1.33" (33.78) C: 0.74" (18.80)	**Tee, Cover Only** For T-connection off PremiseTrak® Raceway.	Office White	**PT1TC** A: 1.77" (44.90) B: 1.33" (33.78) C: 0.74" (18.80)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PT1SC** A: 1.00" (25.40) B: 0.74" (18.80) C: 0.89" (22.61)	**End Cap** For closing end of raceway.	Office White	**PT1EC** A: 0.88" (22.35) B: 0.74" (18.80) C: 0.89" (22.61)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PT12CA** A: 1.64" (41.66) B: 1.62" (41.15) C: 2.50" (63.50)			

Dimensions in Inches (mm)

UL LISTED CSA CERTIFIED

PP1 PremiseTrak® (Latching)

PP1 PremiseTrak®

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PP1BC5** **PP1BC7** A: 0.77" (19.56) B: 0.84" (21.34)	**PP1ABC5** **PP1ABC7** A: 0.77" (19.56) B: 0.84" (21.34)

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page T-63 for recommended plate options.	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	**1-Gang Deep Box** For deep devices or applications where additional room is beneficial. See page T-63 for recommended plate options.	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
1-Gang Standard Box For standard switches and receptacles. See page T-63 for recommended plate options.	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)	**Round Lighting Fixture Box** To hang fixtures.	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page T-63 for single gang "KP" plate options. Comes with removable divider.	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	**2-Gang Deep Undivided Box** For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page T-63 for details.	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.	Office White	**PP1IE*** **PP1IEBC**** A: 2.40" (60.96) B: 1.03" (26.16) C: 2.40" (60.96)	**External Elbow** Full capacity 1¼ in. bend radius external elbow.	Office White	**PP1EE*** **PP1EEBC**** A: 4.47" (113.54) B: 1.03" (26.16) C: 4.47" (113.54)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PP1FE*** **PP1FEBC**** A: 2.62" (66.55) B: 2.62" (66.55) C: 0.85" (21.59)	**Tee** Full capacity 1¼ in. bend radius tee.	Office White	**PP1TC*** **PP1TCBC**** A: 4.22" (107.19) B: 2.62" (66.55) C: 0.85" (21.59)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PP1SC** A: 1.09" (27.69) B: 1.02" (25.91) C: 0.85" (21.59)	**End Cap** For closing end of raceway.	Office White	**PP1EC** A: 1.00" (25.40) B: 0.84" (21.34) C: 0.77" (19.56)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PLP1CACF** A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)	**Safety Strap** For preventing potential tampering with PP1 PremiseTrak cover. Can also be used as a splice cover.	Office White	**PP1SS** A: 0.62" (15.75) B: 1.94" (49.28) C: 0.86" (21.84)

Device Boxes

Fittings

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

UL LISTED   CSA CERTIFIED

PL1 LANTrak® (Latching)

PL1 LANTrak®

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PL1BC5** **PL1BC7** A: 1.04" (26.42) B: 1.38" (35.05)	**PL1ABC5** **PL1ABC7** A: 1.04" (26.42) B: 1.38" (35.05)

Device Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page T-63 for recommended plate options.	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	**1-Gang Deep Box** For deep devices or applications where additional room is beneficial. See page T-63 for recommended plate options.	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
1-Gang Standard Box For standard switches and receptacles. See page T-63 for recommended plate options.	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)	**Round Lighting Fixture Box** To hang fixtures.	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page T-63 for single gang "KP" plate options. Comes with removable divider.	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	**2-Gang Deep Undivided Box** For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page T-63 for details.	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.	Office White	**PL1IE*** **PL1IEBC**** A: 2.51" (63.75) B: 1.57" (39.88) C: 2.51" (63.75)	**External Elbow** Full capacity 1¼ in. bend radius external elbow.	Office White	**PL1EE*** **PL1EEBC**** A: 5.06" (128.52) B: 1.57" (39.88) C: 5.06" (128.52)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PL1FE*** **PL1FEBC**** A: 3.19" (81.03) B: 3.19" (81.03) C: 1.11" (28.19)	**Tee** Full capacity 1¼ in. bend radius tee.	Office White	**PL1TC*** **PL1TCBC**** A: 4.75" (120.65) B: 3.15" (80.01) C: 1.11" (28.19)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PL1SC** A: 1.12" (28.45) B: 1.55" (39.37) C: 1.11" (28.19)	**End Cap** For closing end of raceway.	Office White	**PL1EC** A: 1.00" (25.40) B: 1.39" (35.31) C: 1.04" (26.42)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PLP1CACF** A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)	**Safety Strap** For preventing potential tampering with PL1 LANTrak cover. Can also be used as a splice cover.	Office White	**PL1SS** A: 0.62" (15.75) B: 2.68" (68.07) C: 1.12" (28.45)

Note: *Cover only. **Base and Cover.

Dimensions in Inches (mm)

UL LISTED   CSA CERTIFIED

PW1 WallTrak® Low Profile (Latching)

PW1 WallTrak®

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PW1BC5** **PW1BC7** A: .50" (12.70) B: 1.19" (30.23)	**PW1ABC5** **PW1ABC7** A: .50" (12.70) B: 1.19" (30.23)

Device Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page T-63 for recommended plate options.	Office White	**PW1LPB** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.13" (28.70)	**1-Gang Deep Box** For deep devices or applications where additional room is beneficial. See page T-63 for recommended plate options.	Office White	**PW1DBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)
1-Gang Standard Box For standard switches and receptacles. See page T-63 for recommended plate options.	Office White	**PW1SBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)	**2-Gang Deep Box** For deep devices or applications where additional room is beneficial. Uses 2-gang "KP" or "IFP" plates for power or data applications. See page T-63 for recommended plate options.	Office White	**PW1TGB** A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)
Round Lighting Fixture Box To hang fixtures.	Office White	**PW1LFB** A: 5.31" (134.87) B: 1.04" (26.52)			

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow, Cover Only For inside surfaces at right angles.	Office White	**PW1IE** A: 1.75" (44.45) B: 1.43" (36.32) C: 1.75" (44.45)	**External Elbow, Cover Only** For outside surfaces at right angles.	Office White	**PW1EE** A: 1.50" (38.10) B: 1.43" (36.32) C: 1.50" (38.10)
Flat Elbow, Cover Only For right angle turns on same surface.	Office White	**PW1FE** A: 2.18" (55.37) B: 2.18" (55.37) C: .60" (15.24)	**Tee, Cover Only** For T-connection off PremiseTrak® Raceway.	Office White	**PW1TC** A: 2.93" (74.42) B: 2.18" (55.37) C: .60" (15.24)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PW1SC** A: 1.00" (25.40) B: 1.43" (36.32) C: .60" (15.24)	**End Cap** For closing end of raceway.	Office White	**PW1EC** A: 1.00" (25.40) B: 1.24" (31.50) C: .50" (12.70)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PW1CA** A: 1.40" (35.56) B: 2.34" (59.44) C: 3.22" (81.79)			

Dimensions in Inches (mm)

Non-Metallic Raceway

UL LISTED · CSA CERTIFIED

PW2 WallTrak® (Latching)

PW2 WallTrak®

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Two channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PW2BC5** **PW2BC7** A: 1.04" (26.42) B: 2.12" (53.85)	**PW2ABC5** **PW2ABC7** A: 1.04" (26.42) B: 2.12" (53.85)

Device Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page T-63 for recommended plate options.	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	**Round Lighting Fixture Box** To hang fixtures.	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
1-Gang Standard Box For standard switches and receptacles. See page T-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered.	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)	**2-Gang Deep Undivided Box** For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page T-63 for details.	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page T-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered.	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)	**2-Gang Deep Divided Box** For deep devices or applications where additional room is beneficial. See page T-63 for single gang "KP" plate options. Comes with removable divider. If using dual services, in a perpendicular run the PDB2DIV must be ordered.	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
1-Gang Divider For use with PDB12S and PDB12D 1-gang boxes. Required when two services are passing through box.	Office White	**PDB1DIV** A: 2.79" (70.86) B: 1.40" (35.56) C: 0.94" (23.88)	**2-Gang Divider** For use with PDB12TGD 2-gang box only. Required when two services are passing through box and mounting devices perpendicular to raceway.	Office White	**PDB2DIV** A: 4.62" (117.35) B: 2.76" (70.10) C: 0.94" (23.88)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.	Office White	**PW2IE*** **PW2IEBC**** A: 2.83" (71.88) B: 2.32" (58.93) C: 2.83" (71.88)	**External Elbow** Full capacity 1¼ in. bend radius external elbow.	Office White	**PW2EE*** **PW2EEBC**** A: 5.00" (127.00) B: 2.32" (58.93) C: 5.00" (127.00)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PW2FE*** **PW2FEBC**** A: 3.94" (100.08) B: 3.94" (100.08) C: 1.11" (28.19)	**Tee** Full capacity 1¼ in. bend radius tee.	Office White	**PW2TC*** **PW2TCBC**** A: 5.42" (137.67) B: 3.91" (99.31) C: 1.90" (48.26)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PW2SC** A: 1.11" (28.19) B: 2.30" (58.42) C: 1.11" (28.19)	**Safety Strap** For preventing potential tampering with PW2 WallTrak Cover. Can also be used as a splice cover.	Office White	**PW2SS** A: 0.62" (15.75) B: 3.43" (87.12) C: 1.12" (28.45)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PW2CACF** A: 4.18" (106.17) B: 3.32" (84.33) C: 4.20" (106.68)	**Reducer** Reduces from PW2 WallTrak Raceway to one or two PP1 PremiseTrak Raceway(s).	Office White	**PW2RED** A: 1.62" (41.15) B: 2.40" (60.96) C: 1.15" (29.21)
End Cap For closing end of PW2 WallTrak Raceway.	Office White	**PW2EC** A: 1.00" (25.40) B: 2.14" (54.36) C: 1.04" (26.42)			

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Available in PRE-WIRED

UL LISTED **CSA CERTIFIED**

PB2 BaseTrak®

PB2 BaseTrak®

Description	Color	Length	Catalog Number	Description	Color	Length	Catalog Number
Base Two channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.50" (114.30) H: 1.63" (41.40)	Office White	5 ft. 10 ft.	**PB2B5** **PB2B10** A: 1.42" (36.07) B: 4.50" (114.30)	**Cover** Cover allows access to multiple channels. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.	Office White	5 ft. 10 ft.	**PB2C5** **PB2C10** B: 4.50" (114.30)
				Split Cover Cover allows separation of channels and access to a single channel. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Two split covers are required for each raceway section.	Office White	5 ft. 10 ft.	**PB2SPL5** **PB2SPL10** B: 2.22" (56.39)

Device Boxes

Description	Color	Catalog Number
2-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page T-63 for recommended single gang "KP" plate options.	Office White	**PB2IND2G** A: 7.66" (194.56) B: 4.74" (120.40) C: 1.84" (46.74)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow, Base and Cover Full capacity 1¼ in. bend radius internal elbow.	Office White	**PB3IEBCA** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	**External Elbow, Base and Cover** Full capacity 1¼ in. bend radius external elbow.	Office White	**PB3EEBCA** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
Flat Elbow, Base and Cover Full capacity 1¼ in. bend radius flat elbow.	Office White	**PB3FEBCA** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	**Tee, Base and Cover** Full capacity 1¼ in. bend radius tee.	Office White	**PB3TCBCA** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PB3SC** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)	**Safety Strap** For preventing potential tampering with PB2 BaseTrak cover. Can also be used as a splice cover.	Office White	**PB3SS** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.	Office White	**PB2CACF** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	**Reducer** Reduces from PB2 BaseTrak Raceway to PW2 WallTrak Raceway.	Office White	**PB3REDA** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
Transition Fitting Transitions horizontal PB2 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak.	Office White	**PB3TRBC** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	**Surface Panel Connector** For connecting PB2 Raceway with surface type panel boxes.	Office White	**PB3SPCA** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)
Wire Clip For holding conductors in place.	Office White	**PB2WC** A: 1.29" (50.20) B: 1.00" (25.40)	**End Cap** For closing end of PB2 BaseTrak Raceway.	Office White	**PB3ECA** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)

Dimensions in Inches (mm)

PB3 BaseTrak®

	Description		Color	Length	Catalog Number
PB3 BaseTrak®	**Base and Cover** Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.		Office White	5 ft. 10 ft.	**PB3BC5** **PB3BC10** A: 1.63" (41.40) B: 4.50" (114.30)

	Description	Color	Catalog Number	Catalog Number	Catalog Number
Device Boxes	**Full Capacity Boxes** 1-, 2- and 3-Gang boxes that allows full capacity from PB3 Raceway to box for either power or datacom applications. See page T-63 for recommended single gang "KP" plate options.	Office White	**PB3FCIB** (1-Gang) A: 4.38" (111.25) B: 4.80" (121.92) C: 3.17" (80.52)	**PB3FCIB2G** (2-Gang) A: 7.20" (182.88) B: 4.80" (121.92) C: 3.17" (80.52)	**PB3FCIB3G** (3-Gang) A: 9.96" (252.98) B: 4.80" (121.92) C: 3.17" (80.52)
	1-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page T-63 for recommended plate options.	Office White	**PB3IND** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	**2-Gang In-Line Box** For switches, receptacles and communication devices. Barriers allow separation of power and datacom. Removal of barriers allows for expanded capacity. See page T-63 for recommended single gang "KP" plate options.	Office White **PB3IND2G** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
Fittings	**Internal Elbow** Full capacity 1¼ in. bend radius internal elbow.	Office White	**PB3IE*** **PB3IEBCA**** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	**External Elbow** Full capacity 1¼ in. bend radius external elbow.	Office White **PB3EE*** **PB3EEBCA**** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
	Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PB3FE*** **PB3FEBCA**** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	**Tee** Full capacity 1¼ in. bend radius tee.	Office White **PB3TCBCA**** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
	Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PB3SC*** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)	**Safety Strap** Prevents potential tampering with PB3 BaseTrak cover. Can also be used as a splice cover.	Office White **PB3SS*** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
	Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.	Office White	**PB3CACF**** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	**Reducer** Reduces from PB3 BaseTrak Raceway to PW2 WallTrak Raceway.	Office White **PB3REDA**** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
	Transition Fitting Transitions horizontal PB3 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak.	Office White	**PB3TRBC**** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	**Transition Fitting** Transitions from BT3 (old style) BaseTrak Raceway to PB3 (new style) BaseTrak Raceway.	Office White **BTPB3TF*** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.35" (34.29)
	Surface Panel Connector For connecting PB3 Raceway with surface type panel boxes.	Office White	**PB3SPCA*** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)	**End Cap** For closing end of PB3 BaseTrak Raceway.	Office White **PB3ECA*** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)
	Wire Clip For holding conductors in place.	Office White	**PB3WC** A: 1.34" (34.10) B: 1.00" (25.40)		

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

Available in **PRE-WIRED**

UL LISTED **CSA** CERTIFIED

PS3 Super BaseTrak®

PS3 BaseTrak®

Description		Color	Length	Catalog Number
Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.		Office White	5 ft. 10 ft.	**PS3BC5** **PS3BC10** A: 1.97" (50.04) B: 6.70" (170.18)

Device Boxes

Description	Color	Catalog Number	Catalog Number	Catalog Number
Full Capacity Boxes 1-, 2- and 3-Gang boxes that allows full capacity from PS3 Raceway to box for either power or datacom applications. See page T-63 for recommended single gang "KP" plate options.	Office White	**PS3FCIB** (1-Gang) A: 4.38" (111.25) B: 6.95" (176.53) C: 3.46" (87.88)	**PS3FCIB2G** (2-Gang) A: 7.20" (182.88) B: 6.95" (176.53) C: 3.46" (87.88)	**PS3FCIB3G** (3-Gang) A: 9.96" (252.98) B: 6.95" (176.53) C: 3.46" (87.88)
3-Gang In-Line Box For any combination of power and datacom applications. Provides flush look. See page T-63 for recommended single gang "KP" plate options.			Office White	**PS3IND** A: 7.00" (177.80) B: 6.95" (176.53) C: 2.28" (57.91)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.	Office White	**PS3IE*** **PS3IEBC**** A: 4.36" (110.74) B: 6.93" (176.02) C: 4.36" (110.74)	**External Elbow** Full capacity 1¼ in. bend radius external elbow.	Office White	**PS3EE*** **PS3EEBC**** A: 6.81" (172.97) B: 6.93" (176.02) C: 6.81" (172.97)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PS3FE*** **PS3FEBC**** A: 9.85" (250.19) B: 9.85" (250.19) C: 2.08" (52.83)	**Tee** Full capacity 1¼ in. bend radius tee.	Office White	**PS3TCBC**** A: 10.00" (254.00) B: 9.68" (245.87) C: 3.30" (83.82)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PS3SC*** A: 1.56" (39.62) B: 6.95" (176.53) C: 2.03" (51.62)	**Safety Strap** Prevents potential tampering with PS3 Super BaseTrak cover. Can also be used as a splice cover.	Office White	**PS3SS*** A: 1.50" (38.10) B: 8.24" (209.30) C: 2.08" (52.85)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.	Office White	**PS3CACF**** A; 6.93" (176.02) B: 4.32" (109.73) C: 6.29" (159.77)	**Reducer** Reduces from PS3 Super BaseTrak Raceway to PB3 BaseTrak Raceway.	Office White	**PS3RED**** A: 4.81" (122.17) B: 6.93" (176.02) C: 2.05" (52.07)
Surface Panel Connector To connect PS3 Raceway with surface type panel boxes.	Office White	**PS3SPC*** A: 1.00" (25.40) B: 7.87" (199.90) C: 2.54" (64.52)	**End Cap** For closing end of PS3 Super BaseTrak Raceway.	Office White	**PS3EC*** A: 1.50" (38.10) B: 6.88" (174.75) C: 2.06" (52.32)
Wire Clip For holding conductors in place.	Office White	**PS3WC** A: 1.62" (41.15) B: 1.00" (25.40)			

*Note: *Cover only.   **Base and Cover.*

Dimensions in Inches (mm)

UL LISTED · CSA CERTIFIED

Non-Metallic PlugTrak®

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.

USB · TR Tamper-Resistant

	Amp	Circuits	Duplex Recept.	USB Ports	Recept. Spacing (in.)	Black	White	Office White
5 Foot Base and Cover	15	Single	5	—	12	PT155112BK	PT155112W	PT155112
	15	Two	5	—	12	PT155212BK	PT155212W	PT155212
	15	Single	4	—	15	PT155115BK	PT155115W	PT155115
	15	Single	2	—	30	PT155130BK	PT155130W	PT155130
	15	TR/Single	5	—	12	PT155112TRBK	PT155112TRW	PT155112TR TR
	20	Single	5	—	12	PT205112BK	PT205112W	PT205112
	20	Two	5	—	12	PT205212BK	PT205212W	PT205212
	20	Single	4	—	15	PT205115BK	PT205115W	PT205115
	20	Two	4	—	15	PT205215BK	PT205215W	PT205215
	20	Single	2	—	30	PT205130BK	PT205130W	PT205130
	20	TR/Single	5	—	12	PT205112TRBK	PT205112TRW	PT205112TR TR
6 Foot Base and Cover	15	Single	6	—	12	PT156112BK	PT156112W	PT156112
	15	Two	6	—	12	PT156212BK	PT156212W	PT156212
	15	Single	4	—	18	PT156118BK	PT156118W	PT156118
	15	Single	3	—	24	PT156124BK	PT156124W	PT156124
	15	USB/Single	4	4	12	PT156112UBK	PT156112UW	PT156112U TR USB
	20	Single	9	—	8	PT206108BK	PT206108W	PT206108
	20	Two	9	—	8	PT206208BK	PT206208W	PT206208
	20	Single	6	—	12	PT206112BK	PT206112W	PT206112
	20	Two	6	—	12	PT206212BK	PT206212W	PT206212
	20	Single	4	—	18	PT206118BK	PT206118W	PT206118
	20	Two	4	—	18	PT206218BK	PT206218W	PT206218
	20	Single	3	—	24	PT206124BK	PT206124W	PT206124
	20	Two	3	—	24	PT206224BK	PT206224W	PT206224
	20	Single	2	—	36	PT206136BK	PT206136W	PT206136

Note: Each Non-Metallic PlugTrak is supplied with one PL1EC end cap and "IG" stickers for isolated ground applications.

Supporting Mounting Clip
PL1MC

	Amp	Length (ft.)	Cord Length (ft.)	Duplex Recept.	USB Ports	Black	White	Office White
Portable	15	3	6	3	—	PT153112PBK	PT153112PW	PT153112P
	15	5	6	5	—	PT155112PBK	PT155112PW	PT155112P
	15	3	6	4	2	PT153112UPBK	PT153112UPW	PT153112UP TR USB
	20	3	6	2	—	PT203112PBK	PT203112PW	PT203112P
	20	5	6	5	—	PT205112PBK	PT205112PW	PT205112P
	Supporting Mounting Clip for Portable PlugTrak.							PL1MC

Note: Includes ON/OFF switch and circuit breaker.

	Descript.	Catalog No.	Descript.	Catalog No.
Device Boxes	1-Gang Low Profile	PDB12LP	1-Gang Deep	PDB12D
	1-Gang Standard	PDB12S	Round Lighting Fixture	PDB12LF
	2-Gang Deep Undivided	PDB12TGLV	2-Gang Deep Divided	PDB12TGD
Fittings	Internal Elbow Base and Cover	PL1IEBC	Internal Elbow Cover Only	PL1IE
	External Elbow Base and Cover	PL1EEBC	External Elbow Cover Only	PL1EE
	Flat Elbow Base and Cover	PL1FEBC	Flat Elbow Cover Only	PL1FE
	Tee Base and Cover	PL1TCBC	Tee Cover Only	PL1TC
	Splice Cover	PL1SC	Safety Strap	PL1SS
	Conduit Adapter/ Ceiling Fitting	PT12CA	Conduit Adapter/ Ceiling Fitting	PLP1CACF
	End Cap	PL1EC		

Note: For additional colors add "BK" for Black or "W" for white. See page T-56 for additional information.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

UL LISTED   CSA CERTIFIED

Plates, Frames and Modular Connector Fittings

1-Gang and 2-Gang "KP" Plates

Color	Catalog Number		Catalog Number		Catalog Number		Catalog Number		Catalog Number	
Black White Off. White	**KP8BK** **KP8W** **KP8** Duplex		**KP26BK** **KP26W** **KP26** Style Line®		**KP1BK** **KP1W** **KP1** Toggle		**KP7BK** **KP7W** **KP7** Recept. (1.41 ID)		**KP720BK** **KP720W** **KP720** Recept. (1.60 ID)	
Black White Off. White	**KP14BK** **KP14W** **KP14** Blank		**KP212BK** **KP212W** **KP212** Coax (2)		**KP2140BK** **KP2140W** **KP2140** Jack/Coax		**KP2162BK** **KP2162W** **KP2162** Modular Jacks (2)		**KP2163BK** **KP2163W** **KP2163** Modular Jacks (3)	
Black White Off. White	**KPORTBK** **KPORTW** **KPORTOW** Ortronics Series II® Data Module		**KPPANBK** **KPPANW** **KPPANOW** Panduit Mini-Com® Data Module		**KPIMBZBK** **KPIMBZW** **KPIMBZOW** 3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section Y)			
Black White Off. White	**KP82BK** **KP82W** **KP82** 2-Gang Duplex		**KP262BK** **KP262W** **KP262** 2-Gang Style Line®		**KP2BK** **KP2W** **KP2** 2-Gang Toggle		**KP24BK** **KP24W** **KP24** 2-Gang Blank	

Note: 2-Gang "KP" plates, for use with PT12TGB and PW1TGB only.

Comm. "IFP" Plates & Frames

Color	Catalog Number		Catalog Number		Catalog Number		Catalog Number		Catalog Number	
Office White	**IFP126OW** Style Line®		**ISF2OW** Style Line® 2-Port		**ISF3OW** Style Line® 3-Port		**ISF4OW** Style Line® 4-Port		**ISF6OW** Style Line® 6-Port	
Office White	**IFP18OW** Duplex		**BR106C** Duplex 2-Port		**Q106O** Duplex 4-Port		**IFP12OW** Flush 2-Port		**IFP13OW** Flush 3-Port	
Office White	**IFP14OW** Flush 4-Port		**IFP16OW** Flush 6-Port		**IFP26OW** 2-Gang 6-Port		**IFP29OW** 2-Gang 9-Port		**IFP212OW** 2-Gang 12-Port	

Frames & Modules

Description	Color	1-Gang	2-Gang
Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. See section Y for additional information on Hubbell iSTATION modules. Each gang accepts 3 module units.	Office White	**IMF1OW**	**IMF2OW**

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZOW bezel and appropriate Hubbell iSTATION modules located in section Y. See section Y for additional information on modular connectors.

Modular Connector Fittings

Color	Catalog Number	Catalog Number	Catalog Number
Office White	**SFFX** F-Connector	**SFSTSOW** ST Fiber Connector	**SFB10** Blank (10 Pack)
Black housing only	**SFRC110R** RCA 110 Punchdown	**SFSV110BK** Super S-Video	**FASTSCDSC6** SC to ST Duplex Adapter

Xcelerator Modular Jacks

Color	Catalog Number	Catalog Number	Catalog Number
Office White	**HXJ5EOW** Cat. 5e, T568A, T568B, RJ45	**HXJ6OW** Cat. 6, T568A, T568B, RJ45	**HXJUOW** 6 Position USOC, RJ25

Note: See section Y for additional Hubbell Xcelerator modular jacks and colors.

Panduit® and Mini-Com® are registered trademarks of Panduit Corp.
Ortronics® and Series II® are registered trademarks of Ortronics/Legrand.

Wire Fill Capacity Chart and Technical Information

Non-Metallic Raceway Wire Fill Capacities

Series	Channel	Channel Area (sq. in.)	Power (THHN/T90 Nylon) 14 AWG	12 AWG	10 AWG	Voice 4–Pair	25–Pair	Data (Copper Cables) Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	Data (Multimode Fiber Optic Cables) (2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in.):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
			Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
PT1	A	0.29	5	8	5	4	1	3	3	2	1	2	4	11	4
PP1	A	0.38	12	11	8	5	1	3	4	3	2	2	5	14	5
PL1	A	1.03	42	34	22	15	3	9	12	8	4	6	15	38	14
PW1	A	0.30	6	10	4	4	0	2	3	2	1	2	4	11	4
PW2	A+B	1.60	41	36	22	23	5	14	18	13	7	10	23	59	22
A B	A	0.81	12	22	12	11	2	7	9	7	3	5	11	30	11
	B	0.79	12	22	10	11	2	7	9	6	3	5	11	29	11
PB2	A+B	5.72	60	36	45	81	17	50	66	47	24	35	81	210	79
A B	A or B	2.86	42	30	28	40	9	25	33	23	12	17	40	105	40
PB3	A+B+C	5.57	60	36	45	79	17	48	64	45	23	34	79	204	77
A B C	A or C	1.80	42	30	28	25	5	16	21	15	7	11	25	66	25
	B	1.97	42	30	28	28	6	17	23	16	8	12	28	72	27
PS3	A+B+C	10.58	72	66	78	150	32	92	122	86	44	64	150	388	147
A B C	A or C	3.41	42	36	42	48	10	30	39	28	14	21	48	125	47
	B	3.76	42	36	42	53	11	33	43	31	16	23	53	138	52

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Recommended Plate to Box Compatibility Selection Chart

Non-Metallic Raceway Box Series		PS3 Series				PB3 Series					PB2 Series	PDB12 Series			PT12 & PW1 Series	
Plate Style	Sample Catalog Number	IND	FCIB	FCIB2G	FCIB3G	IND	IND2G	FCIB	FCIB2G	FCIB3G	IND2G	LP, S, D	TGD	TGLV	LP(B), S(BA), D(BA)	TGB
1-Gang KP Series Plate	**KP8**	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang KP Series Bezel	**KPIMBZ**	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang Standard Data Plate	**IFP12OW**		X	X	X	X		X	X	X		X			X	
1-Gang iSTATION Plate Frame	**IMF1OW**		X	X	X	X		X	X	X		X			X	
Style Line® Data Plate	**IFP126OW**		X	X	X	X		X	X	X		X			X	
Duplex Data Plate	**IFP18OW**		X	X	X	X		X	X	X		X			X	
2-Gang iSTATION Plate Frame	**IMF2OW**													X		X
2-Gang Standard Data Plate	**IFP29OW**													X		X
2-Gang KP Series Plate	**KP82**															X

Note: Hubbell Office White plates and devices color match all non-metallic raceway systems.

Physical Properties
(When tested in accordance with UL 5A)

Impact Resistance	5 ft. lbs.
Crush Resistance	300 lbs.
Temperature Range	-25.6° to 158° F
Flame Rating	UL94V-0
Material	UV Stabilized PVC

Codes/Standards

EIA/TIA	569A
UL Standard	UL 5A
Listings	E118895 / E119190
CSA Standard	C22.2 no. 62
Certified	LR87514

PlugTrak Specifications

Receptacle Rating	NEMA 5-15R & 5-20R
Wire	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Pre-Wired Raceway Systems

Hubbell has been setting the standard in the electrical industry since 1888, through innovations such as Twist-Lock®, Hospital Grade, and AUTOGUARD™ Self Test GFCI receptacles. Again, Hubbell has listened to our customers for new innovation, capacity requirements, and flexibility. We have taken raceway systems to the next level with **Pre-Wired Raceway Systems** that are manufactured to your specifications.

Our Pre-Wired Raceway Systems will accommodate your power and data requirements as your facility changes over time. Pre-Wired Raceways provide you with the benefit of keeping your fast track projects on schedule, and helping complete the job on time! Our Pre-Wired Raceway solutions will save up to 45% of the installation time needed for field installing component raceway parts.

Pre-Wired Raceways are available in:

✓ Steel (Ivory and Gray)

✓ Aluminum

✓ Non-Metallic (Office White)

Quality by Design
All Hubbell Pre-Wired Raceways are UL Listed and CSA Certified. Each raceway receives a 100% quality inspection and testing prior to shipment. Pre-Wired Raceway is now available with the high quality and workmanship you have come to expect from Hubbell.

Labeling and Engraving
Optional labeling is available to identify branch panels and circuits at receptacle locations. Choose from adhesive labels or engraved aluminum plates.

Wire Identification
Wire leads are clearly labeled with corresponding circuit numbers. This aids the installer when terminating to building wiring or connecting from duct to duct. Ample wire is provided at feed locations.

Metal, Aluminum and Non-Metallic Raceway

UL LISTED · CSA CERTIFIED

Pre-Wired Raceway Systems

Save Time and Money, Completing the Job Quicker and On Schedule, with Hubbell…

With Standard Raceway...

Unpack, identify and sort component parts.
Deliver components to work area for assembly and installation.

Measure and cut.
Clean and de-burr sharp edges.
Secure to the wall and fasten.

Pull wire.
Label and bundle each raceway circuit.
Install receptacles and test.

With Hubbell Pre-Wired Raceway...

Pallet delivered to your worksite, labeled by room, floor area and/or building.

Unpack and install!

Installed in half the time!

Project Support and Documentation

✓ A local and factory support team is there to assist in defining bills of material and project quotes, so costs can be budgeted accordingly.

✓ A project engineer, located at the factory, is assigned to your project as a direct point of contact.

Manufacturing and Testing

✓ Precisely measured, cleanly cut, wired and assembled to your specifications.

✓ The wiring harness is then bundled and labeled for circuit identification for ease of installation.

✓ Assembly is tested for assured continuity and 100% quality inspected before kitting.

Installs In A Snap

✓ Raceway ducts are kitted, labeled, and shipped by room, area or floor locations.

✓ Just remove raceway from the packaging and secure to the wall.

✓ Make power connections, snap on covers, test and you are done!

Options:

Circuit Identification and Labeling:
✓ Adhesive Labeling
✓ Engraving

Wiring Circuits Options:
✓ Insulation Displacement Connectors
✓ Wire Nuts
✓ Wiring Devices

Kit raceway for delivery by:
✓ Room
✓ Floor
✓ Area
✓ Building

T-66 **HUBBELL® Wiring Device-Kellems** www.hubbell-wiring.com

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

UL LISTED **CSA CERTIFIED**

Features and Benefits

Aluminum Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

HBLALU3800 Series Aluminum Raceway
Description

	Dimension
Aluminum Raceway, Single Channel, Satin Anodized Finish.	A: 2.25" (57.15) B: 3.00" (76.20)

HBLALU4800 Series Aluminum Raceway
Description

Aluminum Raceway, Two Channel, Satin Anodized Finish.	A: 2.25" (57.15) B: 6.00" (152.40)

HBLALU5000 Series Aluminum Raceway
Description

Aluminum Raceway, Two Channel, Satin Anodized Finish.	A: 1.75" (44.45) B: 5.08" (129.03)

HBLALU7620 Series Aluminum Raceway
Description

Aluminum Raceway, Three Channel, Satin Anodized Finish.	A: 2.25" (57.15) B: 7.62" (193.55)

Steel Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

HBL3000 Series Metal Raceway
Description

Steel Raceway, Single Channel, Ivory or Gray Finish.	A: 1.53" (38.86) B: 2.75" (69.85)

HBL4750 Series Metal Raceway
Description

Steel Raceway, Single or Two Channel (with Divider), Ivory or Gray Finish.	A: 1.75" (44.45) B: 4.75" (120.65)

HBL6750 Series Metal Raceway
Description

Steel Raceway, Single, Two Channel (with One Divider) or Three Channel (with Two Dividers), Ivory or Gray Finish.	A: 2.22" (56.39) B: 6.75" (171.45)

Non-Metallic Pre-Wired Raceway

PB2 BaseTrak® Series Non-Metallic Raceway
Description

Non-Metallic Raceway, Two Channel, Office White Color.	A: 1.63" (41.40) B: 4.50" (114.30)

PS3 Super BaseTrak® Series Non-Metallic Raceway
Description

Non-Metallic Raceway, Three Channel, Office White Color.	A: 1.97" (50.04) B: 6.70" (170.18)

Dimensions in Inches (mm)

Features and Benefits

Hubbell Exclusive!

UL Listed Modular Pre-Wired Raceway Systems Featuring the Flexibility of LINKOSITY® Connections

Hubbell Pre-Wired Metal Raceway with LINKOSITY® connections is a Hubbell innovation providing a flexible, modular UL Listed System that allows users to relocate furniture and equipment without the need to access the internal wiring of the raceway. The inherent flexibility of this system greatly reduces the cost of installation and future end-user costs associated with re-configuring space.

The Hubbell Metal Raceway/LINKOSITY combination can be provided as a factory assembled system or by having a licensed electrician purchase and field install the required LINKOSITY components into the metal raceway.

Features	Benefits
UL Listed, NEC Compliant assemblies	Complete code compliance minimizes design time, startup costs and building inspector acceptance.
Flexible, modular terminations	Simplifies moves, adds and changes. Reduces long term total cost of ownership.
Pre-configured, factory wired	Minimizes field wiring. Devices are custom configured to the application, tested and ready to install.
Cable rated TC-ER, MTW, STOOW	One cable suitable for use in all commercial applications
In-line 106 data/communications frame	Data/Communications may be field installed anywhere along the raceway eliminating large boxes.

LINKOSITY®

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)* *½ inch NPT rear thread*	**20** = 20A up to 600V	02 03 04 05	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue*** **other color codes available upon request. ***Two wire only.	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and 10AWG super neutral conductor on 5 and 6 wire devices)	03 04 05 06		
	30 = 30A up to 600V	04		

Example:	PH	23	06	PB	005

Cable Assemblies

The LINKOSITY® cable assemblies are code compliant with the NEC and NFPA 79, and suitable for use in virtually any environment as either a permanent or temporary installation.

Receptacles

The UL Listed LINKOSITY® male inlets or female receptacles provide the capability of interfacing directly with facility wiring by simply mounting into established fixed enclosures.

Closure Caps

Protects unused devices from the harmful effects of harsh environments.

Tees

Description	Catalog Number
LINKOSITY® M/F/F Tee, 20A, 2P	**TX2002002002T00**
LINKOSITY® M/F/F Tee, 20A, 3P	**TX2003002003T00**
LINKOSITY® M/F/F Tee, 20A, 4P	**TX2004002004T00**
LINKOSITY® M/F/F Tee, 20A, 5P	**TX2005002005T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	**TX2304002304T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	**TX2306002306T00**
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	**TX2306002304A00**
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	**TX2306002304B00**
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	**TX2306002304C00**
LINKOSITY® M/F/F Tee, 30A, 4P	**TX3004003004T00**

Specifications

Material	
Raceway	Steel, Anodized Aluminum
LINKOSITY Cables	UL 600V Type TC-ER, MTW, STOOW, polyurethatne overmolded terminations

Codes/Standards	
Raceway	UL5, surface metal raceway and fittings C22.2 no. 62, surface metal raceway and fittings TIA/EIA 569B, commercial building standard for telecom pathways and spaces
LINKOSITY	UL2238, UL50

Hubbell Trench Duct Series

Hubbell Wall Duct Series

Hubbell Underfloor Duct Series

Products at a Glance

Hubbell Trench Duct Series

The Hubbell Trench system is an in-floor wire management system that meets today's high capacity wiring needs that require multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment such as X-Ray and MRI machines.

Hubbell Wall Duct Series

The Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.

Hubbell Underfloor Duct Series

The Hubbell Underfloor Duct system is an in-slab wire management product for delivering power, voice and data services for applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries.

Underfloor Duct Raceway Activation Kits

- Available in brass and brushed aluminum to meet aesthetic requirements

- Available in one, two and three-gang options

- ScrubShield® Complies with UL514A scrub water requirements

- Flanged design may be used in tile, wood, carpet, terrazzo and bare concrete applications

- Uniform look when used in same areas where Hubbell floor boxes are installed

Features and Benefits

A high capacity trench system for in-floor wire management.

The Hubbell Trench system is an in-floor wire management system that meets today's high capacity wiring needs that require multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment such as X-Ray and MRI machines. Trench duct is also used as a stand alone system for commercial and retail applications where ease of access and high capacity are crucial variables.

Multiple compartments provide more capacity than conventional ducts.

The Hubbell Trench system provides more capacity than conventional conduits and ducts. It features a single, high-capacity duct with multi-compartments for easy placement of additional wiring.

It's open top design allows wiring to be laid in the duct instead of being pulled, eliminating the need for junction boxes.

Removable covers are ¼" thick and lock into the track of the trench. Internal dividers and/or support strips increase load capacity of heavy-duty cover. These removable covers allow free access to wiring and can be placed anywhere along the duct for easy wire exit relocation.

- High capacity design supports large wiring for single and multiple service requirements
- Open top design allows wire to be easily laid in duct
- Cover plates are removable and adjust horizontally to any point along the duct. Custom lengths of trench and fittings are available. Provided in either galvanized G90 steel or nonferrous aluminum.
- Multiple compartment options allows for multiple circuit and low voltage separation
- Innovative duct support assembly allows for pre-pour leveling
- Packaging and labeling by project floor and room is available

Trench Duct Range of Offering

Trench Product	Depth ½" Increments	Width	Compartments	Cover Plate
OKA = Trench	**A** = 2"	**9**	**1C** = 1 Compartment	**1/4** = ¼" thick
OKB = Pull Box	**B** = 2½"	**12**	**2C** = 2 Compartment	
OKC = Exit Cover	**C** = 3"	**18**	**3C** = 3 Compartment	
OKE = End Cap	**D** = 3½"	**24**	**4C** = 4 Compartment	
OKL = Horizontal L	**E** = 4"	(Other Widths Avail.)		
OKR = Vertical Riser	**J** = 6"			
OKT = T Junction Box	**N** = 8"			
OKX = X Junction Box	(Other Depths Available)			

*Note: For Alumimum Trench Duct or Fittings, add **"AL"** suffix to catalog number.*

Trench and Wall Duct Products

Hubbell Trench Duct Series and Fittings

Ordering Information Notes:

1. Common use sizes are listed below. Contact factory for other configurations or see page U-3 for Range of Offering table.
2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers.
   Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Trench Duct

Description	Trench Depth	Cover Width	No. of Compartments	Catalog Number
Straight Section Manufactured in standard 6' lengths with factory installed dividers. Provided with (3) leveling feet/couplers on each side, (3) 24" long cover plates and (3) cover plate joint protectors.	2½"	9"	1	**OKA/B9-1C-1/4**
	3"	9"	2	**OKA/C9-2C-1/4**
	2½"	12"	2	**OKA/B12-2C-1/4**
	3"	12"	3	**OKA/C12-3C-1/4**
	2½"	18"	3	**OKA/B18-3C-1/4**
	3"	18"	4	**OKA/C18-4C-1/4**
	2½"	24"	3	**OKA/B24-3C-1/4**
	3"	24"	4	**OKA/C24-4C-1/4**

*Note: For Alumimum Trench Duct or Fittings, add **"AL"** suffix to catalog number.*

Fittings

Description	Outside Cover	No. of Compartments	Catalog Number
Horizontal "L" Fitting Manufactured with a single cover and matching internal partitions to form a 90° horizontal "L". Includes cover plate joint protectors and leveling feet.	12" x 12"	1	**OKL/B9-1C**
	12" x 12"	2	**OKL/C9-2C**
	15" x 15"	2	**OKL/B12-2C**
	15" x 15"	3	**OKL/C12-3C**
	21" x 21"	3	**OKL/B18-3C**
	21" x 21"	4	**OKL/C18-4C**
	27" x 27"	3	**OKL/B24-3C**
	27" x 27"	4	**OKL/C24-4C**
Horizontal 45° Elbow Fitting Manufactured with a split cover plate and matching internal partitions to form a 45° Mitered "L". Other angles available. Includes cover plate joint protectors and leveling feet.	45°	1	**OKL/B9-1Cx45**
	45°	2	**OKL/C9-2Cx45**
	45°	2	**OKL/B12-2Cx45**
	45°	3	**OKL/C12-3Cx45**
	45°	3	**OKL/B18-3Cx45**
	45°	4	**OKL/C18-4Cx45**
	45°	3	**OKL/B24-3Cx45**
	45°	4	**OKL/C24-4Cx45**
Single Level "T" Junction Fitting Manufactured with matching internal partitions and crossovers to isolate power and communications. Includes cover plate joint protectors and leveling feet.	15" x 12"	1	**OKT/B9-1C**
	15" x 12"	2	**OKT/C9-2C**
	18" x 15"	2	**OKT/B12-2C**
	18" x 15"	3	**OKT/C12-3C**
	24" x 21"	3	**OKT/B18-3C**
	24" x 21"	4	**OKT/C18-4C**
	30" x 27"	3	**OKT/B24-3C**
	30" x 27"	4	**OKT/C24-4C**
Pull Box Manufactured to attach to trench section replacing end cap. Divided into compartments as shown. Additional depth permits attachment of large conduits. Box is field punched for conduits. Standard depth is 6".	9" x 12"	1	**OKB/B9-1C**
	9" x 12"	2	**OKB/C9-2C**
	12" x 12"	2	**OKB/B12-2C**
	12" x 12"	3	**OKB/C12-3C**
	18" x 12"	3	**OKB/B18-3C**
	18" x 12"	4	**OKB/C18-4C**
	24" x 12"	3	**OKB/B24-3C**
	24" x 12"	4	**OKB/C24-4C**

Exit Cover Fittings

Description	Trench Width	Max Size Conduit	Catalog Number
Exit Cover Designed to provide exit and feed for Trench Duct. Conduit openings are provided for power and communication exit or feed using conventional fittings or service fittings. Cable Exit Cap (OKSK) is for communication cable only. Exit fittings cover may be spaced anywhere along the length of the trench. All exit fitting covers are 6" long.	9"	¾"	**OKC/9-3/4A**
	12"	¾"	**OKC/12-3/4A**
	18"	¾"	**OKC/18-3/4A**
	24"	¾"	**OKC/24-3/4A**
	9"	¾"	**OKC/9-3/4C**
	12"	¾"	**OKC/12-3/4C**
	18"	¾"	**OKC/18-3/4C**
	24"	¾"	**OKC/24-3/4C**
Cable Exit Cap Fits opening in Type "A" Exit Cover. Provides outlet for communication cable. Debris barrier included. Cable Exit Cap constructed from die cast aluminum. For use with Type "A" exit covers only.	All	—	**OKSK**

Type "A"   Type "C"

Hubbell Trench Duct Fittings

Ordering Information Notes:

1. Common use sizes are listed below. Contact factory for other configurations or see page U-3 for Range of Offering table.

2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers.
*   Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

Fittings

Description	Outside Cover	No. of Compartments	Catalog Number
Single Level "X" Junction Fitting	15" x 15"	1	**OKX/B9-1C**
Manufactured with matching internal partitions and	15" x 15"	2	**OKX/C9-2C**
crossovers to isolate power and communications.	18" x 18"	2	**OKX/B12-2C**
Includes cover plate joint protectors and leveling feet.	18" x 18"	3	**OKX/C12-3C**
	24" x 24"	3	**OKX/B18-3C**
	24" x 24"	4	**OKX/C18-4C**
	30" x 30"	3	**OKX/B24-3C**
	30" x 30"	4	**OKX/C24-4C**

Description	Fits Trench Dim. (Width x Depth)	Max Trade Size Conduit	Catalog Number
End Cap	9" x 2½"	¾"	**OKE/B9**
Fits over end of trench run to close trench and prevent	9" x 3"	1"	**OKE/C9**
foreign material from entering. End cap may be drilled to	12" x 2½"	¾"	**OKE/B12**
accept conduit.	12" x 3"	1"	**OKE/C12**
	18" x 2½"	¾"	**OKE/B18**
	18" x 3"	1"	**OKE/C18**
	24" x 2½"	¾"	**OKE/B24**
	24" x 3"	1"	**OKE/C24**

Description	Fits Trench Width	No. of Compartments	Catalog Number
Vertical Riser Fitting (Straight)	9"	1	**OKR/D9-1C**
Manufactured to transition from trench duct to a panel,	9"	2	**OKR/D9-2C**
pull box or to conduit. Mounts on trench in place of cover.	12"	2	**OKR/D12-2C**
Partitioned to separate cells and flanged to attach to a	12"	3	**OKR/D12-3C**
pull box or panel. Removable front cover and top cover.	18"	3	**OKR/D18-3C**
Includes OWV trench-to-wall duct adapter. Standard	18"	4	**OKR/D18-4C**
height above finish floor —12". Standard depth —3½".	24"	3	**OKR/D24-3C**
Available in a sweep version (replace OKR with OKSWR)	24"	4	**OKR/D24-4C**

Additional Fittings

Description	Trench Width #1	Trench Width #2	Catalog Number
Reducer Fitting	9"	6"	**OKARED/B9-6-2C**
Manufactured to transition from a wide trench duct	12"	9"	**OKARED/B12-9-3C**
width to a narrower trench duct width.	18"	12"	**OKARED/B18-12-3C**
	24"	18"	**OKARED/B24-18-4C**
Fastening Angles	Horizontal Angle	—	**OK/VWI**
Accessories to join trench sections for field fabrication	Vertical Angle	—	**OK/VVW**
of horizontal and vertical assemblies.			

Trench Duct Accessories

Description	Accessory Type	Catalog Number
Permits 1" of pre-pour vertical adjustment and couples sections together. "x" represents screw height (max. 6") and height of trench. Additional vertical adjustment is available by increasing the length of screw "x".	Single Leveling Foot Assembly	**OK/F-x**
Provides a 1½" wide surface (with gasket) for cover plate joints. "x" represents trench width.	Single Cover Plate Joint Protector	**OK/DSD-x**
Separates trench duct compartments. "x" represents trench depth (see catalog number system).	Divider	**OKP/x**
Provided with ⁵⁄₁₆ x 18 bolts on 6" or 12" centers for increased cover plate weight loading capability.	Support Stud Strip	**Consult Factory**

Tunnel Fittings

Description	No. of Compartments	"T" Unit Fitting Type	"X" Unit Fitting Type
Tunnels	2, 3, or 4	**Consult Factory**	**Consult Factory**
Factory installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be ordered separately and field installed.			

Trench and Wall Duct Products

Features and Benefits

The Hubbell Wall Duct is a UL Listed metal raceway system designed for the enclosure of wiring of MRI or X-Ray equipment in medical applications.
The system provides complete lay-in wiring capability in order to accommodate the large cables and connectors used in today's installations.

Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.

Wall Duct is available in ferrous steel and non-ferrous aluminum versions.

- Lay in wiring accommodates large cables and connectors to connect equipment
- Corrosion resistant galvannealed A60 steel or non ferrous aluminum versions
- Flush (primarily wall) and Surface (primarily ceiling) mount provides flexibility to address specific equipment placement and unique room design requirements
- Hubbell Wall Duct is utilized with Hubbell Trench Duct
- Packaging and labeling by project floor and room is available

Wall Duct Range of Offering

Wall Duct Product		Depth ½" Increments	Width	Cover Style
OWA = Wall Duct	**OWI** = Internal Elbow	**A** = 2"	**6**	**S** = Surface
OWB = Adapter	**OWL** = External Elbow	**B** = 2½"	**10**	**F** = Flush
OWC = Coupling	**OWP** = Partition	**C** = 3"	**12**	
OWD = Reducer Coupling	**OWR** = Vertical Riser	**D** = 3½"	**18**	
OWE = End Closure	**OWT** = T Unit	**E** = 4"	(Other	
OWF = Cabinet Connector	**OWV** = Trench to Wall Duct Adapter	**J** = 6"	Widths	
OWH = Horizontal Elbow	**OWX** = X Unit	**N** = 8"	Available)	
		(Other Depths Available)		

*Note: For Aluminum Wall Duct or Fittings, add **"AL"** suffix to catalog number.*

Hubbell Wall Duct Series and Fittings

Ordering Information Notes:

1. Common use sizes are listed below. Contact factory for other configurations or see page U-6 for Range of Offering table.

2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

	Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number
Wall Duct	**Wall and Ceiling Duct** Manufactured in standard 60" lengths with two 30" long cover plates. Provided with one coupling and necessary screws.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWA/D10F** **OWA/D12F** **OWA/D18F**	10" 12" 18"	**OWA/D10S** **OWA/D12S** **OWA/D18S**

Note: For Alumimum Wall Duct or Fittings, add "AL" suffix to catalog number.

	Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number
Elbow Fittings	**Internal Elbow** Forms a sharp 90° Internal "L". Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWI/D10F** **OWI/D12F** **OWI/D18F**	10" 12" 18"	**OWI/D10S** **OWI/D12S** **OWI/D18S**
	Internal Elbow, Sweep Forms a chamfered 90° Internal "L" for increased cable bend radius. Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWSWI/D10F** **OWSWI/D12F** **OWSWI/D18F**	10" 12" 18"	**OWSWI/D10S** **OWSWI/D12S** **OWSWI/D18S**
	Internal 45° Elbow Forms a 45° Vertical "L". Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWI45/D10F** **OWI45/D12F** **OWI45/D18F**	10" 12" 18"	**OWI45/D10S** **OWI45/D12S** **OWI45/D18S**
	Horizontal Elbow Forms a 90° Horizontal "L". Provided with one cover plate, one coupling and necessary screws. Corner divider "OWCP" ordered separately.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWH/D10F** **OWH/D12F** **OWH/D18F**	10" 12" 18"	**OWH/D10S** **OWH/D12S** **OWH/D18S**
	Horizontal 45° Elbow Forms a 45° Horizontal "L". Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWH45/D10F** **OWH45/D12F** **OWH45/D18F**	10" 12" 18"	**OWH45/D10S** **OWH45/D12S** **OWH45/D18S**
	External Elbow Forms a sharp 90° External "L". Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWL/D10F** **OWL/D12F** **OWL/D18F**	10" 12" 18"	**OWL/D10S** **OWL/D12S** **OWL/D18S**

Note: Images shown are surface mount.

Trench and Wall Duct Products

Hubbell Wall Duct Fittings

Ordering Information Notes:

1. Common use sizes are listed below. Contact factory for other configurations or see page U-6 for Range of Offering table.
2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

	Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Internal / External Elbows	**Internal / External Elbow** Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	— — —	10" 12" 18"	**SPOWI/D10S** **SPOWI/D12S** **SPOWI/D18S**	
	Internal / External Elbow, Sweep Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	— — —	10" 12" 18"	**SPOWSWI/D10S** **SPOWSWI/D12S** **SPOWSWI/D18S**	
"T" Units	**Vertical "T" Unit** Forms a 90° Vertical "T". Provided with three cover plates, two couplings and necessary screws.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWVT/D10F** **OWVT/D12F** **OWVT/D18F**	10" 12" 18"	**OWVT/D10S** **OWVT/D12S** **OWVT/D18S**	
	Horizontal "T" Unit Forms a 90° Horizontal "T". Provided with one cover plate, one coupling and necessary screws. Tunnels are ordered separately.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWT/D10F** **OWT/D12F** **OWT/D18F**	10" 12" 18"	**OWT/D10S** **OWT/D12S** **OWT/D18S**	
"X" Unit	**"X" Unit** Forms intersection of four perpendicular ducts. Provided with one cover plate, two coupling and necessary screws. Tunnels are ordered separately.	3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆"	12" 14" 20"	**OWX/D10F** **OWX/D12F** **OWX/D18F**	10" 12" 18"	**OWX/D10S** **OWX/D12S** **OWX/D18S**	

	Description	For Trench Width	For Wall Duct (Width x Depth)	Flush Catalog Number	Surface Catalog Number	
Vertical Riser Fittings	**Vertical Riser Fitting, Straight** Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12" (7" for OWR/D12x10). Standard depth — 3½". Provided with one coupling and necessary screws.	10" 12" 18" 12"	10" x 3½" 12" x 3½" 18" x 3½" 10" x 3½"	**OWR/D10F** **OWR/D12F** **OWR/D18F** **OWR/D12-10F**	**OWR/D10S** **OWR/D12S** **OWR/D18S** **OWR/D12-10S**	
	Vertical Riser Fitting, Sweep Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12". Standard depth —3½". Provided with one coupling and necessary screws.	10" 12" 18" 12"	10" x 3½" 12" x 3½" 18" x 3½" 10" x 3½"	**OWSWR/D10F** **OWSWR/D12F** **OWSWR/D18F** **OWSWR/D12-10F**	**OWSWR/D10S** **OWSWR/D12S** **OWSWR/D18S** **OWSWR/D12-10S**	

	Description	Overall Depth	Flush Wall Duct Body Width	Surface Cover Width	Catalog Number	
Adapter Fitting	**Flush to Surface Adapter** Transitions from flush wall duct to perpendicular surface wall duct. Provided with one cover plate, two couplings and necessary screws.	3½" 3½" 3½" 3½"	9¹³⁄₁₆" 11¹³⁄₁₆" 17¹³⁄₁₆" 17¹³⁄₁₆"	10" 18" 12" 18"	**OWB/D10-10** **OWB/D12-18** **OWB/D18-12** **OWB/D18-18**	

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Hubbell Wall Duct Fittings

Ordering Information Notes:

1. Common use sizes are listed below. Contact factory for other configurations or see page U-6 for Range of Offering table.

2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Additional Fittings

Description	Overall Depth	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Split Cover Plate Provides wire egress from raceway. Provided with assembly screws and grommet material.	— — —	12" 14" 20"	**OWSC/10F** **OWSC/12F** **OWSC/18F**	10" 12" 18"	**OWSC/10S** **OWSC/12S** **OWSC/18S**	
End Cap Closes off end of wall duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	**OWE/D10F** **OWE/D12F** **OWE/D18F**	10" 12" 18"	**OWE/D10S** **OWE/D12S** **OWE/D18S**	
Cabinet Connector Connects wall duct to enclosures. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	**OWF/D10** **OWF/D12** **OWF/D18**	10" 12" 18"	**OWF/D10** **OWF/D12** **OWF/D18**	
Coupling Joins surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	**OWC/D10** **OWC/D12** **OWC/D18**	10" 12" 18"	**OWC/D10** **OWC/D12** **OWC/D18**	
Trench to Wall Duct Adapter Transitions from trench duct to a vertical run of wall duct when not using the OWR series Vertical Riser. Mounts on trench in place of cover. Provided with necessary screws.	3½" 3½" 3½"	12" 14" 20"	**OWV/D10** **OWV/D12** **OWV/D18**	10" 12" 18"	**OWV/D10** **OWV/D12** **OWV/D18**	
Reducer Coupling Joins two sizes of surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½"	20" to 12" 20" to 14"	**OWD/D (18-10)** **OWD/D (18-12)**	18" to 10" 18" to 12"	**OWD/D (18-10)** **OWD/D (18-12)**	

Note: Grommet material is available to cover field cut openings in Wall Duct. Outside dimensions of grommet is ¼" x ⁵⁄₁₆" and is made from SBR rubber. Catalog number GROM-xx ("xx" represents length in feet).

Partitions Fittings

Description	For Overall Raceway Depth	For Fitting Style		
		Straight (Length 60")	Horizontal "L"	Internal Sweep Elbow
Internal Duct Partitions Divides raceway and fittings into compartments. Screws provided.	3½"	**OWP/D**	**OWCP/D**	**OWSWP/D**

Tunnel Fittings

Description	No. of Compartments	"T" Unit Fitting Type	"X" Unit Fitting Type
Tunnels Field installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be factory installed.	2, 3, or 4	**Consult Factory**	**Consult Factory**

Underfloor Duct Products

Features and Benefits

Open Offices

Casinos

Retail

Fitness

Retrofit

Multi-Compartment Underfloor Duct Saves Time and Money in Your In-Slab Wire Management System

The Hubbell Underfloor Duct system is an in-slab wire management product for delivering power, voice and data services for applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries. This system is uniquely designed with multiple compartments, allowing unlimited design options and cost savings in labor and materials from other single-compartment systems. Matched with our strong national distribution and complete technical/application support, the Hubbell Underfloor Duct System is the perfect solution for your underfloor wire management needs.

Key Features and Benefits

- Eight duct profiles available to accommodate numerous in-slab wire management for power and communications.
- One-piece design multi-compartment duct, drastically reducing installation and material costs.
- Standard insert heights ranging from 1 to 3 inches (other heights available).
- Inclusive tile trim in square-top junction boxes, providing the installer the on-site option of using the trim or leaving it recessed.
- Combination duct coupler/support, reducing material and labor costs using the same part to join raceway sections together and to support/level the duct.
- Activation inserts are pre-assembled to the duct, or the inserts can be purchased separately for field installation only where you need them.
- Heavy duty junction boxes are available for areas requiring high-concentrated floor loads.
- Meets or exceeds UL 884 specifications, assuring a fully UL Listed system from one manufacturer.

Flush Insert Duct Benefits

- Provides an aesthetic wire management solution for delivering power and communications services.
- Unique multi-gang flush inserts with removable voltage dividers provide the flexibility of installing multiple gangs of the same service at each insert location.
- Individual gangs can be activated as needed - keeps costs down.
- Activation trims accept standard Hubbell floor box covers for power and data, available in aluminum and brass.

Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

UL LISTED

Conventional, Flush and Blank Underfloor Duct Profiles

Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

- All duct comes in standard 10 ft. lengths
- 14 gauge, G90 galvanized steel
- 2 Inch IPS (Iron Pipe Size) round inserts are die-cast zinc
- Rectangular inserts are 14 gauge, G90 galvanized steel

Catalog Number System

	SP202F -	2 -	12
	Profile	Insert Height	Insert Spacing
Round Insert Duct and Blank Duct	201 201W 202 SP202 202W 203 204	**B** = Blank **1** = 1" (201 only) **15** = 1 ½" **2** = 2" **25** = 1 ½" **3** = 3"*	**12** = 12" **24** = 24" (consult factory for special preset spacing) n/a for Blank Duct
Flush Insert Duct	201F 201WF 202F SP202F 202WF 203F	**1** = 1" (201F only) **15** = 1 ½"*** **2** = 2" **25** = 2 ½" **3** = 3"*	**12** = 12" **24** = 24" (consult factory for special preset spacing)

Note: *Consult factory for heights greater than 3".*
** 1 ½" min. required for duplex receptacles.*

Dimensions

201 & 201F

4.43"
3.43"
4.61 sq. in.
1.56"
3.28"

201W & 201WF

6.84"
5.84"
8.01 sq. in.
1.56"
5.69"

202 & 202F

10.84"
9.84"
6.76 sq. in.   6.71 sq. in.
1.56"
4.81"   4.81"

203

16.13"
15.03"
5.48 sq. in.   9.65 sq. in.   5.48 sq. in.
1.56"
3.90"   6.93"   3.90"

SP202 & SP202F

10.84"
9.84"
4.57 sq. in.   8.90 sq. in.
1.56"
3.25"   6.36"

203F

16.13"
15.03"
8.25 sq. in.   4.12 sq. in.   8.25 sq. in.
1.56"
5.86"   3.00"   5.86"

202W & 202WF

14.13"
13.03"
9.01 sq. in.   8.96 sq. in.
1.56"
6.40"   6.40"

204

16.13"
15.03"
5.48 sq. in.   4.77 sq. in.   4.77 sq. in.   5.43 sq. in.
1.56"
3.90"   3.43"   3.43"   3.90"

UL LISTED

Technical Information and Wire Fill Capacity Chart

Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Cable Type	Size	Approx. Dia. (in.)	Approx. Area (sq in.)	201 201F	201W 201WF	202 202F		SP202 SP202F		202W 202WF		203			203F			204			
Channel Cross Sectional Area (sq. in.)				4.61	8.01	6.76	6.71	4.57	8.9	9.01	8.96	5.48	9.65	5.48	8.25	4.12	8.25	5.48	4.77	4.77	5.43
Channel				A	A	A	B	A	B	A	B	A	B	C	A	B	C	A	B	C	D
Power (THHN)	14 AWG	0.111	0.0097	190	331	279	277	188	367	372	370	226	398	226	341	170	341	226	197	197	224
	12 AWG	0.130	0.0133	138	241	203	202	137	268	271	270	165	290	165	248	124	248	165	143	143	163
	10 AWG	0.164	0.0211	87	151	128	127	86	168	170	169	103	182	103	156	78	156	103	90	90	102
	8 AWG	0.216	0.0366	50	87	73	73	49	97	98	97	59	105	59	90	44	90	59	52	52	59
Coax Cables	RG-6/U	0.270	0.0573	32	55	47	46	31	62	62	62	38	67	38	57	28	57	38	33	33	37
	RG-6/UQ	0.298	0.0697	26	45	38	38	26	51	51	51	31	55	31	47	23	47	31	27	27	31
LAN Cables	Cat 5e	0.210	0.0346	53	92	78	77	52	102	104	103	63	111	63	95	47	95	63	55	55	62
	Cat 6	0.250	0.0491	37	65	55	54	37	72	73	73	44	78	44	67	33	67	44	38	38	44
	Cat 6A	0.350	0.0962	19	33	28	27	18	37	37	37	22	40	22	34	17	34	22	19	19	22
Fiber Optic Distribution Cables	2-6 Strand	0.190	0.0284	65	113	95	94	64	125	127	126	77	136	77	116	58	116	77	67	67	76
	8-12 Strand	0.230	0.0415	44	77	65	64	43	85	86	86	52	92	52	79	39	79	52	45	45	52
	16-24 Strand	0.350	0.0962	19	33	28	27	18	37	37	37	22	40	22	34	17	34	22	19	19	22

Note: Cable quantities shown in this chart are based on a 40% wire fill capacity. Sizes of COAX, LAN and Fiber Optic cables are provided for example only. Consult cable manufacturer's specification for exact cable sizes.

201 and 201F Series
Single Compartment

201W and 201WF Series
Single Wide Compartment

202 and 202F Series
Two Equal Compartments

SP202 and SP202F Series
Modified Two Compartments

202W and 202WF Series
Two Equal Compartments

203 Series
Three Compartments

203F Series
Three Compartments

204 Series
Four Compartments

Applicable Codes & Standards

- TIA/EIA 569-C "Commercial Building Standard for Telecommunications Pathways and Spaces"
- NEC Article 390 "Underfloor Raceways"
- Ampacity derating rules of NEC Article 310.15 (B)(3) applies to conductors installed in Underfloor Raceways and Trench Duct
- UL Standard UL 884 "Underfloor Raceways and Fittings"
- UL Listed E75939 (Underfloor Raceway) & E304554 (Underfloor raceway Fittings)

Underfloor Duct Raceway Fittings

Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

		Flush Insert Duct						Conventional Duct						
		201F	201WF	202F	SP202F	202WF	203F	201	201W	202	SP202	202W	203	204
Coupler Support — Couples duct sections together and supports the duct. To be used every 5 feet of duct run.	201-DCS	●						●						
	201W-DCS		●						●					
	202-DCS			●	●					●	●			
	202W-DCS					●						●		
	203-DCS						●						●	●
End Cap Support — Supports and closes unused duct ends.	201-ECS	●						●						
	201W-ECS		●						●					
	202-ECS			●	●					●	●			
	202W-ECS					●						●		
	203-ECS						●						●	●
Vertical Riser — Transitions from duct embedded in concrete floor to vertical duct or may be used for direct connection to a Universal Conduit Adapter (UCA). Coupler / Supports (DCS) are required to attach to duct and UCA.	201-VEL	●						●						
	201W-VEL		●						●					
	202-VEL			●						●				
	SP202-VEL				●						●			
	202W-VEL					●						●		
	203-VEL												●	
	203F-VEL						●							
	204-VEL													●
Universal Conduit Adapter — Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2 ½" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes)	201-UCA	●						●						
	201W-UCA		●						●					
	202-UCA			●						●				
	SP202-UCA				●						●			
	202W-UCA					●						●		
	203-UCA												●	
	203F-UCA						●							
	204-UCA													●
Horizontal 90 Degree Elbow — Provides a horizontal 90 degree turn in floor duct. No hand access provided. Consult factory for other angles. SP202-HB90-NIR / SP202-HB90-NOR. SP202-HB90's must be specified either with the Narrow Compartment located at the inside radius (-NIR) or at the outside radius (-NOR) as shown in illustration.	201-HB90	●						●						
	201W-HB90		●						●					
	202-HB90			●						●				
	SP202-HB90-NIR				●						●			
	SP202-HB90-NOR				●						●			
	202W-HB90					●						●		
	203-HB90												●	
	203F-HB90						●							
	204-HB90													●
Cabinet Connector — Provides a means for connecting duct to an electrical cabinet	201-DCC	●						●						
	201W-DCC		●						●					
	202-DCC			●	●					●	●			
	202W-DCC					●						●		
	203-DCC						●						●	●

Underfloor Duct Raceway Junction Boxes and Accessories

Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

x = Preset Insert Height
- **1** = 1" (201 & 201F only)
- **15** = 1 ½" (min. required for duplex recept.)
- **2** = 2"
- **25** = 2 ½"
- **3** = 3" (consult factory for heights greater than 3")

		Part Number	Flush Insert Duct						Conventional Duct						
			201F	201WF	202F	SP202F	202WF	203F	201	201W	202	SP202	202W	203	204
Junction Box Square Access	For providing square opening access at intersections of Feeder Duct and Distribution Duct	201-JB-x	●						●						
		201W-JB-x		●						●					
		202-JB-x			●						●				
		SP202-JB-x				●						●			
		202W-JB-x					●						●		
		203-JB-x												●	
		203F-JB-x						●							
		204-JB-x													●
Junction Box Round Access	For providing round opening access at intersections of Feeder Duct and Distribution Duct. Provided with Brass or Stainless Steel Carpet Ring. *Available in Stainless Steel. To order replace B with SS	201-JB-x-RCB*	●						●						
		201W-JB-x-RCB*		●						●					
		202-JB-x-RCB*			●						●				
		SP202-JB-x-RCB*				●						●			
		202W-JB-x-RCB*					●						●		
		203-JB-x-RCB*												●	
		203F-JB-x-RCB*						●							
		204-JB-x-RCB*													●
Junction Box Heavy Duty Round Access	Same as above except cover plates are ⅜" thick and after-pour height adjustable. Carpet Rings and Closure Caps must be ordered separately. Duct Entrance Cap - **HDJBDC** Corner Cap - **HDJBCC**	202-JB-x-HD-ADJ			●						●				
		SP202-JB-x-HD-ADJ				●						●			
		202W-JB-x-HD-ADJ					●						●		
Carpet Ring for Heavy Duty Junction Boxes	⅛" thick Carpet Trim for Heavy Duty Junction Boxes. *Available in Stainless Steel. To order replace BRASS with SS	RD-BRASS*-202-ADJ			●						●				
		RD-BRASS*-SP202-ADJ				●						●			
		RD-BRASS*-202W-ADJ					●						●		
Junction Box Corner Conduit Adapter	Provides attachment point for conduit to each corner of all junction boxes. JB-CCA is provided with 14 gauge steel plate for field punched conduit opening. All other adapters are factory punched.	JB-CCA													
		JB-CCA-1/2													
		JB-CCA-3/4													
		JB-CCA-1													
		JB-CCA-1-1/2													
		JB-CCA-2													

Hubbell Trench Duct is commonly used as a feeder system for Underfloor Duct Raceway systems.

Factory assembled Trench/Underfloor duct intersect units allow unrestricted capacity by the elimination of tunnels. Side mounted Underfloor duct is available for shallow concrete pours. Consult factory for details.

- High capacity design supports large cables for single and multiple service requirements.
- Open top design allows cables to be easily laid in duct.
- Cover plates are removable and adjust horizontally to any point along the duct.
- Custom lengths of trench and fittings are available.
- Multiple compartments allow complete separation of services.
- Innovative duct support assembly allows for pre-pour leveling and acts as a splice for duct sections.

¼" steel cover
Reversible aluminum tile trim
14 gauge pre-galvanized steel body and frame
5/16" x 3-1/2" leveling legs (make adjustments prior to concrete pour)
Conduit entrance JB-CCA series corner conduit adapter required

Removable pry-out sections for corner conduit adapters and duct entrances. Additional blanking plates not required for unused junction box entrances. Blanking plates must be ordered separately for heavy duty junction boxes.

UL LISTED

Underfloor Duct Junction Box Dimensions

Cover Plate
End-to-End of Duct
Overall Base Plate

Equals Preset Height + 1 7/8"
1/4" Concrete over top of Preset Insert
Preset Insert
Duct

Junction Box Catalog Number	Cover Plate	End-To-End Of Duct	Overall Base Plate
201-JB-x 201-JB-x-RCx	6 5/16"	8"	10 ½"
201W-JB-x 201W-JB-x-RCx 202-JB-x 202-JB-x-RCx SP202-JB-x SP202-JB-x-RCx	12 9/16"	14 1/2"	17 13/16"
202W-JB-x 202W-JB-x-RCx 203-JB-x 203-JB-x-RCx 203F-JB-x 203F-JB-x-RCx 204-JB-x 204-JB-x-RCx	17"	19 5/8"	22 11/16"
202-JB-x-HD-ADJ SP202-JB-x-HD-ADJ 202W-JB-x-HD-ADJ	Consult Factory For Dimensions		

Underfloor Duct Raceway Aftersets and Marker Caps

Flush Insert Duct			Description	Catalog Number
Afterset Insert		Provides means to add activation inserts in the field where needed prior to concrete pour. 14 gauge steel.	1-Gang 1 1/2" Insert Height	DAIFA-1G-15
			1-Gang 2" Insert Height	DAIFA-1G-2
			1-Gang 3" Insert Height	DAIFA-1G-3
			2-Gang 1 1/2" Insert Height	DAIFA-2G-15
			2-Gang 2" Insert Height	DAIFA-2G-2
			2-Gang 3" Insert Height	DAIFA-2G-3
			3-Gang 1 1/2" Insert Height	DAIFA-3G-15
			3-Gang 2" Insert Height	DAIFA-3G-2
			3-Gang 3" Insert Height	DAIFA-3G-3
Marker Cap		Marker caps are used in place of standard insert caps in (a) each insert adjacent to junction box, (b) inserts on each side of a permanent wall, and (c) the last insert in each run of duct.	Insert Marker Cap: Zinc Screw	FA-DMC-Z
			Brass Screw	FA-DMC-B
Compartment Cover		Used for abandoning preset opening (one per gang). 18 gauge steel,	Blank Cover	FA-MC

Round Insert Duct			Description	Catalog Number
Afterset Insert		Provides means to add activation inserts in the field where needed prior to or after concrete pour. Zinc die cast.	1 " Insert Height	DAI-1
			2 " Insert Height	DAI-2
			3 " Insert Height	DAI-3
			4 " Insert Height	DAI-4
Marker Cap		Marker caps are used in place of standard insert caps in (a) each insert adjacent to junction box, (b) inserts on each side of a permanent wall, and (c) the last insert in each run of duct.	Insert Marker Cap: Zinc Screw	DMC-Z
			Brass Screw	DMC-B
Reducing Bushing		Reduces threaded 2" IPS insert opening to either 3/4" NPT or 1" NPT threaded opening for attachment of conduit fitting or pedestal fitting chase nipple.	2" to 3/4"	RB-162
			2" to 1"	RB-163

UL LISTED

Underfloor Duct Raceway Activation Kits

- Available in brass and brushed aluminum to meet aesthetic requirements
- Available in one, two and three-gang options
- ScrubShield® Complies with UL514A scrub water requirements
- Flanged design may be used in tile, wood, carpet, terrazzo and bare concrete applications
- Uniform look when used in same areas where Hubbell floor boxes are installed

	Flush Insert Underfloor Duct	Finish	1-Gang 6" x 4.85"	2-Gang 6" x 8.13"	3-Gang 6" x 11.34"	
Flanges	Flanges are provided with adapter plates and accessories required for installing to rectangular Underfloor Duct preset inserts and aftersets.	Brass	SB3083W-UFD	SB3084W-UFD	SB3085W-UFD	
		Aluminum	SA3083W-UFD	SA3084W-UFD	SA3085W-UFD	
			<image>	<image>	<image>	
Covers	All Covers 4.15" x 2.99"		Duplex Flap	Duplex Screw	Style Line Decorator Opening	Combination 2⅛" x ¾"
		Brass	S3825	S3625	S3826	S2425
		Aluminum	SA3825	SA3625	SA3826	SA2425
			<image>	<image>	<image>	<image>
			Combination 2⅛" x 1"	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank
		Brass	S2625	S2825	S3425	S3813
		Aluminum	SA2625	—	—	SA3813
			<image>	<image>	<image>	<image>

	Round Insert Underfloor Duct						
Housing	Die-cast aluminum frame, brushed aluminum housing, chase nipple, without plates	1" Chase Nipple	SC3099A				
		¾" Chase Nipple	SC3098A				
Plates	Duplex Receptacle	Single Receptacle 1.39" (35.3 mm) opening	Style Line Decorator	Blank	Telephone bushing 1 in. I.D. and (2) ⅜" KO for coax	Furniture Feed aluminum plate with ¾" trade size KO	Furniture Feed aluminum plate, blank
	SS309D	SS309S	SS309DS	SS309B	SS309T	SS309SF	SS309BF
	<image>	<image>	<image>	<image>	<image>	<image>	<image>

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

SECTION V

Table of Contents

Wire Basket Tray System

Innovative, Flexible, Field-Configurable Wire Basket Solutions

Support Broad Range of Applications

Hubbell Wiring Systems offers a comprehensive Wire Basket Tray System to handle every application. From pre-galvanized solutions for commercial controlled interior environments to stainless steel versions for industrial applications such as food processing, marine and highly corrosive environments. Hubbell also features labor savings options including No-Splice supports which also reduce material cost and preformed fittings which offer tremendous productivity enhancement to the installer by eliminating field cuts that are required when fittings are configured in the field. Hubbell also offers painted trays in virtually any color needed. The painted tray is masked to reduce on-site paint removal saving time and money. Hubbell Wire Basket Tray Systems are available in overhead and raised floor designs. Complete shipments, job site location palletization and markings, and product customization make Hubbell the choice for every wire basket tray installation.

Customer Support and Technical Assistance

Hubbell's knowledgeable sales team is just a call away for assistance in selecting the proper type basket tray for any application or providing design assistance including developing a bill of material.

Pre-Galvanized Finish is Environmentally Friendly

The standard finish for Hubbell Basket Tray is pre-galvanized which is a significantly more environmentally friendly manufacturing process as compared to galvanizing dip. Pre-galvanizing applies a zinc galvanization to the wire PRIOR to fabrication. The galvanized wire(s) then welded and formed into the appropriate basket tray size. Hubbell's pre-galvanized finish performs the same as post-zinc plated production finish while avoiding secondary chemical processing.

Sustainable Approach

Hubbell utilizes a sustainable approach to assist in maintaining the environment. Our wire basket tray systems utilize 100% recycled steel content in the manufacturing of our tray, and are packaged in kraft unbleached packaging. Packaging and strapping materials are recyclable. MillCerts are available upon request to assist in documenting recycled content for possible LEED credits.

Pre-Galvanized
- Wire is galvanized prior to fabrication
- Applications
  - Commercial
  - Controlled Interiors
- Specification, ASTM A641

Stainless Steel ✦
- Type 304L and 316S
- Applications
  - Industrial
  - Marine
  - Food Processing
  - Outdoor
- Specification, ASTM A580

Painted Finishes
- Powder coat; Black is available as standard, other colors available as special order
- Applications
  - Data Center
  - Controlled Interiors
- Specification, N/A

Electroplated Zinc ✦
- Tray is galvanized after fabrication
- Applications
  - Commercial
  - Controlled Interiors
- Specification, ASTM B633

Note: ✦Available as a special order.
Hot dip galvinized tray available as special order.

Wire Basket Tray System

Round Cross-Wire Basket Tray

Features
- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 100% recycled steel
- 2" x 4" mesh opening

- Use factory support hardware or fabricate supports at the job site
- Painted tray includes factory installed masking to ensure proper grounding at splices; no need to remove paint during installation

10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	90° Sweep Elbow	Straight Splice	Pre-Galvanized	Black Powder Coat
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204**	**HBT0204BK**
	6" (152) ●	50	9	3	4	**HBT0206**	**HBT0206BK**
	8" (203) ●	52	10.5	4	4	**HBT0208**	**HBT0208BK**
	12" (305) ●	58	12	6	4	**HBT0212**	**HBT0212BK**
	16" (406) ●	70	15	7	4	**HBT0216**	**HBT0216BK**
	18" (457) ●	70	23	9	4	**HBT0218**	**HBT0218BK**
	20" (508) ●	73	25	9	5	**HBT0220**	**HBT0220BK**
	22" (559)	73	27	12	5	**HBT0222**	**HBT0222BK**
	24" (610) ●	75	31	12	5	**HBT0224**	**HBT0224BK**
	26" (660)	73	33	13	6	**HBT0226**	**HBT0226BK**
	28" (711)	73	35	14	6	**HBT0228**	**HBT0228BK**
	30" (762)	70	38	15	6	**HBT0230**	**HBT0230BK**
	32" (813)	70	39	16	6	**HBT0232**	**HBT0232BK**
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404**	**HBT0404BK**
	6" (152) ●	49	13	3	5	**HBT0406**	**HBT0406BK**
	8" (203) ●	78	15	4	6	**HBT0408**	**HBT0408BK**
	12" (305) ●	78	23	6	6	**HBT0412**	**HBT0412BK**
	16" (406) ●	108	27	7	7	**HBT0416**	**HBT0416BK**
	18" (457) ●	116	29	9	7	**HBT0418**	**HBT0418BK**
	20" (508) ●	116	31	9	7	**HBT0420**	**HBT0420BK**
	22" (559)	116	33	12	8	**HBT0422**	**HBT0422BK**
	24" (610) ●	116	35	12	8	**HBT0424**	**HBT0424BK**
	28" (711)	108	39	14	9	**HBT0428**	**HBT0428BK**
6" Deep Tray	8" (203) ●	116	23	4	6	**HBT0608**	**HBT0608BK**
	12" (305) ●	123	27	6	6	**HBT0612**	**HBT0612BK**
	16" (406) ●	123	31	7	7	**HBT0616**	**HBT0616BK**
	18" (457) ●	127	33	9	7	**HBT0618**	**HBT0618BK**
	20" (508) ●	127	35	9	7	**HBT0620**	**HBT0620BK**
	22" (559) ●	127	37	12	8	**HBT0622**	**HBT0622BK**
	24" (610) ●	150	39	12	8	**HBT0624**	**HBT0624BK**
8" Deep Tray	8" (203) ●	116	27	4	8	**HBT0808**	**HBT0808BK**
	12" (305) ●	116	31	6	8	**HBT0812**	**HBT0812BK**
	16" (406) ●	116	35	7	9	**HBT0816**	**HBT0816BK**
	18" (457) ●	116	37	9	9	**HBT0818**	**HBT0818BK**
	20" (508) ●	116	39	9	9	**HBT0820**	**HBT0820BK**

2" Deep Tray: 2.38" (60), W

4" Deep Tray: 4" (102), W

6" Deep Tray: 6" (152), W

8" Deep Tray: 8" (208), W

Note: ● UL Classified as equipment ground conductor (painted tray cUL Classified only).
All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).
*See page V-13 for details and page V-14 for wire fill and maximum load chart.
HBT0202 (2x2 tray) available as special order. MOQ 40 pcs. Top wire utilizes side weld.

Field Configurable Fittings

90° Sweep Elbow
Use appropriate quantity of splice kits

Tee Fitting
Use one HBTCS corner splice per each

Supports and Hardware

Ordering Information
See page V-12

Wire Diameter

5mm

.1969" Dia.
"Round" Wire Design

Dimensions in Inches (mm)

Wire Basket Tray System

Electroplated Zinc Round Cross-Wire Basket Tray

Features

- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 2" x 4" mesh opening

- Use factory support hardware or fabricate supports at the job site
- Electroplated zinc galvanized (post plated) made from cabon steel and plated to ASTM B 633, Type III, SC-1

Field Configurable Fittings

90° Sweep Elbow
Use appropriate quantity of splice kits

Tee Fitting
Use one HBTCS corner splice per each

Supports and Hardware

Ordering Information
See page V-12

Wire Diameter

5mm

.1969" Dia.
"Round" Wire Design

---

10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Finish
				90° Sweep Elbow	Straight Splice	Electroplated Zinc
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204ZP**
	6" (152) ●	50	9	3	4	**HBT0206ZP**
	8" (203) ●	52	10.5	4	4	**HBT0208ZP**
	12" (305) ●	58	12	6	4	**HBT0212ZP**
	16" (406) ●	70	15	7	4	**HBT0216ZP**
	18" (457) ●	70	23	9	4	**HBT0218ZP**
	20" (508) ●	73	25	9	5	**HBT0220ZP**
	22" (559)	73	27	12	5	**HBT0222ZP**
	24" (610) ●	75	31	12	5	**HBT0224ZP**
	26" (660)	73	33	13	6	**HBT0226ZP**
	28" (711)	73	35	14	6	**HBT0228ZP**
	30" (762)	70	38	15	6	**HBT0230ZP**
	32" (813)	70	39	16	6	**HBT0232ZP**
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404ZP**
	6" (152) ●	49	13	3	5	**HBT0406ZP**
	8" (203) ●	78	15	4	6	**HBT0408ZP**
	12" (305) ●	78	23	6	6	**HBT0412ZP**
	16" (406) ●	108	27	7	7	**HBT0416ZP**
	18" (457) ●	116	29	9	7	**HBT0418ZP**
	20" (508) ●	116	31	9	7	**HBT0420ZP**
	22" (559)	116	33	12	8	**HBT0422ZP**
	24" (610) ●	116	35	12	8	**HBT0424ZP**
	28" (711)	108	39	14	9	**HBT0428ZP**
6" Deep Tray	8" (203) ●	116	23	4	6	**HBT0608ZP**
	12" (305) ●	123	27	6	6	**HBT0612ZP**
	16" (406) ●	123	31	7	7	**HBT0616ZP**
	18" (457) ●	127	33	9	7	**HBT0618ZP**
	20" (508) ●	127	35	9	7	**HBT0620ZP**
	22" (559) ●	127	37	12	8	**HBT0622ZP**
	24" (610) ●	150	39	12	8	**HBT0624ZP**
8" Deep Tray	8" (203) ●	116	27	4	8	**HBT0808ZP**
	12" (305) ●	116	31	6	8	**HBT0812ZP**
	16" (406) ●	116	35	7	9	**HBT0816ZP**
	18" (457) ●	116	37	9	9	**HBT0818ZP**
	20" (508) ●	116	39	9	9	**HBT0820ZP**

Note: ●UL Classified/cUL Classified as equipment ground conductor.
All dimensions are +/- 0.25".
Dimensions in Inches (mm)
See page V-13 for details and page V-14 for wire fill and maximum load chart.

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Wire Basket Tray System

Flat Style Cross-Wire Basket Tray

Features

- Flat shaped cross-wires provide significantly more surface area to support weight of cables - Ideal for Cat 6 and 6A applications
- Flat ribs provide 400% more surface area and reduce stress on cables by 60%
- 100% recycled steel

- 2" x 4" mesh opening
- Reduction in stress helps maintain Cat 6 and Cat 6A performance
- Cuts and configures the same as round wire tray
- Uses the same splicing and mounting hardware as round wire tray

10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Finish	
				90° Sweep Elbow	Straight Splice	Pre-Galvanized	Black Powder Coat
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204S**	HBT0204SBK
	6" (152) ●	50	9	3	4	**HBT0206S**	HBT0206SBK
	8" (203) ●	52	10.5	4	4	**HBT0208S**	HBT0208SBK
	12" (305) ●	58	12	6	4	**HBT0212S**	HBT0212SBK
	16" (406) ●	70	15	7	4	**HBT0216S**	HBT0216SBK
	18" (457) ●	70	23	9	4	**HBT0218S**	HBT0218SBK
	20" (508) ●	73	25	9	5	**HBT0220S**	HBT0220SBK
	22" (559)	73	27	12	5	**HBT0222S**	HBT0222SBK
	24" (610) ●	75	31	12	5	**HBT0224S**	HBT0224SBK
	26" (660)	73	33	13	6	**HBT0226S**	HBT0226SBK
	28" (711)	73	35	14	6	**HBT0228S**	HBT0228SBK
	30" (762)	70	38	15	6	**HBT0230S**	HBT0230SBK
	32" (813)	70	39	16	6	**HBT0232S**	HBT0232SBK
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404S**	HBT0404SBK
	6" (152) ●	49	13	3	5	**HBT0406S**	HBT0406SBK
	8" (203) ●	78	15	4	6	**HBT0408S**	HBT0408SBK
	12" (305) ●	78	23	6	6	**HBT0412S**	HBT0412SBK
	16" (406) ●	108	27	7	7	**HBT0416S**	HBT0416SBK
	18" (457) ●	116	29	9	7	**HBT0418S**	HBT0418SBK
	20" (508) ●	116	31	9	7	**HBT0420S**	HBT0420SBK
	22" (559)	116	33	12	8	**HBT0422S**	HBT0422SBK
	24" (610) ●	116	35	12	8	**HBT0424S**	HBT0424SBK
	28" (711)	108	39	14	9	**HBT0428S**	HBT0428SBK
6" Deep Tray	8" (203) ●	116	23	4	6	**HBT0608S**	HBT0608SBK
	12" (305) ●	123	27	6	6	**HBT0612S**	HBT0612SBK
	16" (406) ●	123	31	7	7	**HBT0616S**	HBT0616SBK
	18" (457) ●	127	33	9	7	**HBT0618S**	HBT0618SBK
	20" (508) ●	127	35	9	7	**HBT0620S**	HBT0620SBK
	22" (559) ●	127	37	12	8	**HBT0622S**	HBT0622SBK
	24" (610) ●	150	39	12	8	**HBT0624S**	HBT0624SBK
8" Deep Tray	8" (203) ●	116	27	4	8	**HBT0808S**	HBT0808SBK
	12" (305) ●	116	31	6	8	**HBT0812S**	HBT0812SBK
	16" (406) ●	116	35	7	9	**HBT0816S**	HBT0816SBK
	18" (457) ●	116	37	9	9	**HBT0818S**	HBT0818SBK
	20" (508) ●	116	39	9	9	**HBT0820S**	HBT0820SBK

2" Deep Tray dimensions: 2.38" (60), W

4" Deep Tray dimensions: 4" (102), W

6" Deep Tray dimensions: 6" (152), W

8" Deep Tray dimensions: 8" (208), W

Note: ●*UL Classified as equipment ground conductor (painted tray cUL Classified only).*
All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).
*See page V-13 for details and page V-14 for wire fill and maximum load chart.

Field Configurable Fittings

90° Sweep Elbow
Use appropriate quantity of splice kits

Tee Fitting
Use one HBTCS corner splice per each

Supports and Hardware

Ordering Information
See page V-12

Cable Support Area

Flattened

.03125 sq. inch "Flat" Wire Design (based on .125" dia. cable)

Dimensions in Inches (mm)

Wire Basket Tray System

Stainless Steel Round Cross-Wire Basket Tray

Features
- Type 304L and 316S stainless steel
- Meets ASTM A580 specifications
- 4.5mm round wire minimum
- Stainless splice kits and ceiling supports are available

Applications
- Food processing
- Wash down areas
- Corrosive environments
- Outdoor installations
- Marine

Stainless Steel Accessories Available

HBTSKSS
Splice Kits

HBTCSSS
Corner Splice

HBTWSSS
Washer Support

HBTNBSS
¼" x 20 Nuts and Bolts

Ordering Information
See page V-12

Wire Diameter

4.5mm

.1772" Dia.
"Round" Wire Design

Dimensions in Inches (mm)

10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Round	
				90° Sweep Elbow	Straight Splice	Type 304L	Type 316S
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204S04**	**HBT0204S16**
	6" (152)	50	9	3	4	**HBT0206S04**	**HBT0206S16**
	8" (203)	52	10.5	4	4	**HBT0208S04**	**HBT0208S16**
	12" (305)	58	12	6	4	**HBT0212S04**	**HBT0212S16**
	16" (406)	70	15	7	4	**HBT0216S04**	**HBT0216S16**
2.38" (60)	18" (457)	70	23	9	4	**HBT0218S04**	**HBT0218S16**
	20" (508)	73	25	9	5	**HBT0220S04**	**HBT0220S16**
	22" (559)	73	27	12	5	**HBT0222S04**	**HBT0222S16**
	24" (610)	75	31	12	5	**HBT0224S04**	**HBT0224S16**
	26" (660)	73	33	13	6	**HBT0226S04**	**HBT0226S16**
	28" (711)	73	35	14	6	**HBT0228S04**	**HBT0228S16**
	30" (762)	70	38	15	6	**HBT0230S04**	**HBT0230S16**
	32" (813)	70	39	16	6	**HBT0232S04**	**HBT0232S16**
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404S04**	**HBT0404S16**
	6" (152)	49	13	3	5	**HBT0406S04**	**HBT0406S16**
	8" (203)	78	15	4	6	**HBT0408S04**	**HBT0408S16**
	12" (305)	78	23	6	6	**HBT0412S04**	**HBT0412S16**
4" (102)	16" (406)	108	27	7	7	**HBT0416S04**	**HBT0416S16**
	18" (457)	116	29	9	7	**HBT0418S04**	**HBT0418S16**
	20" (508)	116	31	9	7	**HBT0420S04**	**HBT0420S16**
	22" (559)	116	33	12	8	**HBT0422S04**	**HBT0422S16**
	24" (610)	116	35	12	8	**HBT0424S04**	**HBT0424S16**
	28" (711)	108	39	14	9	**HBT0428S04**	**HBT0428S16**
6" Deep Tray	8" (203)	116	23	4	6	**HBT0608S04**	**HBT0608S16**
	12" (305)	123	27	6	6	**HBT0612S04**	**HBT0612S16**
6" (152)	16" (406)	123	31	7	7	**HBT0616S04**	**HBT0616S16**
	18" (457)	127	33	9	7	**HBT0618S04**	**HBT0618S16**
	20" (508)	127	35	9	7	**HBT0620S04**	**HBT0620S16**
	22" (559)	127	37	12	8	**HBT0622S04**	**HBT0622S16**
	24" (610)	150	39	12	8	**HBT0624S04**	**HBT0624S16**
8" Deep Tray	8" (203)	116	27	4	8	**HBT0808S04**	**HBT0808S16**
	12" (305)	116	31	6	8	**HBT0812S04**	**HBT0812S16**
8" (208)	16" (406)	116	35	7	9	**HBT0816S04**	**HBT0816S16**
	18" (457)	116	37	9	9	**HBT0818S04**	**HBT0818S16**
	20" (508)	116	39	9	9	**HBT0820S04**	**HBT0820S16**

Note: All dimensions are +/- 0.25".
*See page V-13 for details and page V-14 for wire fill and maximum load chart.

Wire Basket Tray System

Under Floor Round Cross-Wire Basket Tray

Wire Diameter

5mm

.1969" Dia.
"Round" Wire Design

HBTU002424

Features

- T-weld construction prevents snags
- 5mm round wire on smaller sizes
- 100% recycled steel

- Use factory support hardware or fabricate supports on the job site
- 2" x 4" mesh opening

Tray Height	Tray Width	Tray Length		
		24" (610)	48" (1,220)	72" (1,829)
2" Deep Tray	6" (152)	**HBTU020624**	**HBTU020648**	**HBTU020672**
	12" (305)	**HBTU021224**	**HBTU021248**	**HBTU021272**
	24" (610)	**HBTU022424**	**HBTU022448**	**HBTU022472**
4" Deep Tray	6" (152)	**HBTU040624**	**HBTU040648**	**HBTU040672**
	12" (305)	**HBTU041224**	**HBTU041248**	**HBTU041272**
	24" (610)	**HBTU042424**	**HBTU042448**	**HBTU042472**
6" Deep Tray	6" (152)	**HBTU060624**	**HBTU060648**	**HBTU020672**
	12" (305)	**HBTU061224**	**HBTU061248**	**HBTU061272**
	24" (610)	**HBTU062424**	**HBTU062448**	**HBTU062472**
8" Deep Tray	6" (152)	—	—	—
	12" (305)	**HBTU081224**	**HBTU081248**	**HBTU081272**
	20" (610)	**HBTU082024**	**HBTU082048**	**HBTU082072**
Flat	24" (610)	**HBTU002424**	—	—

Note: Tray UL Classified as equipment ground conductor.

Splice Hardware

Description	Finish	Catalog Number
Kit, Pedestal (2) HBTUPC and (1) Cross bar	Pre-Galvanized	**HBTUPK**
C-Bracket 6" Tier 12" Tier	Pre-Galvanized Pre-Galvanized	**HBTUCB6** **HBTUCB12**
U-Clamp, Pedestal (1) Clamp	Pre-Galvanized	**HBTUPC**
Tray Grounding Fasteners Washer supports HBTWS and ¼" - 20 self threading screws; 50 per box. Required when installing under floor wire basket tray.	Zinc Plated	**HBTUGS**
Intersection Supports For use with HBTUSUPP series support	Pre-Galvanized	**HBTUFIT**
Vertical Up	Pre-Galvanized	**HBTUVU**

Note: See page 10 for L-brackets and C-brackets.
See page 14 for wire fill and maximum load chart.

Saw Horse Supports

Support Height	Support Width	Finish	Catalog Number
4" (102)	22" (559)	Pre-Galvanized	**HBTUSUPP4**
6" (152)	22" (559)	Pre-Galvanized	**HBTUSUPP6**
8" (203)	22" (559)	Pre-Galvanized	**HBTUSUPP8**
10" (254)	22" (559)	Pre-Galvanized	**HBTUSUPP10**
12" (305)	22" (559)	Pre-Galvanized	**HBTUSUPP12**
14" (356)	22" (559)	Pre-Galvanized	**HBTUSUPP14**
16" (406)	22" (559)	Pre-Galvanized	**HBTUSUPP16**
18" (457)	22" (559)	Pre-Galvanized	**HBTUSUPP18**
20" (508)	22" (559)	Pre-Galvanized	**HBTUSUPP20**
22" (559)	22" (559)	Pre-Galvanized	**HBTUSUPP22**
24" (610)	22" (559)	Pre-Galvanized	**HBTUSUPP24**
26" (660)	22" (559)	Pre-Galvanized	**HBTUSUPP26**
28" (711)	22" (559)	Pre-Galvanized	**HBTUSUPP28**
30" (762)	22" (559)	Pre-Galvanized	**HBTUSUPP30**

Dimensions in Inches (mm)

Accessories for Wire Basket Tray, Preformed Fittings

Side wall

Base

Washer, bolt and nut

1. Splicing hardware included

Installation Efficiency

Hubbell preformed fittings are time and cost effective solutions to installing 90 Degree Radius, Tees and Intersections, no cutting and no configuring. Hubbell offers Pre-galvanized or Black powder painted finishes. The fittings simply attach at the Intersections Tees or junctions when you want a radius bend. The fittings are manufactured precisely to the basket tray being utilized providing a clean engineered solution.

Installation of Hubbell preformed fittings can reduce installation configurations from hours to a few minutes. Labor and time savings can exceed 90% versus traditional cutting and splicing. Preformed fittings ensure a consistent installation every time and also avoids the sharp wire edges caused during the cutting process. Standard Hubbell preformed fittings consist of a pregalvanized base with black polymer sides* and splicing hardware.

*Steel wall preform fittings are available.

2. Attach first tray with washer support and ¼"-20 nut and bolt

4. Attach second tray

3. Washer support secured to tray

5. Install side walls

90 Degree Radius

Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
2 x 8	7 Minutes	1 Minute	85%
4 x 12	20 Minutes	2 Minutes	90%

Tee

Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
4 x 12	8 Minutes, 45 seconds	2 Minutes, 30 seconds	70%
4 x 18	10 Minutes	2 Minutes, 30 seconds	74%

Intersection

Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
6 x 24	29 Minutes	4 Minutes, 45 seconds	83%

Wire Basket Tray System

Accessories for Wire Basket Tray, Preformed Fittings

Features

- Labor and time savings
- Consistent installations
- For round and flat tray
- Steel pre-galvanized bases

- Interlocking polymer side walls
- Splicing hardware included
- Available with steel side walls

Tray Size	Tray Width	90 Degree	Tee	Intersection	45 Degree	30 Degree
2" (51) Deep	4"(102)	HBTR0204	HBTT0204	HBTI0204	HBT450204	HBT300204
	6"(152)	HBTR0206	HBTT0206	HBTI0206	HBT450206	HBT300206
	8"(203)	HBTR0208	HBTT0208	HBTI0208	HBT450208	HBT300208
	12"(305)	HBTR0212	HBTT0212	HBTI0212	HBT450212	HBT300212
	16"(406)	HBTR0216	HBTT0216	HBTI0216	HBT450216	HBT300216
	18"(457)	HBTR0218	HBTT0218	HBTI0218	HBT450218	HBT300218
	20"(508)	HBTR0220	HBTT0220	HBTI0220	HBT450220	HBT300220
	24"(610)	HBTR0224	HBTT0224	HBTI0224	HBT450224	HBT300224
4" (102) Deep	4"(102)	HBTR0404	HBTT0404	HBTI0404	HBT450404	HBT300404
	6"(152)	HBTR0406	HBTT0406	HBTI0406	HBT450406	HBT300406
	8"(203)	HBTR0408	HBTT0408	HBTI0408	HBT450408	HBT300408
	12"(305)	HBTR0412	HBTT0412	HBTI0412	HBT450412	HBT300412
	16"(406)	HBTR0416	HBTT0416	HBTI0416	HBT450416	HBT300416
	18"(457)	HBTR0418	HBTT0418	HBTI0418	HBT450418	HBT300418
	20"(508)	HBTR0420	HBTT0420	HBTI0420	HBT450420	HBT300420
	24"(610)	HBTR0424	HBTT0424	HBTI0424	HBT450424	HBT300424
6" (152) Deep	8"(203)	HBTR0608	HBTT0608	HBTI0608	HBT450608	HBT300608
	12"(305)	HBTR0612	HBTT0612	HBTI0612	HBT450612	HBT300612
	16"(406)	HBTR0616	HBTT0616	HBTI0616	HBT450616	HBT300616
	18"(457)	HBTR0618	HBTT0618	HBTI0618	HBT450618	HBT300618
	20"(508)	HBTR0620	HBTT0620	HBTI0620	HBT450620	HBT300620
	24"(610)	HBTR0624	HBTT0624	HBTI0624	HBT450624	HBT300624

*Note: Add **BK** suffix for black base.*
*Add **SW** suffix for steel side walls.*

Dimensions in Inches (mm)

Wire Basket Tray System

Accessories for Wire Basket Tray - Supports and Brackets

No Splice supports reduces the number of splice kits required for tray installations.

No Splice Support*

Tray Width	Center Support			Ceiling Support		
	Qty. per Box	Pre-Galvanized	Black Powder Coat	Qty. per Box	Pre-Galvanized	Black Powder Coat
6" (152)	1	**HBTNSCTRS6**	**HBTNSCTRS6BK**	-	–	–
8" (203)	1	**HBTNSCTRS8**	**HBTNSCTRS8BK**	-	–	–
12" (305)	1	**HBTNSCTRS12**	**HBTNSCTRS12BK**	1	**HBTNSCLGS12**	**HBTNSCLGS12BK**
16" (406)	1	**HBTNSCTRS16**	**HBTNSCTRS16BK**	1	**HBTNSCLGS16**	**HBTNSCLGS16BK**
18" (457)	1	**HBTNSCTRS18**	**HBTNSCTRS18BK**	1	**HBTNSCLGS18**	**HBTNSCLGS18BK**
20" (508)	1	**HBTNSCTRS20**	**HBTNSCTRS20BK**	1	**HBTNSCLGS20**	**HBTNSCLGS20BK**
24" (610)	1	**HBTNSCTRS24**	**HBTNSCTRS24BK**	1	**HBTNSCLGS24**	**HBTNSCLGS24BK**

Center Support

Ceiling Support

*Note: *Install every 5 feet. Splice hardware included.*

Supports**

Tray Width	Center Support			Ceiling Support		Trapeze Support		
	Qty. per Box	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat	Qty. per Box	Zinc Plated	Black Powder Coat
4" (102)	1	**HBTCTRS4**	HBTCTRS4BK	–	–	50	**HBTTS**	**HBTTSBK**
6" (152)	1	**HBTCTRS6**	HBTCTRS6BK	–	–		Attaches to the side of the tray; for tray sizes 16" wide and smaller; use in pairs every 6 feet for 4" and 6" trays; can be staggered every 5 feet.	
8" (203)	1	**HBTCTRS8**	HBTCTRS8BK	–	–			
12" (305)	1	**HBTCTRS12**	HBTCTRS12BK	HBTCLGS12	HBTCLGS12BK			
16" (406)	1	**HBTCTRS16**	HBTCTRS16BK	HBTCLGS16	HBTCLGS16BK			
18" (457)	1	**HBTCTRS18**	HBTCTRS18BK	HBTCLGS18	HBTCLGS18BK			
20" (508)	1	**HBTCTRS20**	HBTCTRS20BK	HBTCLGS20	HBTCLGS20BK			
24" (610)	1	**HBTCTRS24**	HBTCTRS24BK	HBTCLGS24	HBTCLGS24BK			

Brackets**

Tray Width	L-Bracket		C-Bracket		Shelf Support	
	Qty. per Box	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat
4" (102)	1	**HBTLB4**	HBTLB4BK	HBTCB4	HBTCB4BK	HBTSS4	HBTSS4BK
6" (152)	1	**HBTLB6**	HBTLB6BK	–	–	HBTSS6	HBTSS6BK
8" (203)	1	**HBTLB8**	HBTLB8BK	HBTCB8	HBTCB8BK	HBTSS8	HBTSS8BK
12" (305)	1	**HBTLB12**	HBTLB12BK	HBTCB12	HBTCB12BK	HBTSS12	HBTSS12BK
16" (406)	1	**HBTLB16**	HBTLB16BK	–	–	HBTSS16	HBTSS16BK
18" (457)	1	**HBTLB18**	HBTLB18BK	HBTCB18	HBTCB18BK	HBTSS18	HBTSS18BK
20" (508)	1	**HBTLB20**	HBTLB20BK	–	–	HBTSS20	HBTSS20BK
24" (610)	1	**HBTLB24**	HBTLB24BK	–	–	HBTSS24	HBTSS24BK

*Note: **Install every 6 feet.*

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Wire Basket Tray System

Accessories for Wire Basket Tray - Covers and Inserts

Black Polymer Inserts with Sides*
Provides a solid bottom and sides for tray - order in 10 foot increments

Tray Width	2" (51) Deep	4" (102) Deep	6" (152) Deep
4" (102)	HBTFRMINS0204BK	HBTFRMINS0404BK	–
6" (152)	HBTFRMINS0206BK	HBTFRMINS0406BK	–
8" (203)	HBTFRMINS0208BK	HBTFRMINS0408BK	HBTFRMINS0608BK
12" (305)	HBTFRMINS0212BK	HBTFRMINS0412BK	HBTFRMINS0612BK
16" (406)	HBTFRMINS0216BK	HBTFRMINS0416BK	HBTFRMINS0616BK
18" (457)	HBTFRMINS0218BK	HBTFRMINS0418BK	HBTFRMINS0618BK
20" (508)	HBTFRMINS0220BK	HBTFRMINS0420BK	HBTFRMINS0620BK
24" (610)	HBTFRMINS0224BK	HBTFRMINS0424BK	HBTFRMINS0624BK

*Note: *For white insert, replace **BK** with **WHT**.*

Polymer Inserts
Provides a solid bottom for tray - order in 10 foot increments

Tray Width	Length	White	Black
4" (102)	118" (3000)	HBTINSNM04WHT	HBTINSNM04
6" (152)	118" (3000)	HBTINSNM06WHT	HBTINSNM06
8" (203)	118" (3000)	HBTINSNM08WHT	HBTINSNM08
12" (305)	118" (3000)	HBTINSNM12WHT	HBTINSNM12
16" (406)	118" (3000)	HBTINSNM16WHT	HBTINSNM16
18" (457)	118" (3000)	HBTINSNM18WHT	HBTINSNM18
20" (508)	118" (3000)	HBTINSNM20WHT	HBTINSNM20
24" (610)	118" (3000)	HBTINSNM24WHT	HBTINSNM24

Galvanized Steel Inserts
Provides a solid bottom for tray - 5 feet length per piece; 1 piece per box

Tray Width	Length	Pre-Galvanized	Black Powder Coat
4" (102)	59" (1500)	HBTINSM04	HBTINSM04BK
6" (152)	59" (1500)	HBTINSM06	HBTINSM06BK
8" (203)	59" (1500)	HBTINSM08	HBTINSM08BK
12" (305)	59" (1500)	HBTINSM12	HBTINSM12BK
16" (406)	59" (1500)	HBTINSM16	HBTINSM16BK
18" (457)	59" (1500)	HBTINSM18	HBTINSM18BK
20" (508)	59" (1500)	HBTINSM20	HBTINSM20BK
24" (610)	59" (1500)	HBTINSM24	HBTINSM24BK

Galvanized Steel Covers
Top cable and wire protector - 5 feet length per piece; 1 piece per box

Tray Width	Length	Pre-Galvanized	Black Powder Coat
4" (102)	59" (1500)	HBTCVR4	HBTCVR4BK
6" (152)	59" (1500)	HBTCVR6	HBTCVR6BK
8" (203)	59" (1500)	HBTCVR8	HBTCVR8BK
12" (305)	59" (1500)	HBTCVR12	HBTCVR12BK
16" (406)	59" (1500)	HBTCVR16	HBTCVR16BK
18" (457)	59" (1500)	HBTCVR18	HBTCVR18BK
20" (508)	59" (1500)	HBTCVR20	HBTCVR20BK
24" (610)	59" (1500)	HBTCVR24	HBTCVR24BK

Galvanized Termination Support
Secures end of tray to wall and can serve as blank end fitting; 1 piece per box

Tray Width	Length	Pre-Galvanized	Black Powder Coat
6" (152)	6.4" (163)	HBTTS6	HBTTS6BK
8" (203)	8" (203)	HBTTS8	HBTTS8BK
12" (305)	11.2" (284)	HBTTS12	HBTTS12BK
16" (406)	16" (406)	HBTTS16	HBTTS16BK
18" (457)	17.6" (447)	HBTTS18	HBTTS18BK
20" (508)	19.2" (488)	HBTTS20	HBTTS20BK
24" (610)	24" (610)	HBTTS24	HBTTS24BK

Galvanized Steel Dividers
Mounting hardware to secure to tray (not included); 2 mounting holes per piece; 5 feet length per piece; 1 piece per box

For use with Tray	Length	Pre-Galvanized	Black Powder Coat
2" (51) Deep	60" (1524)	HBTDIV2	HBTDIV2BK
4" (102) Deep	60" (1524)	HBTDIV4	HBTDIV4BK
6" (152) Deep	60" (1524)	HBTDIV6	HBTDIV6BK
8" (203) Deep	60" (1524)	HBTDIV8	HBTDIV8BK

Dimensions in Inches (mm)

Accessories for Wire Basket Tray, Supports and Fittings

Description	Tray Width	Finish	Catalog Number
Radius Down Increases cable protection and cable bend control; 1 per box	4" (102) 6" (152) 12" (305)	Black Black Black	**HBTRD4BK HBTRD6BK HBTRD12BK**
Exit Radius Down* Top tray attachment, increases cable protection and cable bend control; 1 per box	4X4 Minimum Tray Size	Black	**HBTEXTRDBK**
Vertical Down Protects cables when dropping from the end or side of tray; 1 per box	7¾" (102)	Zinc Plated Black	**HBTVD HBTVDBK**
Label Clip Attachment for all sizes of tray; 1 per box		White	**HBTLC**
Cable Guide* Maintains cable bend radius and acts as a divider for straight sections and fittings; 1 per box		Black	**HBTCG**
Electrical Box Bracket Attaches electrical box to side of tray; 1 per box		Pre-Galvanized Black	**HBTEB HBTEBBL**
Sidecar Attaches to outside of tray, provides additional cable support, 2" deep; 1 per box		Pre-Galvanized Black	**HBTSC HBTSCBK**
Splice Kit 3 piece staked bolt/washer and nut combination; splices straight sections and field formed fittings; 50 pieces per box		Zinc Plated Black Stainless Steel	**HBTSK HBTSKBK HBTSKSS**
Bar Splice Slotted bar 11¹⁵⁄₁₆" long; Splices straight sections and fittings; bend to form tray reducers; adds rigidity to tray splices; 50 pieces per box		Zinc Plated Black Stainless Steel	**HBTBS HBTBSBK HBTBSSS**
Corner Splice (2) 90° splice bars and (8) sets of the splice kit **Splice Fittings Required:** Use one per each Tee Fitting; Use two per each Cross Fitting		Zinc Plated Black Stainless Steel	**HBTCS HBTCSBK HBTCSSS**
Washer Supports Splices straight sections and fittings and can also be used as a hold down method for tray to strut (nut and bolt provided separately); 50 pieces per box		Zinc Plated Black Stainless Steel	**HBTWS HBTWSBK HBTWSSS**
Self Tapping Screws with Supports ¼" - 20 self tapping screw and HBTWS; 50 pieces per box		Zinc Plated	**HBTUGS**

Description	Finish	Catalog Number
Fitting Attachment Fills the gap in tray when creating fittings in 2" tray or 4"/6" tray	Pre-Galvanized Black Pre-Galvanized Black	**HBTFA2 HBTFA2BK HBTFA46 HBTFA46BK**
Rack Attachment Attaches tray directly to the top of a standard rack	Zinc Plated Black	**HBTRA HBTRABK**
Conduit Attachment Connects conduit to tray (¾", 1" and 1¼" conduit)	Pre-Galvanized Black	**HBTCA3 HBTCA3BK**
Nut and Bolt Sets ¼" - 20 nut and bolt sets; 50 pieces per box	Zinc Plated Stainless Steel	**HBTNB HBTNBSS**
Cable Drop Outs Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables	Black	**HBTCDBK**
Large Cable Drop Outs Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables (tray requires cutting to install)	Black	**HBTCD4X4BK**
Strut Clips Used to hold down basket tray when used with any standard industry strut supports; 50 pieces per box	Pre-Galvanized	**HBTSTRUTCLIP**
• 12" trays or smaller use 2 clips per strut support • 16" - 18" trays use 3 clips per strut support • Larger trays add one clip per strut support for every 6" of tray width		
Grounding Split Bolts These are sold in packs of 10. Bolts are used for supplemental grounding. One bolt is installed per section of basket tray. The installer must supply #6 AWG grounding wire	Copper Alloy	**HBTSPLITBOLTPK10**

*Note: *Mounting hardware included.*

Dimensions in Inches (mm)

Wire Basket Tray System

Technical Support - Cutting and Forming Fittings

Cutting Wire Basket Tray

- Always make field cuts with the side action angle cutting tool.
- Cuts can be made on any finish, width or depth basket tray.
- Cut as many segments required for sweep elbows (see Splice Quantity column on product pages).
- Remove any sharp edges to eliminate possible damage to cables.

(Side action cutter)

Cutting Tool

Description	Weight (Lb/each)	Qty. per Box	Catalog Number
Manual offset angled cutting tool, 24" leveraged handle	6.0	1	**HBTCUTTOOL**

How to Form a 90 Degree Flat Sweep Elbow

- Determine which wires must be cut for the type of fitting or redirection required. This will usually be the side and bottom wires of every other mesh section.
- Turn the tray over and cut the bottom wires.
- Cut the top side wire.
- Cut the remaining side wires.
- This creates open gaps in the side wall and bottom of the tray.
- Bend the tray to form the desired elbow radius curve by closing the gaps.
- Install splice kits and hardware where the wedge-shaped sections come together.
- Splice kits provide the mechanical connection as well as electrical grounding continuity.

HBTSK Splice Kit
See page V-12 for ordering information.

How to Form a Tee Fitting

- Determine the location of the horizontal "tee" fitting along the length of basket tray.
- Cut the side wires from the tray which shall be the horizontal tray section, to the same width as the perpendicular tray section.
- Do not cut the bottom wires.
- Align the perpendicular tray to the opening in the side of the horizontal tray.
- Position one angle bracket from the HBTCS corner splice kit on each side of the opening.
- Secure the angle brackets to the horizontal and perpendicular tray sections with splice kits (nut, bolt and washer) provided in the HBTCS corner splice kit.
- Support the tee fitting on all three sides of the "tee" using appropriate support method.

HBTCS Corner Splice
See page V-12 for ordering information.

Wire Basket Tray System

Wire Fill and Maximum Load Chart

Depth	Width	Area	Cat 5e (0.18" dia.) 50% Wire Fill	Cat 6 (0.23" dia.) 50% Wire Fill	Cat 6a (0.30" dia.) 50% Wire Fill	Max. Load (Lb/ft) *(Supported at 6ft spacing)*
2	4	8	157	96	57	45
2	6	12	236	144	85	50
2	8	16	315	193	113	52
2	12	24	472	289	170	58
2	16	32	629	385	226	70
2	18	36	708	433	255	70
2	20	40	786	482	283	73
2	22	44	865	530	311	73
2	24	48	944	578	340	75
2	26	52	1022	626	368	73
2	28	56	1101	674	396	73
2	30	60	1180	722	425	70
2	32	64	1258	771	453	70
4	4	16	315	193	113	49
4	6	24	472	289	170	49
4	8	32	629	385	226	78
4	12	48	944	578	340	78
4	16	64	1258	771	453	108
4	18	72	1415	867	510	116
4	20	80	1573	963	566	116
4	22	88	1730	1060	623	116
4	24	96	1887	1156	679	116
4	28	112	2202	1349	793	108
6	8	48	944	578	340	116
6	12	72	1415	867	510	123
6	16	96	1887	1156	679	123
6	18	108	2123	1300	764	127
6	20	120	2359	1445	849	127
6	22	132	2595	1589	934	127
6	24	144	2831	1734	1019	150
8	8	64	1258	771	453	116
8	12	96	1887	1156	679	116
8	16	128	2516	1541	906	116
8	18	144	2831	1734	1019	116
8	20	160	3145	1926	1132	116

Sizes UL Classified or cUL Classified
as equipment ground conductor

2" Depth	4" Depth	6" Depth	8" Depth
2 x 6	4 x 6	6 x 8	8 x 8
2 x 8	4 x 8	6 x 12	8 x 12
2 x 12	4 x 12	6 x 16	8 x 16
2 x 16	4 x 16	6 x 18	8 x 20
2 x 18	4 x 18	6 x 20	
2 x 20	4 x 20	6 x 22	
2 x 24	4 x 24	6 x 24	

Instructions to Achieve Ground

- Use Hubbell splice kits **(HBTSK)** to achieve proper grounding at all splices, joints and fittings.

- Grounding lugs and external ground wire are not required when **HBTSK** splice kits are utilized with steel tray. (Stainless steel tray requires external grounding conductor.)

Note: Applicable to pre-galvanized and powder coat painted when spliced as recommended.
Other non-UL sizes require external grounding conductor.
Stainless steel is not UL listed.

HUBBELL® Wiring Device-Kellems

Wire Basket Tray System

Wire Basket Tray: Create a Bill of Material

A Termination Support
B Trapeze Clips
C Label Clip
D Ceiling Support
E Shelf Support

F Cable Guide
G Center Support
H L-Bracket
I Splice Kit
J Vertical Down

Job Name:

Location:

Date:

I. Tray Size	Fill in info
Depth (inches):	
Width (inches):	
Total linear feet:	
Total feet/10 = pieces:	

II. Finish	Check One
Pre-galvanized:	☐
Painted black:	☐
Stainless steel:	☐
Electro-zinc plated:	☐
Custom color paint:	☐

III. Fittings	Qty
90° sweep elbow:	
Tee fitting:	
Cross-X fitting:	
45° sweep elbow:	
Reducer:	

IV. Splices	Qty*
Splice kits:	
Corner splice:	
Washer support:	
Bar splice:	

V. Supports (6ft spacing)	Qty
Ceiling:	
Center:	
Trapeze clips (use in pairs):	
Wall bracket:	
Termination support:	
Field fabricated from strut:	

VI. Cable management	Qty
Vertical down:	
Radius down:	
Cable guide:	
Side car:	

VII. Attachment hardware	Qty
Termination support or blank end	
Electrical box bracket:	
Fitting attachment:	
Rack attachment:	
Conduit attachment:	

VIII. Tray accessories	Qty
Steel divider:	
Steel cover:	
Steel bottom insert:	
Polymer bottom insert:	
Label clip:	

*Note: *See product selection tables for quantities of splices. These are dependent upon tray size. Additional splices required for fittings.*

Technical Specifications

2.01 ACCEPTABLE MANUFACTURES

1. Manufacturer: Subject to compliance with these specifications wire basket tray systems to be installed shall be Hubbell "HBT" series.

2.02 WIRE TRAY SECTIONS AND COMPONENTS

1. Provide wire basket of types and sizes indicated with all required splicing and mounting hardware. Construct units with T-weld edges and smooth surfaces in compliance with applicable standards and with the following additional construction features.

   A. All straight section longitudinal wires shall be constructed with a continuous top wire safety edge. Safety edge must be T-welded on all tray sizes.

   B. Wire basket cross-wire to be constructed with either flat shaped wire design or with round wire design as directed by engineer.
   - Flat shaped cross wire design shall provide additional surface area for cable weight support and to avoid pressure points and strain on cables.
   - Round shaped cross wire design may be used in general purpose applications where cable weight and strain are not concerns.

2. Materials and Finishes: Material and finish specifications for Carbon Steel Wire and Pre-Galvanized steel wire are as follows:

   A. Pre-galvanized Zinc: Straight section shall be made from pre-galvanized steel meeting the minimum mechanical properties of ASTM A 641. Material must be cleaned after fabrication to remove any soot, manufacturing residue/oils or metallic particles.

   B. Powder Coat: Straight sections shall be powder coated black with an average paint thickness of 1.2mils (30microns) to 3.0mils (75microns). Hubbell powder coat product is masked at splice points to allow conductive ground design; no field paint removal is required.

   C. Stainless Steel: Straight sections and accessories shall be made from AISI Type 304L, 316L Stainless Steel (meeting the minimum mechanical properties of ASTM A 580).

   D. Electro-Plated Zinc Galvanized (Post Plated) Made from Carbon Steel and plated to ASTM B 633, Type III, SC-1.

   E. Hot Dip Galvanized: Plain steel (ASTM AS10) dip after fabricated and formed. ASTM A123.

3. Wire basket shall be made of high strength steel wires and formed into a standard 2-inch by 4-inch wire mesh pattern with intersecting wires welded together. All mesh sections must have at least one bottom longitudinal wire along entire length of straight section.

4. Wire basket sizes shall conform to the following nominal criteria:

   A. Straight sections shall be furnished in standard 118" (3m) lengths.

   B. Wire diameter shall be 0.195" (5mm) minimum on all mesh sections. Wire diameter shall be minimum size of 4.5mm on stainless steel.

   C. Wire basket shall have a 2-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28), (30), (32) inches wide.

   D. Wire basket shall have a 4-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28) inches wide.

   E. Wire basket shall have a 6-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20), (22), (24) inches wide.

   F. Wire basket shall have an 8-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20) inches wide.

5. All fittings shall be field formed from straight sections in accordance with manufacturer's instructions.

6. All Tray sections and splicing assemblies shall be UL/C-UL Classified as an Equipment Ground Conductor (EGC).

7. Wire mesh basket tray supports shall be ceiling trapeze type, center support, trapeze clips, or wall brackets as manufactured by Hubbell.

8. Special accessories shall be furnished as required to protect, support and install a wire basket support system.

TrukTrak® and TredTrak® Systems

AccessTrak® Systems

ProTrak™ Systems

Products at a Glance

TrukTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors

TredTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors

AccessTrak® Systems

- This interlocking system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance
- High density polyurethane construction is weather resistant
- AccessTrak is an expandable five channel system that expands by length or width
- High visibility safety symbols on blue and gray colors

ProTrak™ Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety yellow and black
- Anti-slip pad kits available

FloorTrak® Floor Cable Cover

- Flexible and rigid PVC material
- Protects and reduces trip hazards
- Available in four different sizes and five PVC colors to blend with the various decors
- Withstands temperatures of 0°F to +120°F (-18°C to +49°C)

Features and Benefits

Hubbell TrukTrak® non-metallic cable protectors are designed to safeguard electrical cables and cords from vehicle and pedestrian traffic. The TrukTrak interlocking system comes in two, three and five channel sizes and will protect cables up to 3.25 inches (82.6mm) in diameter. It is ideal for the industrial environment where it is necessary to support heavy trucks and fork lifts.

TredTrak® non-metallic cable protectors can also be interlocked to protect cables and cords of any length. The TredTrak system is a five channel modular cable protection system that will protect cable diameters up to 1.28 inches (32.5mm). It is designed to support pedestrian and light vehicle traffic in public, institutional and commercial applications. The Hubbell modular cable protection line also permits compliance with NEC® requirements (Article 525) for insulating electrical cables and cord at carnivals, amusement parks, convention centers and similar public areas.

The AccessTrak® ramping system is a modular cable protection product that enables users to be ADAAG (American Disabilities Act Accessibility Guidelines) compliant and limits the exposure of cables and hoses to people and light vehicles passing over those cables and hoses. AccessTrak is an expandable five channel system that will protect cable and hose diameters up to 1.31 inches (33.0mm). For applications requiring more than five channels, AccessTrak can be expanded by width. In addition, AccessTrak is interlocking expandable by length to protect cables and hoses of any length. The AccessTrak ramping system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance.

ProTrak™ non-metallic single channel cable protectors are suitable for lightweight vehicle and pedestrian traffic. Available in both black and yellow. The drop over PROTRK115 series can accommodate up to 0.75 inches (19.0mm), while the PROTRK140 can handle up to 1.50 inches (38.1mm). The hinged covered PROTRK1225 series can accommodate up to 0.75 inches (19.0mm). A unique tread surface provides maximum traction. ProTrak™ cable protectors can be interlocked as a single color run or as a yellow and black run.

FloorTrak® is a flexible, non-metallic cover for cables that run over the floor when portable cords and cables cannot be concealed or routed away from traffic patterns. FloorTrak protects, organizes and reduces trip hazards. Four different sizes mean it will handle cables of up to 1.25 inches (31.8mm) in diameter. FT2, FT3 and FT4 are available in five PVC colors to blend with the various decors. FT10 is available in black and yellow colors only. The F10 Heavy Duty FloorTrak is ideal for applications such as industrial work areas, food processing plants and abusive areas where cable management is necessary.

NEC® is a registered trademark of the The National Electrical Code.

Hose and Cable Protection Systems

TrukTrak® Systems

Ideal for Heavy Vehicle Traffic in Industrial, Commercial or Public Applications

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors

HBLTT545LB

HBLTT5B

HBLTT545RB

TrukTrak® Systems	A	B	C	D	E		
		Trak			Channel		
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel TrukTrak®, blue and yellow.	36.0" (914)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	30.60 (13.9)	**HBLTT5B**
5 Channel TrukTrak® end caps (pair only), yellow.	7.50" (190) 5.25" (133)	20" (508) 20" (508)	2.31" (58.7) 2.31" (58.7)	1.25" (31.8) 1.25" (31.8)	1.25" (31.8) 1.25" (31.8)	8.55 (3.9) 8.55 (3.9)	**HBLTT5ECB** (Female end) (Male end)
5 Channel 45° right turn TrukTrak®, blue and yellow.	25.0" (635)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	15.35 (7.0)	**HBLTT545RB**
5 Channel 45° left turn TrukTrak®, blue and yellow.	25.0" (635)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	14.45 (6.6)	**HBLTT545LB**
3 Channel TrukTrak®, blue and yellow.	36.0" (914)	20" (508)	3.05" (77.5)	2.25" (57.2)	2.25" (57.2)	30.85 (14.0)	**HBLTT3B**
3 Channel TrukTrak® end caps (pair only), yellow.	8.25" (209) 6.38" (162)	20" (508) 20" (508)	3.05" (77.5) 3.05" (77.5)	2.25" (57.2) 2.25" (57.2)	2.25" (57.2) 2.25" (57.2)	10.25 (4.6) 10.25 (4.6)	**HBLTT3ECB** (Female end) (Male end)
2 Channel TrukTrak®, blue and yellow.	36.0" (914)	22" (559)	4.13" (104.9)	3.25" (82.6)	3.25" (82.6)	41.00 (18.6)	**HBLTT2B**

TrukTrak (Top view) **TrukTrak (Side view)** **End Caps** **45° Left Turn** **45° Right Turn**

Female end

Male end

Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

No. of Channels	Test Fixture Footprint Inches (mm)	Tire Load lbs. +/- 20%		Axle Load lbs. +/- 20%	
		70°F (21°C)	120°F (49°C)	70°F (21°C)	120°F (49°C)
5	6.9" x 17.3" (175 X 439)	20,150	9,200	40,300	18,400
3	6.9" x 17.3" (175 X 439)	14,210	4,653	18,420	9,306
2	6.9" x 17.3" (175 X 439)	10,880	2,095	21,760	4,190

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

TredTrak® Systems

Improves Pedestrian Safety by Decreasing Risk of Tripping

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors

HBLTRED5YB

HBLTRED5B

HBLTRED5XB

TredTrak® Systems	A	B	C	D	E		
	Trak			Channel			
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel TredTrak®, blue and yellow.	36.0" (914)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	21.15 (9.6)	**HBLTRED5B**
5 Channel TredTrak® end caps (pair only), yellow.	5.75" (146)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	6.40 (2.9)	**HBLTRED5ECB** (Female end)
	5.75" (146)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	6.40 (2.9)	(Male end)
5 Channel TredTrak® female end caps (2 females), yellow.	5.75" (146)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	6.40 (2.9)	**HBLTRED5ECFB**
5 Channel "X" fitting, blue and yellow.	17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	14.25 (6.5)	**HBLTRED5XB**
5 Channel "Y" fitting, blue and yellow.	17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	13.95 (6.3)	**HBLTRED5YB**

TredTrak (Top view)

End Caps

Female end

Male end

"X" Fitting

"Y" Fitting

TredTrak (Side view)

Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

Product	Test Fixture Footprint Inches (mm)	Tire Load lbs. +/- 20%		Axle Load lbs. +/- 20%	
		70°F (21°C)	120°F (49°C)	70°F (21°C)	120°F (49°C)
TredTrak	6.9" x 17.3" (175 X 439)	10,500	6,500	21,000	13,000
"X" Fitting	6.9" x 17.3" (175 X 439)	2,900	2,300	5,800	5,600
"Y" Fitting	6.9" x 17.3" (175 X 439)	2,900	2,300	5,800	5,600

Dimensions in Inches (mm)

AccessTrak® Systems
ADA Compliant Limits Exposure of Cables and Hoses to Pedestrians

- This interlocking system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance
- High density polyurethane construction is weather resistant
- AccessTrak is an expandable five channel system that expands by length or width
- High visibility safety symbols on blue and gray colors

AccessTrak Expanded by Width

AccessTrak Expanded by Length

AccessTrak® System	A	B	C	D	E		
	Trak			Channel			
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel AccessTrak® kit*, blue and gray.	41.06" (1043.0)	42.90" (1090.0)	4.00" (102.0)	1.34" (34.0)	1.31" (33.0)	73.65 (33.41)	**HBLAT5KITA**
5 Channel AccessTrak® trough, blue and gray.	36.00" (914.0)	13.34" (339.0)	1.94" (49.0)	1.34" (34.0)	1.31" (33.0)	22.35 (10.14)	**HBLAT5A**
AccessTrak® trough end rails (set), gray.	2.50" (63.0)	13.28" (337.0)	4.00" (102.0)	—	—	6.95 (3.15)	**HBLAT5ERA**
AccessTrak® ramps (set), blue.	36.00" (914.0)	14.50" (368.0)	1.94" (49.0)	—	—	29.90 (13.56)	**HBLAT5RAMPA**
AccessTrak® ramp end rails (set), gray.	2.50" (63.5)	14.75" (375.0)	4.00" (102.0)	—	—	8.05 (3.65)	**HBLAT5RAMPERA**

*Note: *Consists of (1) HBLAT5A; (1 set) HBLAT5ERA; (1 set) HBLAT5RAMPA; (2 sets) HBLAT5RAMPERA.*

Assembled Kit
Accessibility label, blue symbol, white background

Blue Ramp   Color Light Gray   Blue Ramp

Trough (top view)
Cover Color Light Gray
Trough Color Blue

Trough (side view)

Ramp (top view)
Accessibility Label, Blue symbol White Background
Ramp Color Blue

Trough End Rails (side view)
Color Light Gray

Ramp End Rails (top view)

Ramp End Rails (side view)
Color Light Gray

Ramp (side view)
1.94" (49)
.25" (6.35)

Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3-1991.
ADA Symbols	Per ADAAG "Symbols of Accessibility"

Load Capacity

Product	Test Fixture Footprint Inches (mm)	Measured Load lbs. (N) +/- 20%	
		70°F (21°C)	120°F (49°C)
AccessTrak	7" x 7" (178 x 178)	10,000 (44,480)	8,000 (35,584)

Dimensions in Inches (mm)

ProTrak™ Systems

For Pedestrian and Light Vehicle Traffic

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety yellow and black
- Anti-slip pad kits available

PROTRK115Y

PROTRK140BK

PROTRK1225Y

ProTrak™ Systems	A	B	C	D	E		
	Trak			Channel			
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
1 Channel, drop over, yellow	36.0" (914)	5.25" (133)	.75" (19.0)	1.50" (38.1)	.50" (12.7)	3.00 (1.40)	**PROTRK115Y**
1 Channel, drop over, black	36.0" (914)	5.25" (133)	.75" (19.0)	1.50" (38.1)	.50" (12.7)	3.00 (1.40)	**PROTRK115BK**
1 Channel, drop over, yellow	36.0" (914)	10.75" (273)	1.50" (38.1)	4.00" (101.6)	1.00" (25.4)	8.00 (3.60)	**PROTRK140Y**
1 Channel, drop over, black	36.0" (914)	10.75" (273)	1.50" (38.1)	4.00" (101.6)	1.00" (25.4)	8.00 (3.60)	**PROTRK140BK**
1 Channel, hinged cover, yellow	36.0" (914)	10.81" (274)	1.25" (31.8)	2.25" (57.2)	.75" (19.0)	7.80 (3.54)	**PROTRK1225Y**
1 Channel, hinged cover, black	36.0" (914)	10.81" (274)	1.25" (31.8)	2.25" (57.2)	.75" (19.0)	7.80 (3.54)	**PROTRK1225BK**

PROTRK115 & PROTRK140 Series (Top view)   **(Side view)**   **PROTRK1225 Series (Top view)**   **(Side view)**

Accessories

ProTrak Series	Anti-Slip Pad Kits*
PROTRK115	**PROTRK1ASPK**
PROTRK140	**PROTRK2ASPK**
PROTRK1225	**PROTRK3ASPK**

*One kit per section

Load Capacity

Product	Test Fixture Footprint Inches (mm)	Tire Load lbs. +/- 20%	Axle Load lbs. +/- 20%
		70°F (21°C)	70°F (21°C)
PROTRK115	6.9" x 17.3" (175 X 439)	10,500	21,000
PROTRK140	6.9" x 17.3" (175 X 439)	10,500	21,000
PROTRK1225	6.9" x 17.3" (175 X 439)	13,000	26,000

Dimensions in Inches (mm)

Hose and Cable Protection Systems

FloorTrak® Floor Cable Cover
For Pedestrian Traffic in Office and Public Areas

- Flexible and rigid PVC material
- Protects and reduces trip hazards
- Available in four different sizes and five PVC colors to blend with the various decors
- Withstands temperatures of 0°F to +120°F (-18°C to +49°C)

FT2BK10

FT3BK5

FT4BK5

FT10BK5

FloorTrak® 2*

Color	Length Feet	(meters)	Catalog Number
Black	10.0'	(3.05)	FT2BK10
Brown	10.0'	(3.05)	FT2BR10
Beige	10.0'	(3.05)	FT2BG10
Gray	10.0'	(3.05)	FT2GY10
Yellow	10.0'	(3.05)	FT2Y10

FloorTrak® 3*

Color	Length Feet	(meters)	Catalog Number
Black	5.0'	(1.52)	FT3BK5
Black	25.0'	(7.62)	FT3BK25
Brown	5.0'	(1.52)	FT3BR5
Brown	25.0'	(7.62)	FT3BR25
Beige	5.0'	(1.52)	FT3BG5
Beige	25.0'	(7.62)	FT3BG25
Gray	5.0'	(1.52)	FT3GY5
Gray	25.0'	(7.62)	FT3GY25
Yellow	5.0'	(1.52)	FT3Y5
Yellow	25.0'	(7.62)	FT3Y25

*Note: *ADA Compliant Section 4.5.2.*

FloorTrak® 4

Color	Length Feet	(meters)	Catalog Number
Black	5.0'	(1.52)	FT4BK5
Black	25.0'	(7.62)	FT4BK25
Gray	25.0'	(7.62)	FT4GY25
Yellow	5.0'	(1.52)	FT4Y5
Yellow	25.0'	(7.62)	FT4Y25

FloorTrak® 10 (Heavy Duty)

Color	Length Feet	(meters)	Catalog Number
Black	3.0'	(.914)	FT10BK3
Black	5.0'	(1.52)	FT10BK5
Yellow	3.0'	(.914)	FT10Y3
Yellow	5.0'	(1.52)	FT10Y5

Accessories

Description	Catalog Number
1" Wide, 75' Roll Double-Sided Adhesive Tape.	FTT1
2" Wide, 75' Roll Double-Sided Adhesive Tape.	FTT2

Dimensions

FloorTrak®	FT2 in. (mm)	FT3 in. (mm)	FT4 in. (mm)	FT10 (Heavy Duty) in. (mm)
Width (A)	2.75" (69.9)	3.00" (76.2)	3.25" (82.6)	5.6" (142.24)
Height (B)	.53" (13.5)	.75" (19.1)	1.10" (27.9)	1.7" (43.18)
Center Hole (CxD)	.60" x .31" (15.2) x (7.9)	.75" x .50" (19.1) x (12.7)	1.21" x .75" (30.7) x (19.1)	1.81" x 1.25" (45.98 x 31.75)

Specifications

Material	Rigid PVC.
Operating Temperature	0°F to +120°F (-18°C to +49°C).

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Pulling Grips

Support Grips

Cord Connectors

Products at a Glance

Pulling Grips

- The galvanized steel mesh grip provides strength for secure pulling jobs
- Endless weave allows easy installation onto cable
- Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs
- Shoulder protectors contain the cable inside the grip

Support Grips

- Solid eye assemblies provide eye reinforcement at support hardware
- Four eye styles available: single, double, universal and offset
- Identification tag shows: catalog number, diameter range, agency approval and bar code
- Available in tin coated bronze, stainless steel and non-metallic aramid fiber

Fiber Optic Cable Grips

- Pulling Grips are used for outside plant cable; they are easy to install and remove, reusable and have a slim profile for small build up
- OPTISOK® Grip is a revolutionary tool to pull pre-terminated fiber optic cables. They will protect the connectors and guide the bundle through the pulling environment
- Will support the cable's weight as it hangs in vertical, sloping or horizontal position

Strain Relief Grips

- Stainless steel mesh is corrosion resistant. Can be used inside or outside
- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure

Cord Connectors

- Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector bod
- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection

PolyTuff® Non-Metallic Liquidtight Conduit and Fittings

- Nylon compression nut has a tapered dome to tighten ferrule onto conduit
- Tapered, machined threads fasten securely and provide additional liquidtight sealing
- Non-integral, reusable steel, ferrule is easily installed, to seal conduit
- PVC tubing handles twists, turns, bends, switchbacks and straightaways with ease
- UL listed/recognized and CSA certified

Quick Reference Selection Guide for Grip Applications

Pulling Grips

Heavy-Duty Rotating Eye
For underground wiring and overhead heavy-duty pulling of service lines and new construction cable. See pages X-8 and X-9.

Heavy-Duty Flexible Eye
For overhead transmission and distribution line stringing. See pages X-7, X-8, and X-10.

Slack Grips
For removing underground cable and pulling slack in existing cable and new installations and when end of cable is not available. See pages X-11 and X-12.

Light-Duty Flexible Eye
For light industrial pulling of electrical cable and for underground and industrial plant wiring and re-wiring. See page X-13.

Support Grips

Single Eye
For single hook attachment of permanent indoor/outdoor cable. Available on heavy-duty, standard duty, and service drop grips. See pages X-20, X-24, and X-26.

Double Eye
For double hook attachment of permanent indoor/outdoor cable. Available on heavy-duty and standard duty grips. See pages X-21 and X-25.

Single Offset Eye
For offset hook attachment of permanent indoor/outdoor cable. Available on standard duty and light-duty support grips. See page X-22.

Universal Eye
Used to fasten around a structure or closed loop. Available on standard duty support and light or heavy duty service drop grips. See pages X-23 and X-27.

Support Grips

Wide Range Bus Drop
Used indoors for cable support where flexible cable connects electrical equipment to bus duct. Support air hose and water hose. See page X-28.

Strain Relief Grips

Dust-Tight Strain Relief
Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems. See page X-55.

Deluxe Cord
Indoor or outdoor use where subject to moisture, splash, or washdown. Examples are enclosures, crane hoist and pendant drop stations, hand tools, pumps, and processing equipment. Available in straight, 90°, or 45° configurations. See pages X-50 to X-54.

Liquid-Tight, Flexible Metal Conduit
Wiring of machine tools, electrical enclosures, motors, and systems subjected to vibration, flexure, motion, or strain. Available in straight, 90°, or 45° configurations. See pages X-58 to X-60.

Other Specialty Grips

Splicing Grips
Used as temporary splice for cable and wire rope, or as reinforcement to protect cables and hoses. See pages X-14 and X-15.

Conduit Riser Grips
Ideal for supporting electrical wires inside rigid conduit via a supporting ring. See pages X-29 to X-31.

Hose Containment Grips
Used on flexible hose lines to prevent violent whipping of hose in the event of failure at the fitting. See pages X-46 and X-47.

Specifications are subject to change without notice.

Kellems® Wire Mesh Grips Diagram

Bus Drop
Support Grip

Flexible
Conduit Grip

Support Grip

INDUSTRY

Flexible
Conduit Grip

Strain
Relief Grip

Deluxe
Cord Grip

Support Grip

To help you fully visualize the variety of uses available to you through Hubbell-Kellems Mesh Grips, we have prepared this diagram of common applications. It follows the typical pattern of usage you would find traveling from utility to industrial, commercial and residential environments.

Pulling Grips are instrumental in the installations of transmission lines, service lines and cabling for construction and maintenance.

Support Grips provide holding management for indoor and outdoor permanent cable installations.

Strain Relief Grips are most often used to provide maximum reliability and minimum maintenance in areas where cords on machinery or equipment is impacted by motion or vibration or at risk of damage from cable pullout.

Beyond the electrical applications illustrated here, Hubbell-Kellems Mesh Grips can be used for wire management on radio and microwave communications towers, crane and hoist wire rope maintenance, elevator cable management and more.

Support Grip

Conduit
Support Grip

Support Grip

UTILITY

Overhead
Pulling Grip

UTILITY

Bus Drop
Support Grip

Deluxe Cord Grip

Underground
Pulling Grip

Strain Relief Grip

Bus Drop
Support Grip

INDUSTRY

Hose
Containment
Grip

Conduit Support

Support Grip

Underground
Pulling Grip

COMMERCIAL

RESIDENTIAL

Features and Benefits

Kellems® Pulling Grips

Pulling grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit.

These grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

• Made of high strength galvanized steel strand

• Mesh design offers the greatest holding power for all pulling applications

• Each grip size is color coded for fast and accurate identification and selection

• Will mate with swivels

Mesh Grip

• The galvanized steel mesh grip provides strength for secure pulling jobs and a slim profile with little build-up; it has flexibility to follow cable path

• The multiweave styles available add strength for big pulling jobs and provide positive gripping power

Eye Styles

• Heavy-duty rotating eye for underground wiring and overhead heavy-duty pulling of service lines and new construction cable

• Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs

Cable Protection

• Shoulder protectors contain the cable inside the grip and smooth the passage of the grip over line stringing blocks or conduit bends; they protect the leading edge of the grip from abrasion

Accessories

• Swivels are essential to the efficiency and safety of any high tension application

• Punch-Lok® Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose

• Banding tools

DUA-PULL® Grips, Flexible Eye, Double Weave Mesh

DUA-PULL Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They have a dual function of working with both bare and insulated conductors and synthetic rope, not provided by any other grip. Kellems' patented two-over, two-under weave design gives exceptional strength and gripping ability by putting more steel mesh in contact with the cable or rope surfaces. **THIS IS THE ONLY PULLING GRIP RECOMMENDED FOR USE ON SYNTHETIC ROPE.**

Benefits

- Made of high strength galvanized steel strand
- Recommended for pulling bare or insulated conductor, wire rope and synthetic rope
- DUA-PULL mesh design offers the greatest holding power for all pulling applications
- Each grip size is color coded for fast and accurate identification and selection
- Will mate with swivels, see page X-16

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-17 and X-18.

DUA-PULL® Grips

Diameter Range		Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Eye Dia. Inches (cm)	Over Cable and Grip** Inches (cm)	Color Code	Catalog Number
Conductor Inches (cm)	Rope* Inches (cm)								
.19"-.37" (.48-.94)	.25"-.65" (.63-1.65)	6,500	1,300	10" (25.40)	24" (60.96)	.220" (.56)	.200" (.51)	Black	**033271037**
.38"-.62" (.97-1.57)	.50"-.90" (1.27-2.29)	14,000	2,800	12" (30.48)	36" (91.44)	.375" (.95)	.280" (.71)	Dk Green	**033271038**
.63"-.87" (1.60-2.21)	.75"-1.10" (1.90-2.79)	20,000	4,000	13" (33.02)	48" (121.92)	.437" (1.11)	.360" (.91)	Red	**033271039**
.88"-1.12" (2.24-2.84)	1.00"-1.50" (2.54-3.81)	30,600	6,120	15" (38.10)	60" (152.40)	.500" (1.27)	.500" (1.27)	Dk Blue	**033271040**
1.13"-1.37" (2.87-3.48)	1.25"-1.70" (3.17-4.32)	46,800	9,360	18" (45.72)	76" (193.04)	.625" (1.59)	.625" (1.59)	Yellow	**033271041**
1.38"-1.90" (3.51-4.38)	1.50"-2.10" (3.81-5.33)	66,500	13,300	24" (60.96)	89" (226.06)	.750" (1.90)	.750" (1.90)	Aluminum	**033271042**

Note: E = Eye length. M = Mesh length at nominal diameter.
    *For rope, select smallest size grip which meets required work load.
    **Add to cable or rope diameter.

Feed Tubes

The Kellems Feed Tube is used when assembling synthetic rope into the DUA-PULL Grip. It is required on the largest two sizes of DUA-PULL Grips. Feed Tubes are available for use on all size DUA-PULL Grips.

Benefits

- Saves time, allowing fast, easy assembly
- Can be reused if not damaged

DUA-PULL® Feed Tubes

For Use with DUA-PULL Grips	Rope Diameter Inches (cm)	Feed Tube Length Inches (cm)	Catalog Number
033271037	.25"-.65" (.63-1.65)	28" (71.12)	**091061043**
033271038	.50"-.90" (1.27-2.29)	40" (101.60)	**091061044**
033271039	.75"-1.10" (1.90-2.79)	52" (132.08)	**091061045**
033271040	1.00"-1.50" (2.54-3.81)	67" (170.18)	**091061046**
033271041	1.25"-1.70" (3.17-4.32)	83" (210.82)	**091061047**
033271042	1.50"-2.10" (3.81-5.33)	96" (243.84)	**091061048**

Note: 1. Do not run grips or swivels over bullwheels while under tension.
    2. Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail.
       Banding is required to ensure maximum reliability and guard against accidental release, see page X-16.
    3. Double braided rope, such as 2-in-1 type, should be back spliced for approximately 2/3 of the mesh length for best gripping results.
       Grip size should be selected by diameter of back splice.

Dimensions in Inches (mm)

Multiple Strength Style Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are made of high strength galvanized steel strand and feature a multi-weave mesh construction of single, double and triple weave for firm holding power.

Rotating Eye Feature

Multiple Strength Grips are available with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined and will thread through blocks and sheaves without binding. **The rotating eye is not a swivel and will not turn while under tension**; it can turn to relieve pulling torque when tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page X-16. For rotating eye dimensions, see page X-9.

Benefits

- Economical, high strength pulling tool
- Multi-weave construction provides greater strength and holding power
- Endless Weave Grip end lies flat on the cable and will not snag

Multiple Strength Grip, Rotating Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Color Code	Catalog Number
.25"-.49" (.63-1.24)	6,800	1,360	5" (12.70)	26" (66.04)	⅞" (2.22)	Dark Green	**03302016**
.50"-.74" (1.27-1.88)	10,000	2,000	6" (15.24)	32" (81.28)	1" (2.54)	Brown	**03302018**
.75"-.99" (1.90-2.51)	14,400	2,880	6" (15.24)	41" (104.14)	1" (2.54)	Light Blue	**03302020**
1.00"-1.24" (2.54-3.15)	24,600	4,920	8" (20.32)	52" (132.08)	1⅜" (3.49)	Gold	**03302022**
1.25"-1.49" (3.17-3.78)	30,600	6,120	8" (20.32)	56" (142.24)	1⅝" (4.13)	Black	**03302024**
1.50"-1.74" (3.81-4.42)	30,600	6,120	9" (22.86)	60" (152.40)	1⅞" (4.76)	Red	**03302026**
1.75"-2.24" (4.44-5.69)	48,000	9,600	10" (25.40)	70" (177.80)	1⅞" (4.76)	Dark Blue	**03302028**
2.00"-2.49" (5.08-6.32)	48,000	9,600	10" (25.40)	50" (127.00)	1⅞" (4.76)	Yellow	**03302066**
2.50"-2.99" (6.35-7.59)	48,000	9,600	10" (25.40)	52" (132.08)	1⅞" (4.76)	Orange	**03302097**
3.00"-3.49" (7.62-8.86)	48,000	9,600	10" (25.40)	50" (127.00)	1⅞" (4.76)	Aluminum	**033021030**
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	53" (134.62)	1⅞" (4.76)	Light Green	**033021031**

Note: E- Eye length   M-Mesh length at nominal diameter.

Flexible Eye Feature

Multiple Strength Grips are also available with a flexible, patented wire rope eye. This compact eye will mate with a swivel, and pass through blocks and sheaves without binding.

Multiple Strength Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Eye Dia. Inches (cm)	Color Code	Catalog Number
.25"-.49" (.63-1.24)	6,800	1,360	9" (22.86)	26" (66.04)	¼" (.63)	Dark Green	**03302044**
.50"-.74" (1.27-1.88)	10,000	2,000	9" (22.86)	32" (81.28)	⁵⁄₁₆" (.79)	Brown	**03302046**
.75"-.99" (1.90-2.51)	14,400	2,880	11" (27.94)	41" (104.14)	⅜" (.95)	Light Blue	**03302048**
1.00"-1.24" (2.54-3.15)	24,600	4,920	12" (30.48)	52" (132.08)	½" (1.27)	Gold	**03302050**
1.25"-1.49" (3.17-3.78)	30,600	6,120	12" (30.48)	56" (142.24)	½" (1.27)	Black	**03302052**
1.50"-1.74" (3.81-4.42)	30,600	6,120	12" (30.48)	60" (152.40)	½" (1.27)	Red	**03302054**
1.75"-2.24" (4.44-5.69)	48,000	9,600	18" (45.72)	70" (177.80)	⅝" (1.59)	Dark Blue	**03302056**
2.00"-2.49" (5.08-6.32)	48,000	9,600	18" (45.72)	50" (127.00)	⅝" (1.59)	Yellow	**033021078**
2.50"-2.99" (6.35-7.59)	48,000	9,600	18" (45.72)	52" (132.08)	⅝" (1.59)	Orange	**033021079**
3.00"-3.49" (7.62-8.86)	48,000	9,600	18" (45.72)	50" (127.00)	⅝" (1.59)	Aluminum	**033021080**
3.50"-3.99" (8.89-10.13)	48,000	9,600	18" (45.72)	53" (134.62)	⅝" (1.59)	Light Green	**033021081**

Note: E- Eye length. M-Mesh length at nominal diameter.
 1. Do not run grips or swivels over bullwheels while under tension.
 2. Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail.
 Banding is required to ensure maximum reliability and guard against accidental release, see page X-16.

Dimensions in Inches (mm)

K-Type Grips

Kellems® Rotating Eye, K-Type Pulling Grips are made of high strength galvanized steel strand. All Grips feature double weave mesh for greater strength and added mesh contact on the table, to handle longer or heavier pulling jobs. The forged eye mates easily with a swivel or shackle.

Rotating Eye Feature

K-Type Grips come equipped with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined, and will thread through blocks and sheaves without binding. **The rotating eye is not a swivel and will not turn while under tension**; it can turn to relieve pulling torque when the tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page X-16. For rotating eye dimensions, see below.

Benefits

- An economical tool for pulling cable
- Safe, rugged and dependable
- Equipped with a rotating eye for spin out of pulling torque after load release
- Easily installed and removed

K-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Catalog Number
Short						
.50"-.62" (1.27-1.57)	5,600	1,120	5" (12.70)	11" (27.94)	⅞" (2.22)	**03301001**
.63"-.74" (1.60-1.88)	6,800	1,360	5" (12.70)	11" (27.94)	⅞" (2.22)	**03301002**
.75"-.99" (1.90-2.51)	6,800	1,360	6" (15.24)	20" (50.80)	1" (2.54)	**03301013**
1.00"-1.24" (2.54-3.15)	12,800	2,560	7" (17.78)	20" (50.80)	1⅜" (3.49)	**03301014**
1.25"-1.49" (3.17-3.78)	12,800	2,560	7" (17.78)	21" (53.34)	1⅜" (3.49)	**03301016**
1.50"-1.99" (3.81-5.05)	16,400	3,280	7" (17.78)	25" (63.50)	1⅜" (3.49)	**03301017**
2.00"-2.49" (5.08-6.32)	27,200	5,440	8" (20.32)	26" (66.04)	1⅝" (4.13)	**03301018**
2.50"-2.99" (6.35-7.59)	33,000	6,600	10" (25.40)	28" (71.12)	1⅞" (4.76)	**03301019**
3.00"-3.49" (7.62-8.86)	41,000	8,200	10" (25.40)	30" (76.20)	1⅞" (4.76)	**03301020**
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	32" (81.28)	1⅞" (4.76)	**03301021**
4.00"-4.49" (10.16-11.40)	48,000	9,600	10" (25.40)	33" (83.82)	1⅞" (4.76)	**033011017**
Standard						
.50"-.62" (1.27-1.57)	5,600	1,120	5" (12.70)	16" (40.64)	⅞" (2.22)	**03301011**
.63"-.74" (1.60-1.88)	6,800	1,360	5" (12.70)	16" (40.64)	⅞" (2.22)	**03301012**
.75"-.99" (1.90-2.51)	9,600	1,920	6" (15.24)	32" (81.28)	1" (2.54)	**03301024**
1.00"-1.49" (2.54-3.78)	16,400	3,280	7" (17.78)	33" (83.82)	1⅜" (3.49)	**03301025**
1.50"-1.99" (3.81-5.05)	16,400	3,280	7" (17.78)	34" (86.36)	1⅜" (3.49)	**03301026**
2.00"-2.49" (5.08-6.32)	27,200	5,440	9" (22.86)	36" (91.44)	1⅝" (4.13)	**03301027**
2.50"-2.99" (6.35-7.59)	33,000	6,600	10" (25.40)	38" (96.52)	1⅞" (4.76)	**03301028**
3.00"-3.49" (7.62-8.86)	41,000	8,200	10" (25.40)	39" (99.06)	1⅞" (4.76)	**03301029**
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	41" (104.14)	1⅞" (4.76)	**03301030**
4.00"-4.49" (10.16-11.40)	48,000	9,600	10" (25.40)	42" (106.68)	1⅞" (4.76)	**03301031**
4.50"-4.99" (11.43-12.67)	48,000	9,600	10" (25.40)	58" (147.32)	1⅞" (4.76)	**03301039**
5.00"-5.99" (12.70-15.21)	40,000	8,000	10" (25.40)	60" (152.40)	1⅞" (4.76)	**03301047**
6.00"-6.99" (15.24-17.75)	48,000	9,600	10" (25.40)	66" (167.64)	1⅞" (4.76)	**03301045**

Note: E- Eye length. M-Mesh length at nominal diameter.
See page X-18 for multiple cables in a single pulling grip.

Rotating Eye Dimensions

Rotating Eye Dimensions Inches (cm)	A	B	C	D	F
⅞" (2.22)	⅞" (2.22)	9/32" (.71)	½" (1.27)	⅞" (2.22)	2⅝" (6.67)
1" (2.54)	1" (2.54)	½" (1.27)	9/16" (1.43)	13/16" (2.06)	3½" (8.89)
1⅜" (3.49)	1⅜" (3.49)	½" (1.27)	11/16" (1.75)	1" (2.54)	4½" (11.43)
1⅝" (4.13)	1⅝" (4.13)	⅝" (1.59)	⅞" (2.22)	13/16" (3.02)	5 5/16" (13.49)
1⅞" (4.76)	1⅞" (4.76)	21/32" (1.67)	1" (2.54)	1⅜" (3.49)	6⅛" (15.56)

Dimensions in Inches (mm)

T-Type Grips

Kellems® Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-17 and X-18.

Application

T-Type Pulling Grips are used for the installation of underground power cables, communication lines and service lines into factories, construction projects and for general underground electrical construction. Available in two mesh lengths, short for medium pulls and standard for general purpose pulling.

Benefits

- Will pull a single cable or cable bundles
- Patented flexible eye design provides flexibility to follow line of pull
- A dependable, reusable pulling tool
- Easily installed and removed
- Mates easily with a swivel, see page X-16

T-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Short					
.50"-.62" (1.27-1.57)	4,500	900	8" (20.32)	21" (53.34)	**033041082**
.63"-.74" (1.60-1.88)	5,600	1,120	8" (20.32)	24" (60.96)	**033041083**
.75"-.99" (1.90-2.51)	6,800	1,360	9" (22.86)	24" (60.96)	**033041084**
1.00"-1.49" (2.54-3.78)	9,600	1,920	9" (22.86)	24" (60.96)	**033041085**
1.50"-1.99" (3.81-5.05)	16,400	3,280	11" (27.94)	24" (60.96)	**033041086**
2.00"-2.49" (5.08-6.32)	18,500	3,700	12" (30.48)	24" (60.96)	**033041087**
2.50"-2.99" (6.35-7.59)	24,500	4,900	12" (30.48)	24" (60.96)	**033041088**
3.00"-3.49" (7.62-8.86)	24,500	4,900	14" (35.56)	24" (60.96)	**033041089**
3.50"-3.99" (8.89-10.13)	31,000	6,200	14" (35.56)	26" (66.04)	**033041090**
Standard					
.75"-.99" (1.90-2.51)	6,800	1,360	9" (22.86)	36" (91.44)	**033041091**
1.00"-1.49" (2.54-3.78)	9,600	1,920	9" (22.86)	36" (91.44)	**033041092**
1.50"-1.99" (3.81-5.05)	16,400	3,280	11" (27.94)	36" (91.44)	**033041093**
2.00"-2.49" (5.08-6.32)	18,500	3,700	12" (30.48)	36" (91.44)	**033041094**
2.50"-2.99" (6.35-7.59)	24,500	4,900	12" (30.48)	36" (91.44)	**033041095**
3.00"-3.49" (7.62-8.86)	24,500	4,900	14" (35.56)	36" (91.44)	**033041096**
3.50"-3.99" (8.89-10.13)	31,000	6,200	14" (35.56)	40" (101.60)	**033041097**

Note: E- Eye length. M-Mesh length at nominal diameter.
See page X-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Non-Conductive Grips

Kellems® Non-Conductive Pulling Grips, made of a high strength, non-conductive aramid fiber, are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-17 and X-18.

Benefits

- Color coded for fast on-site selection
- Extra flexibility for easy installation
- Non-metallic mesh provides for safe pulls over "hot" areas
- Pellethane jacketed aramid fiber mesh resists abrasion
- Grips are corrosion resistant

Non-Conductive Grips, Single Eye, Double Weave, Non-Metallic

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Inches (cm)	Color Code	Catalog Number
.50"-.62" (1.27-1.57)	1,000	200	5.5" (13.97)	24" (60.96)	.44" (1.12)	Green	**03628001**
.63"-.74" (1.60-1.88)	2,000	400	5.5" (13.97)	26" (66.04)	.44" (1.12)	Yellow	**03628002**
.75"-.99" (1.90-2.51)	2,000	400	6.0" (15.24)	31" (78.74)	.63" (1.60)	Red	**03628003**
1.00"-1.24" (2.54-3.15)	3,000	600	6.5" (16.51)	36" (91.44)	.63" (1.60)	Blue	**03628004**
1.25"-1.49" (3.17-3.78)	3,000	600	6.7" (17.02)	41.5" (105.41)	.63" (1.60)	White	**03628005**
1.50"-1.99" (3.81-5.05)	3,000	600	8.0" (20.32)	44.0" (121.76)	.63" (1.60)	Pink	**03628006**

Note: E- Eye length. M-Mesh length at nominal diameter.
Taping is required to guard against accidental release and to insure maximum reliability. Apply vinyl plastic electrical tape starting 2" to 3" (5.08cm to 7.62cm) from the tail of the grip onto 2" to 3" (5.08cm to 7.62cm) of cable.

Slack Pulling Grips

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

Benefits

- Easy attachment to pulling lines
- Galvanized steel for strength

Slack Grip-Closed Mesh, Offset Eye, Double Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Standard					
.75"-.99" (1.90-2.51)	2,600	520	7" (17.78)	12" (30.48)	**03308003**
1.00"-1.24" (2.54-3.15)	4,000	800	8" (20.32)	15" (38.10)	**03308004**
1.25"-1.49" (3.17-3.78)	5,400	1,080	8" (20.32)	16" (40.64)	**03308005**
1.50"-1.74" (3.81-4.42)	6,600	1,320	8" (20.32)	20" (50.80)	**03308006**
1.75"-1.99" (4.44-5.05)	10,000	2,000	10" (25.40)	18" (45.72)	**03308007**
2.00"-2.49" (5.08-6.32)	11,000	2,200	10" (25.40)	19" (48.26)	**03308008**
2.50"-2.99" (6.35-7.59)	11,000	2,200	10" (25.40)	20" (50.80)	**03308009**
3.00"-3.49" (7.62-8.86)	14,500	2,900	12" (30.48)	21" (53.34)	**03308010**
3.50"-3.99" (8.89-10.13)	14,500	2,900	12" (30.48)	22" (55.88)	**03308011**

Note: E- Eye length. M-Mesh length at nominal diameter.
See page X-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Slack Pulling Grips

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

Benefits

• Easy attachment to pulling lines

• Reusable rawhide lace for lace closure

• Galvanized steel for strength

Slack Grip-Split Mesh, Rawhide Lace Closing, Offset Eye, Double Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Standard					
.75"-.99" (1.90-2.51)	2,500	500	7" (17.78)	12" (30.48)	**03309003**
1.00"-1.24" (2.54-3.15)	3,500	700	8" (20.32)	15" (38.10)	**03309004**
1.25"-1.49" (3.17-3.78)	4,000	800	8" (20.32)	16" (40.64)	**03309005**
1.50"-1.74" (3.81-4.42)	4,000	800	9" (22.86)	17" (43.18)	**03309006**
1.75"-1.99" (4.44-5.05)	4,000	800	10" (25.40)	18" (45.72)	**03309007**
2.00"-2.49" (5.08-6.32)	4,000	800	10" (25.40)	19" (48.26)	**03309008**
2.50"-2.99" (6.35-7.59)	4,000	800	10" (25.40)	20" (50.80)	**03309009**
Long					
1.50"-1.99" (3.81-5.05)	4,000	800	9" (22.86)	25" (63.50)	**03309015**
2.00"-2.49" (5.08-6.32)	4,000	800	10" (25.40)	26" (66.04)	**03309016**
2.50"-2.99" (6.35-7.59)	4,000	800	10" (25.40)	29" (73.66)	**03309017**
3.00"-3.49" (7.62-8.86)	4,000	800	12" (30.48)	32" (81.28)	**03309018**
3.50"-3.99" (8.89-10.13)	4,000	800	12" (30.48)	35" (88.90)	**03309019**

Benefits

• Easy attachment to pulling lines

• Galvanized steel for strength

Slack Grip-Split Mesh, Rod Closing, Offset Eye, Single Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.50"-.61" (1.27-1.55)	1,500	300	7" (17.78)	6" (15.24)	**03310001**
.62"-.74" (1.57-1.88)	1,800	360	7" (17.78)	8" (20.32)	**03310002**
.75"-.99" (1.90-2.51)	2,200	440	7" (17.78)	10" (25.40)	**03310003**
1.00"-1.24" (2.54-3.15)	3,400	680	8" (20.32)	12" (30.48)	**03310004**
1.25"-1.49" (3.17-3.78)	4,500	900	8" (20.32)	14" (35.56)	**03310005**
1.50"-1.74" (3.81-4.42)	5,800	1,160	9" (22.86)	15" (38.10)	**03310006**
1.75"-1.99" (4.44-5.05)	7,600	1,520	10" (25.40)	16" (40.64)	**03310007**
2.00"-2.49" (5.08-6.32)	9,000	1,800	10" (25.40)	19" (48.26)	**03310008**
2.50"-2.99" (6.35-7.59)	11,000	2,200	10" (25.40)	20" (50.80)	**03310009**
3.00"-3.49" (7.62-8.86)	12,000	2,400	12" (30.48)	21" (53.34)	**03310010**
3.50"-3.99" (8.89-10.13)	12,000	2,400	12" (30.48)	24" (60.96)	**03310011**

Note: E- Eye length. M-Mesh length at nominal diameter.
*   1. Replacement rawhide lace. Catalog number 20920002.*
*   2. See page X-35 for lace and rod closing instructions.*
*   See page X-18 for multiple cables in a single pulling grip.*

Dimensions in Inches (mm)

CSA®

Light Duty Grips

Light Duty Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-17 and X-18.

Benefits

- Perfect tools for light pulling jobs
- Installs easily on cable
- Strong galvanized steel construction

Light Duty Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Short					
.50"-.62" (1.27-1.57)	2,800	560	5" (12.70)	11" (27.94)	**03303001**
.63"-.74" (1.60-1.88)	2,800	560	5" (12.70)	11" (27.94)	**03303002**
.75"-.99" (1.90-2.51)	4,000	800	6" (15.24)	12" (30.48)	**03303003**
1.00"-1.24" (2.54-3.15)	5,300	1,060	7" (17.78)	13" (33.02)	**03303004**
1.25"-1.49" (3.17-3.78)	5,300	1,060	7" (17.78)	14" (35.56)	**03303005**
1.50"-1.74" (3.81-4.42)	6,800	1,360	8" (20.32)	15" (38.10)	**03303006**
1.75"-1.99" (4.44-5.05)	8,500	1,700	9" (22.86)	17" (43.18)	**03303007**
2.00"-2.49" (5.08-6.32)	8,500	1,700	9" (22.86)	18" (45.72)	**03303008**
Standard					
.50"-.62" (1.27-1.57)	2,800	560	5" (12.70)	16" (40.64)	**03303010**
.63"-.74" (1.60-1.88)	2,800	560	5" (12.70)	16" (40.64)	**03303011**
.75"-.99" (1.90-2.51)	4,000	800	6" (15.24)	20" (50.80)	**03303012**
1.00"-1.24" (2.54-3.15)	6,800	1,360	7" (17.78)	20" (50.80)	**03303013**
1.25"-1.49" (3.17-3.78)	6,800	1,360	7" (17.78)	21" (53.34)	**03303015**
1.50"-1.99" (3.81-5.05)	6,800	1,360	8" (20.32)	23" (58.42)	**03303016**
2.00"-2.49" (5.08-6.32)	8,500	1,700	9" (22.86)	25" (63.50)	**03303017**
2.50"-2.99" (6.35-7.59)	10,600	2,120	9" (22.86)	27" (68.58)	**03303018**
3.00"-3.49" (7.62-8.86)	14,700	2,940	10" (25.40)	30" (76.20)	**03303019**
3.50"-3.99" (8.89-10.13)	14,700	2,940	10" (25.40)	32" (81.28)	**03303029**

Junior Pulling Grips

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape.

Benefits

- Installs easily over building wire
- Strong secure grip
- Reusable
- Pulls single cable or cable bundles

Junior Pulling Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Model	Catalog Number
.19"-.24" (.48-.61)	400	80	3¼" (8.25)	4¼" (10.79)	J19	**03305011***
.25"-.37" (.63-.94)	450	90	3¼" (8.25)	4¼" (10.79)	J25	**03305001**
.38"-.49" (.97-1.24)	900	180	3¾" (9.52)	7" (17.78)	J37	**03305002**
.50"-.62" (1.27-1.57)	1,300	260	4¼" (10.79)	8½" (21.59)	J50	**03305003**
.63"-.74" (1.60-1.88)	1,950	390	5" (12.70)	10" (25.40)	J62	**03305004**
.75"-.99" (1.90-2.51)	2,800	560	5¾" (14.60)	10" (25.40)	J75	**03305005**
1.00"-1.24" (2.54-3.15)	3,900	780	6½" (16.51)	11½" (29.21)	J100	**03305006**
Junior Grip Kit contains 6 grips, one of each size above, except 03305011.						**033051114**

Note: E- Eye length. M-Mesh length at nominal diameter.
  *Not included in Junior Grip Kit, 033051114.
  See page X-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Wire Rope Grips

Wire Rope Grips are made of high strength galvanized steel strand in a construction of triple, double and single weave for superior gripping ability. They are available with or without a rotating barrel which will help eliminate twist in the old rope from being transferred to the new rope.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-17 and X-18.

Benefits

• High strength for secure pulling

• Easy installation

• Flexible to pass through sheaves and blocks

Application

Wire Rope Grips are used for changing wire rope on oil derricks, large cranes, overhead cranes and drag lines. It provides a quick, safe, inexpensive temporary splice. By installing the used wire rope in one end and the new rope in the other, the new wire rope can be pulled in as the old one is pulled out.

Regular Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Approx. Strength of Grip Feet (m)	Catalog Number
.56"-.62" (1.43-1.59)	7,500	1,500	5.75 (1.75)	**03316001**
.75"-.88" (1.90-2.22)	12,500	2,500	6.75 (1.90)	**03316002**
1.00"-1.13" (2.54-2.86)	16,000	3,200	7.00 (2.13)	**03316003**
1.25"-1.38" (3.17-3.49)	20,000	4,000	8.00 (2.44)	**03316004**
1.38"-1.50" (3.49-3.81)	20,000	4,000	8.00 (2.44)	**03316006**

Rotating Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Approx. Strength of Grip Feet (m)	Barrel Dimensions Length. x O.D. In. (cm)	Catalog Number
.44"-.50" (1.11-1.27)	5,000	1,000	5.33 (1.63)	3.00" (7.62) x .87" (2.21)	**03317001**
.56"-.63" (1.43-1.59)	7,500	1,500	5.83 (1.78)	4.25" (10.79) x 1.00" (2.54)	**03317002**
.75"-.88" (1.90-2.22)	12,500	2,500	6.50 (1.98)	4.25" (10.79) x 1.00" (2.54)	**03317003**
1.00"-1.13" (2.54-2.86)	16,000	3,200	8.67 (2.64)	5.50" (13.97) x 1.37" (3.48)	**03317004**
1.25"-1.38" (3.17-3.49)	20,000	4,000	9.00 (2.74)	5.50" (13.97) x 1.37" (3.48)	**03317005**
1.50"-1.75" (3.81-4.44)	20,000	4,000	11.00 (3.35)	5.50" (13.97) x 1.37" (3.48)	**03317006**

Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page X-16 for end bands.
2. The rotating barrel is not a swivel and will not turn while under tension. It can turn to relieve pulling torque when tension is relaxed.

Dimensions in Inches (mm)

Cable Splicing Grips

Splicing Grips are made of galvanized steel in double weave mesh construction. They are available in various lengths and sizes to suit most applications.

Benefits

• Easily installed or removed

• Galvanized steel construction for strength

• Flexible to follow cable path

Application

Splicing Grips are used as a temporary splice for rope, cable or wire rope. They can also be used as cable reinforcement and can act as a shield to protect cables and hoses from abrasion.

Double Weave Splicing Grips

Cable Diameter Range Inches (cm)	.37"-.49" (.94-1.24)	.50"-.61" (1.27-1.55)	.62"-.74" (1.57-1.88)	.75"-.99" (1.90-2.51)	1.00"-1.49" (2.54-3.78)
Approx. Breaking Strength Lbs.	3,500	3,500	4,400	7,500	10,000
Mesh Length Inches (cm)	Catalog Number				
18" (45.72)	013041330	01304064	01304009	—	—
24" (60.96)	—	01304011	01304013	01304010	01304015
36" (91.44)	—	—	013041234	01304054	01304055
48" (121.92)	—	—	—	01304017	01304029
72" (182.88)	—	—	—	01304037	013041333

Junior Splicing Grips, Single Weave

Junior Splicing Grips are made of galvanized steel and are designed for use in very light duty and small splicing jobs.

Benefits

• Easily installed or removed

• Galvanized steel construction for strength

• Flexible to follow cable path

Junior Tube

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Length @ Nom Diameter Inches (cm)	Catalog Number
.18"-.24" (.46-.61)	400	80	7" (17.78)	01301008
.25"-.36" (.63-.91)	400	80	8" (20.32)	01301013

Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page X-16 for end bands.

Dimensions in Inches (mm)

Punch-Lok® Bands

Punch-Lok Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose. Also, they assure full gripping action by locking the mesh of the tail in tight contact with the cable or rope.

When the tail of a grip is the leading end, the bands are particularly important to prevent accidental release caused by tripping on obstructions. A conductor-to-conductor (double-socking) pulling operation is a good example: where two grips connect two conductors to form a temporary splice. In all cases two Punch-Lok® Bands should be double wrapped approximately one inch to two inches (2.54cm to 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. It is also common practice to tape over the banded tail area to assure smooth passage through the sheaves. The conductor should be installed in the grip up to the elbows of the aluminum shoulders in order to assure full and complete gripping action as illustrated above.

20320054

20320048

20320047

Punch-Lok® Bands

Grip Banding Range Inches (cm)	Band Width Inches (cm)	Band Inside Diameter Inches (cm)	Model	Catalog Number
.25"-1.13" (.63-2.86)	.38" (.95)	1.38" (3.49)	0-311	**20320050**
1.13"-1.63" (2.86-4.13)	.38" (.95)	2.00" (5.08)	0-316	**20320051**
1.63"-2.25" (4.13-5.71)	.63" (1.59)	2.50" (6.35)	0-10	**20320052**
2.25"-3.50" (5.71-8.89)	.63" (1.59)	4.00" (10.16)	0-16	**20320053**
3.50"-5.00" (8.89-12.70)	.63" (1.59)	6.00" (15.24)	0-24	**20320054**

Accessories

Punch-Lok Tools	Catalog Number
P-1000 for use with .63" width Banding tool.	**20320048**
P-38 for use with .38" and .63" width Banding tool for tight spaces.	**20320047**

Stainless Steel Swivels

Swivels are essential to the efficiency and safety of any high tension application. They are particularly important where continuous pulls develop higher and higher torque levels. Torque is intensified by the pull-resistance of the cable itself and the resistance of the high tension controlling equipment regulating line sag. Ball bearing swivels release torque and prevent it from reaching dangerous levels that can damage the cable and obstruct the lines.

Stainless Steel Swivels

Maximum Safe Working Load Lbs. (N)	Dimensions in Inches (cm)							Model	Catalog Number
	A	B	C	D	E	F	G		
2,250 (10,000)	.88" (2.22)	2.50" (6.35)	3.38" (8.57)	.44" (1.11)	.38" (0.95)	.31" (0.79)	.97" (2.46)	A-13L	**20308001A**
5,000 (22,240)	1.25" (3.17)	3.69" (9.37)	4.75" (12.06)	1.22" (1.35)	1.22" (1.35)	.41" (1.03)	1.28" (3.25)	BB-13L	**20308002A**
9,000 (40,030)	1.50" (3.81)	4.25" (10.79)	5.63" (14.29)	.69" (1.75)	1.28" (1.51)	.50" (1.27)	1.56" (3.97)	B-13L	**20308003A**
10,000 (44,480)	1.63" (4.13)	4.50" (11.43)	6.00" (15.24)	.75" (1.90)	.69" (1.75)	.63" (1.59)	1.72" (4.36)	C-13L	**20308004A**
30,000 (133,440)	2.38" (6.03)	7.63" (19.37)	10.00" (25.40)	1.19" (3.02)	1.03" (2.62)	.88" (2.22)	2.78" (7.06)	D-13L	**20308005A**

20308001A

Punch-Lok® is a registered trademark of Punch-Lok Inc.

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.steveneng.com

Kellems Pulling Grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit. Kellems Pulling Grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

WARNING: **It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.**

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.

Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications.

Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength

The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user.

Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.

Do not modify the grip in any way.

Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10) for support grips.

Pulling hardware should only be attached to the eye of the grip.

A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling applications.

Do not run grips and swivels around sheaves or bull wheels while under tension. For synthetic rope, use Kellems Dua-Pull Grips only.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Select The Correct Pulling Grip

Each Kellems Grip is designed to work on a specific range of cable diameters.

Step 1 Refer to the chart below to determine the style of grip best suited for your application.

Step 2 Determine your cable outside diameter.

Step 3 Find the grip size that encompasses your cable diameter.

Step 4 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page X-34 for safety and working load factors.

Pulling Grip Selection Chart

Grip Style	Application	Page Number
DUA-PULL®, flexible eye	Extra high strength overhead transmission line stringing for bare or insulated conductor and synthetic rope.	X-7
Multiple strength, flexible eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	X-8
Multiple strength, rotating eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	X-8
K-type grip, rotating eye	Underground power cables and communication lines. Service lines into factories.	X-9
T-type grip, flexible eye	Underground power cables and communication lines. Service lines into factories.	X-10
Non-conductive, flexible eye	Pull insulated distribution cable into place.	X-11
Slack pulling, closed mesh	Remove underground cable. For pulling slack in final placement of new cable when end of cable is available.	X-11
Slack pulling, split mesh,	Remove underground cable. For pulling slack in final placement of new cable rawhide lace closing when end of cable is not available.	X-12
Slack pulling, split mesh,	Remove underground cable. For pulling slack in final placement of new cable rod closing when end of cable is not available, with rod closing for quick installation.	X-12
Light duty, flexible eye	Light pulling, underground electrical construction. Industrial plant wiring and rewiring jobs.	X-13
Junior, flexible eye	Connect bundled insulated building wire to a pulling tape. Pull wire through conduit.	X-13
Regular and rotating wire rope	Restring wire rope in cranes and oil rigs.	X-14
Splicing	Temporary splice for cable or wire rope.	X-15
Pulling Grip Accessories	Tools, bands, swivels.	X-16
Fiber Optic Cable Pulling Grips	Pull fiber optic cable into place overhead, underground or through duct and conduit.	X-39 to X-43

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.

3. Choose a grip offering a range of cable diameters the same as the cable diameter.

For Pulling Grips*

CAUTION: When a grip is used on multiple cables, the tail end of the grip should be banded after positioning on the cables.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: Three cables, each with .89" (2.26cm) diameter, for a Closed Grip select the 1.50"-1.74" (3.81cm-4.42cm) range, for a Split Grip select the 1.75"-1.99" (4.44cm-5.05cm) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia.Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.60)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is not to be used for Conduit Riser Grips. Refer to the chart for Conduit Riser multiple cable section. It is always recommended that, when multiple cables are installed in a pulling grip, the tail end be banded and tightly taped after installation on the cable bundle. See page X-16 for end bands.*

Features and Benefits

Kellems® Support Grips

They are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction.

Kellems support grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 series stainless are for severe service or unusual environmental conditions. For exceptional immunity to rust and corrosion with superior strength and flexibility for heavy duty support application in harsh environments available upon request; contact the factory.

Mesh Grip
- The positive action mesh grip is designed for light duty up to heavy duty; closed grips fit over the cable end, split grips wrap around the cable mid-span
- The endless weave provides easy installation onto cable and can be easily repositioned

Eye Styles
- Four eye styles available: single (shown), double, universal and offset
- Solid eye assemblies provide eye reinforcement at support hardware
- Each Kellems grip is designed to work on a specific range of cable diameters

Cable Identification
- Identification tag shows: catalog number, diameter range, agency approval and bar code
- The strand equalizer positions wires for equal loading throughout the entire grip length

Strand Equalizer
- Positions wires for equal loading throughout the entire grip length

Standard Duty Support Grips

Single Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-33 and X-34.

Single Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	7" (17.78)	10" (25.40)	02201013	02401013
.63"-.74" (1.60-1.88)	790	2,060	79	206	8" (20.32)	10" (25.40)	02201014	02401014
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	8" (20.32)	13" (33.02)	02201015	02401015
1.00"-1.24" (2.54-3.15)	1,610	2,678	161	268	9" (22.86)	14" (35.56)	02201017	02401017
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	10" (25.40)	15" (38.10)	02201018	02401018
1.50"-1.74" (3.81-4.42)	1,610	4,492	161	449	12" (30.48)	17" (43.18)	02201019	02401019
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	14" (35.56)	19" (48.26)	02201020	02401020
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	16" (40.64)	21" (53.34)	02201021	02401021
2.50"-2.99" (6.35-7.59)	3,260	8,947	326	895	18" (45.72)	23" (58.42)	02201022	02401022
3.00"-3.49" (7.62-8.86)	4,900	13,420	490	1,342	21" (53.34)	25" (63.50)	02201023	02401023
3.50"-3.99" (8.89-10.13)	4,900	—	490	—	24" (60.96)	27" (68.58)	02201024	—

Single Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	7" (17.78)	10" (25.40)	02202013	02402013
.63"-.74" (1.60-1.88)	790	2,066	79	207	8" (20.32)	10" (25.40)	02202014	02402014
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	8" (20.32)	13" (33.02)	02202015	02402015
1.00"-1.24" (2.54-3.15)	1,610	2,670	161	267	9" (22.86)	14" (35.56)	02202017	02402017
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	10" (25.40)	15" (38.10)	02202018	02402018
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	12" (30.48)	17" (43.18)	02202019	02402019
1.75"-1.99" (4.44-5.05)	2,150	4,375	215	437	14" (35.56)	19" (48.26)	02202020	02402020
2.00"-2.49" (5.08-6.32)	3,260	8,947	326	895	16" (40.64)	21" (53.34)	02202021	02402021
2.50"-2.99" (6.35-7.59)	3,260	8,940	326	894	18" (45.72)	23" (58.42)	02202022	02402022
3.00"-3.49" (7.62-8.86)	4,900	13,420	490	1,342	21" (53.34)	25" (63.50)	02202023	02402023
3.50"-3.99" (8.89-10.13)	4,900	13,420	490	1,342	24" (60.96)	27" (68.58)	02202024	02402024

Single Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	790	1,050	79	105	7" (17.78)	8.5" (21.59)	02203013	02403013
.63"-.74" (1.60-1.88)	790	2,050	79	205	8" (20.32)	8.5" (21.59)	02203014	02403014
.75"-.99" (1.90-2.51)	1,020	2,050	102	205	8" (20.32)	10.5" (26.67)	02203015	02403015
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	9" (22.86)	12.5" (31.75)	02203017	02403017
1.25"-1.49" (3.17-3.78)	1,610	4,500	161	450	10" (25.40)	14.5" (36.83)	02203018	02403018
1.50"-1.74" (3.81-4.42)	1,610	4,500	161	450	12" (30.48)	15.5" (39.37)	02203019	02403019
1.75"-1.99" (4.44-5.05)	2,150	6,000	215	600	14" (35.56)	16.5" (41.91)	02203020	02403020
2.00"-2.49" (5.08-6.32)	3,260	8,950	326	895	16" (40.64)	19.5" (49.53)	02203021	02403021
2.50"-2.99" (6.35-7.59)	3,260	7,750	326	775	18" (45.72)	21.5" (54.61)	02203022	02403022
3.00"-3.49" (7.62-8.86)	5,750	8,500	575	850	21" (53.34)	23.5" (59.69)	02203023	02403023
3.50"-3.99" (8.89-10.13)	5,750	—	575	—	24" (60.96)	25.5" (64.77)	02203024	—

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Standard Duty Support Grips

Double Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-33 and X-34.

Double Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	4" (10.16)	10" (25.40)	**02201001**	**02401001**
.63"-.74" (1.60-1.88)	790	2,060	79	206	4" (10.16)	10" (25.40)	**02201002**	**02401002**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	4" (10.16)	13" (33.02)	**02201003**	**02401003**
1.00"-1.24" (2.54-3.15)	1,610	2,670	161	267	5" (12.70)	14" (35.56)	**02201005**	**02401005**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	5" (12.70)	15" (38.10)	**02201006**	**02401006**
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	5" (12.70)	17" (43.18)	**02201007**	**02401007**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	6" (15.24)	19" (48.26)	**02201008**	**02401008**
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	6" (15.24)	21" (53.34)	**02201009**	**02401009**
2.50"-2.99" (6.35-7.59)	3,260	8,940	326	894	6" (15.24)	23" (58.42)	**02201010**	**02401010**
3.00"-3.49" (7.62-8.86)	4,900	12,000	490	1,200	8" (20.32)	25" (63.50)	**02201011**	**02401011**
3.50"-3.99" (8.89-10.13)	4,900	12,000	490	1,200	8" (20.32)	27" (68.58)	**02201012**	**02401012**

Double Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	—	53	—	4" (10.16)	10" (25.40)	**02202001**	—
.63"-.74" (1.60-1.88)	790	2,066	79	207	4" (10.16)	10" (25.40)	**02202002**	**02402002**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	4" (10.16)	13" (33.02)	**02202003**	**02402003**
1.00"-1.24" (2.54-3.15)	1,610	2,678	161	268	5" (12.70)	14" (35.56)	**02202005**	**02402005**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	5" (12.70)	15" (38.10)	**02202006**	**02402006**
1.50"-1.74" (3.81-4.42)	1,610	3,750	161	375	5" (12.70)	17" (43.18)	**02202007**	**02402007**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	6" (15.24)	19" (48.26)	**02202008**	**02402008**
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	6" (15.24)	21" (53.34)	**02202009**	**02402009**
2.50"-2.99" (6.35-7.59)	3,260	—	326	—	6" (15.24)	23" (58.42)	**02202010**	—
3.00"-3.49" (7.62-8.86)	4,900	—	490	—	8" (20.32)	25" (63.50)	**02202011**	—
3.50"-3.99" (8.89-10.13)	4,900	—	490	—	8" (20.32)	27" (68.58)	**02202012**	—

Double Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	790	—	79	—	4" (10.16)	6.5"	**02203001**	—
.63"-.74" (1.60-1.88)	790	2,050	79	205	4" (10.16)	8.5" (21.59)	**02203002**	**02403002**
.75"-.99" (1.90-2.51)	1,020	2,050	102	205	4" (10.16)	10.5" (26.67)	**02203003**	**02403003**
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	5" (12.70)	12.5" (31.75)	**02203005**	**02403005**
1.25"-1.49" (3.17-3.78)	1,610	3,750	161	375	5" (12.70)	14.5" (36.83)	**02203006**	**02403006**
1.50"-1.74" (3.81-4.42)	1,610	3,750	161	375	5" (12.70)	15.5" (39.37)	**02203007**	**02403007**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	215	6" (15.24)	16.5" (41.91)	**02203008**	**02403008**
2.00"-2.49" (5.08-6.32)	3,260	8,950	326	326	6" (15.24)	19.5" (49.53)	**02203009**	**02403009**
2.50"-2.99" (6.35-7.59)	3,260	8,950	326	326	6" (15.24)	21.5" (54.61)	**02203010**	**02403010**
3.00"-3.49" (7.62-8.86)	5,750	11,150	575	1,115	8" (20.32)	23.5" (59.69)	**02203011**	**02403011**
3.50"-3.99" (8.89-10.13)	5,750	—	575	—	8" (20.32)	25.5" (64.77)	**02203012**	—

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Standard Duty Support Grips

Offset Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

Offset Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	4" (10.16)	10" (25.40)	**02201037**	**02401037**
.63"-.74" (1.60-1.88)	750	1,950	75	195	4" (10.16)	10" (25.40)	**02201038**	**02401038**
.75"-.99" (1.90-2.51)	950	2,060	95	206	4" (10.16)	13" (33.02)	**02201039**	**02401039**
1.00"-1.24" (2.54-3.15)	1,500	2,678	150	268	5" (12.70)	14" (35.56)	**02201041**	**02401041**
1.25"-1.49" (3.17-3.78)	1,500	4,490	150	449	5" (12.70)	15" (38.10)	**02201042**	**02401042**
1.50"-1.74" (3.81-4.42)	1,500	3,700	150	370	5" (12.70)	17" (43.18)	**02201043**	**02401043**
1.75"-1.99" (4.44-5.05)	2,000	4,375	200	437	6" (15.24)	19" (48.26)	**02201044**	**02401044**
2.00"-2.49" (5.08-6.32)	3,100	5,500	310	550	9" (22.86)	21" (53.34)	**02201045**	**02401045**
2.50"-2.99" (6.35-7.59)	3,100	—	310	—	9" (22.86)	23" (58.42)	**02201046**	—
3.00"-3.49" (7.62-8.86)	3,800	—	380	—	11" (27.94)	25" (63.50)	**02201047**	—
3.50"-3.99" (8.89-10.13)	3,250	—	325	—	11" (27.94)	27" (68.58)	**02201048**	—

Offset Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	500	—	50	—	4" (10.16)	10" (25.40)	**02202037**	—
.63"-.74" (1.60-1.88)	750	1,952	75	195	4" (10.16)	10" (25.40)	**02202038**	**02402038**
.75"-.99" (1.90-2.51)	950	—	95	—	4" (10.16)	13" (33.02)	**02202039**	—
1.00"-1.24" (2.54-3.15)	1,500	—	150	—	5" (12.70)	14" (35.56)	**02202041**	—
1.25"-1.49" (3.17-3.78)	1,500	4,490	150	449	5" (12.70)	15" (38.10)	**02202042**	**02402042**
1.50"-1.74" (3.81-4.42)	1,500	—	150	—	5" (12.70)	17" (43.18)	**02202043**	—
1.75"-1.99" (4.44-5.05)	1,800	4,375	180	437	6" (15.24)	19" (48.26)	**02202044**	**02402044**
2.00"-2.49" (5.08-6.32)	2,150	5,500	215	550	9" (22.86)	21" (53.34)	**02202045**	**02402045**
2.50"-2.99" (6.35-7.59)	2,150	5,500	215	550	9" (22.86)	23" (58.42)	**02202046**	**02402046**
3.00"-3.49" (7.62-8.86)	3,250	10,190	325	1,019	11" (27.94)	25" (63.50)	**02202047**	**02402047**
3.50"-3.99" (8.89-10.13)	3,250	—	325	—	11" (27.94)	27" (68.58)	**02202048**	—

Offset Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	500	1,000	50	100	4" (10.16)	7" (17.78)	**02203037**	**02403037**
.63"-.74" (1.60-1.88)	750	1,950	75	195	4" (10.16)	9" (22.86)	**02203038**	**02403038**
.75"-.99" (1.90-2.51)	950	1,950	95	195	4" (10.16)	10" (25.40)	**02203039**	**02403039**
1.00"-1.24" (2.54-3.15)	1,500	2,500	150	250	5" (12.70)	12" (30.48)	**02203041**	**02403041**
1.25"-1.49" (3.17-3.78)	1,500	4,200	150	420	5" (12.70)	14" (35.56)	**02203042**	**02403042**
1.50"-1.74" (3.81-4.42)	1,500	4,500	150	450	5" (12.70)	15" (38.10)	**02203043**	**02403043**
1.75"-1.99" (4.44-5.05)	2,000	4,375	200	437	6" (15.24)	16" (40.64)	**02203044**	**02403044**
2.00"-2.49" (5.08-6.32)	3,100	8,350	310	835	9" (22.86)	19" (48.26)	**02203045**	**02403045**
2.50"-2.99" (6.35-7.59)	3,100	—	310	—	9" (22.86)	20" (50.80)	**02203046**	—
3.00"-3.49" (7.62-8.86)	4,300	8,400	430	840	11" (27.94)	21" (53.34)	**02203047**	**02403047**
3.50"-3.99" (8.89-10.13)	4,900	—	490	—	11" (27.94)	21" (53.34)	**02203048**	—

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Standard Duty Support Grips

Universal Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

Universal Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	18" (45.72)	10" (25.40)	**02201051**	**02401051**
.63"-.74" (1.60-1.88)	790	2,060	79	206	18" (45.72)	10" (25.40)	**02201052**	**02401052**
.75"-.99" (1.90-2.51)	1,020	2,066	102	207	18" (45.72)	13" (33.02)	**02201053**	**02401053**
1.00"-1.24" (2.54-3.15)	1,610	—	161	—	18" (45.72)	14" (35.56)	**02201050**	—
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	18" (45.72)	15" (38.10)	**02201054**	**02401054**
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	18" (45.72)	17" (43.18)	**02201055**	**02401055**
1.75"-1.99" (4.44-5.05)	2,150	—	215	—	18" (45.72)	19" (48.26)	**02201056**	—
2.00"-2.49" (5.08-6.32)	3,260	—	326	—	18" (45.72)	21" (53.34)	**02201057**	—
2.50"-2.99" (6.35-7.59)	3,260	—	326	—	18" (45.72)	23" (58.42)	**02201058**	—

Universal Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	—	53	—	18" (45.72)	10" (25.40)	**02202050**	—
.63"-.74" (1.60-1.88)	790	2,060	79	206	18" (45.72)	10" (25.40)	**02202051**	**02402051**
.75"-.99" (1.90-2.51)	1,020	—	102	—	18" (45.72)	13" (33.02)	**02202052**	—
1.00"-1.24" (2.54-3.15)	1,610	—	161	—	18" (45.72)	14" (35.56)	**02202054**	—
1.25"-1.49" (3.17-3.78)	1,610	—	161	—	18" (45.72)	15" (38.10)	**02202055**	—
1.50"-1.74" (3.81-4.42)	1,610	—	161	—	18" (45.72)	17" (43.18)	**02202056**	—
1.75"-1.99" (4.44-5.05)	2,150	—	215	—	18" (45.72)	19" (48.26)	**02202057**	—
2.00"-2.49" (5.08-6.32)	3,260	—	326	—	18" (45.72)	21" (53.34)	**02202058**	—
2.50"-2.99" (6.35-7.59)	3,260	—	326	—	18" (45.72)	23" (58.42)	**02202059**	—
3.50"-3.99" (8.89-10.13)	4,900	—	490	—	18" (45.72)	27" (68.58)	**02202061**	—

Universal Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	790	—	79	—	18" (45.72)	8.5" (21.59)	**02203064**	—
.63"-.74" (1.60-1.88)	790	2,050	79	205	18" (45.72)	8.5" (21.59)	**02203065**	**02403065**
.75"-.99" (1.90-2.51)	1,020	2,050	102	205	18" (45.72)	10.5" (26.67)	**02203066**	**02403066**
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	18" (45.72)	12.5" (31.75)	**02203068**	**02403068**
1.25"-1.49" (3.17-3.78)	1,610	4,500	161	450	18" (45.72)	14.5" (36.83)	**02203069**	**02403069**
1.50"-1.74" (3.81-4.42)	1,610	4,500	161	450	18" (45.72)	15.5" (39.37)	**02203070**	**02403070**
1.75"-1.99" (4.44-5.05)	2,150	—	215	—	18" (45.72)	16.5" (41.91)	**02203071**	—
2.00"-2.49" (5.08-6.32)	3,260	—	326	—	18" (45.72)	19.5" (49.53)	**02203072**	—
2.50"-2.99" (6.35-7.59)	3,260	—	326	—	18" (45.72)	21.5" (54.61)	**02203073**	—
3.00"-3.49" (7.62-8.86)	5,750	—	575	—	18" (45.72)	23.5" (59.69)	**02203074**	—

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Non-Metallic Support Grips

Single Eye, Double Weave, Non-Metallic Aramid Fiber.

Kellems® Non-Metallic Support Grips

Kellems® Non-Metallic Support Grips, made of a high strength double weave aramid fiber, are available for supporting cable in corrosive environments.

Non-Metallic Support Grips, Single Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Color Code	Catalog Number
.50"-.62" (1.27-1.57)	1,000	100	6.0" (15.24)	22" (55.88)	Green	**02601001**
.63"-.74" (1.60-1.88)	2,000	200	6.0" (15.24)	24" (60.96)	Yellow	**02601002**
.75"-.99" (1.90-2.51)	2,000	200	6.0" (15.24)	28.5" (72.39)	Red	**02601003**
1.00"-1.24" (2.54-3.15)	3,000	300	6.0" (15.24)	31" (78.74)	Blue	**02601004**
1.25"-1.49" (3.17-3.78)	3,000	300	6.0" (15.24)	36.5" (92.71)	White	**02601005**
1.50"-1.99" (3.81-5.05)	3,000	300	6.0" (15.24)	40" (101.60)	Pink	**02601006**

Note: Specified for corrosive applications.

Heavy Duty Support Grips

Single Eye, Double Weave, Tin-Coated Bronze and Stainless Steel

Heavy Duty, Single Eye, Closed Mesh

For heavy duty permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.75"-.99" (1.90-2.51)	2,820	4,200	282	420	10" (25.40)	25" (63.50)	**02206010**	**02406010**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	12" (30.48)	28" (71.12)	**02206011**	**02406011**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	12" (30.48)	30" (76.20)	**02206012**	**02406012**
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,115	12" (30.48)	34" (86.36)	**02206013**	**02406013**

Single Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.75"-.99" (1.90-2.51)	2,820	4,200	282	420	10" (25.40)	25" (63.50)	**02207010**	**02407010**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	12" (30.48)	28" (71.12)	**02207011**	**02407011**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	12" (30.48)	30" (76.20)	**02207012**	**02407012**
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,115	12" (30.48)	34" (86.36)	**02207013**	**02407013**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Heavy Duty Support Grips

Double Eye, Double Weave, Tin-Coated Bronze and Stainless Steel.

Double Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.75"-.99" (1.90-2.51)	2,820	4,250	282	425	10" (25.40)	25" (63.50)	**02206001**	**02406001**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	10" (25.40)	28" (71.12)	**02206002**	**02406002**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	10" (25.40)	30" (76.20)	**02206003**	**02406003**
1.50"-1.99" (3.81-5.05)	4,280	11,100	428	1,110	10" (25.40)	34" (86.36)	**02206004**	**02406004**
2.00"-2.49" (5.08-6.32)	8,050	20,100	805	2,010	12" (30.48)	36" (91.44)	**02206005**	**02406005**
2.50"-2.99" (6.35-7.59)	8,050	20,100	805	2,010	12" (30.48)	38" (96.52)	**02206006**	**02406006**
3.00"-3.49" (7.62-8.86)	10,060	25,200	1,006	2,520	12" (30.48)	40" (101.60)	**02206007**	**02406007**
3.50"-3.99" (8.89-10.13)	12,070	—	1,207	—	12" (30.48)	44" (111.76)	**02206008**	—
4.00"-4.49" (10.16-11.40)	12,070	—	1,207	—	12" (30.48)	46" (116.84)	**02206009**	—
4.50"-4.99" (11.43-12.67)	12,070	—	1,207	—	12" (30.48)	68" (172.72)	**02208009**	—

Double Eye, Split Mesh, Lace Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.75"-.99" (1.90-2.51)	2,820	4,250	282	425	10" (25.40)	25" (63.50)	**02207001**	**02407001**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	10" (25.40)	28" (71.12)	**02207002**	**02407002**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	10" (25.40)	30" (76.20)	**02207003**	**02407003**
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,110	10" (25.40)	34" (86.36)	**02207004**	**02407004**
2.00"-2.49" (5.08-6.32)	8,050	20,150	805	2,010	12" (30.48)	36" (91.44)	**02207005**	**02407005**
2.50"-2.99" (6.35-7.59)	8,050	20,150	805	2,010	12" (30.48)	38" (96.52)	**02207006**	**02407006**
3.00"-3.49" (7.62-8.86)	10,060	25,200	1,006	2,520	12" (30.48)	40" (101.60)	**02207007**	**02407007**
3.50"-3.99" (8.89-10.13)	12,070	30,200	1,207	3,020	12" (30.48)	44" (111.76)	**02207008**	**02407008**
4.00"-4.49" (10.16-11.40)	12,070	30,200	1,207	3,020	12" (30.48)	46" (116.84)	**02207009**	**02407009**
4.50"-4.99" (11.43-12.67)	12,070	—	1,207	—	12" (30.48)	68" (172.72)	**02209009**	—

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

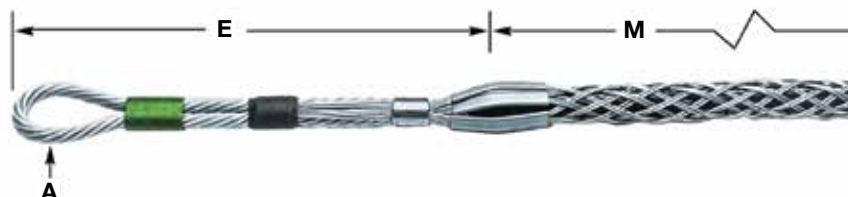## Service Drop Grips

Single Eye, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-33 and X-34.

Light Duty, Single Eye, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.23"-.31" (.58-.79)	290	700	29	70	3" (7.62)	3.75" (9.52)	**02216001**	**02416001**
.29"-.37" (.74-.94)	290	700	29	70	5" (12.70)	4.25" (10.79)	**02216002**	**02416002**
.35"-.44" (.89-1.12)	500	850	50	85	5.5" (13.97)	4.75" (12.06)	**02216003**	**02416003**
.41"-.50" (1.04-1.27)	500	850	50	85	5.5" (13.97)	5" (12.70)	**02216004**	**02416004**
.46"-.56" (1.17-1.42)	660	850	66	85	6" (15.24)	5.25" (13.33)	**02216005**	**02416005**
.52"-.62" (1.32-1.57)	790	1,050	79	105	7" (17.78)	6.25" (15.87)	**02216006**	**02416006**
.58"-.68" (1.47-1.73)	790	1,050	79	105	7" (17.78)	6¹ " (16.51)	**02216007**	**02416007**
.64"-.75" (1.63-1.90)	790	1,050	79	105	7" (17.78)	6.75" (17.14)	**02216008**	**02416008**
.70"-.81" (1.78-2.06)	790	2,050	79	205	7" (17.78)	7.25" (18.41)	**02216009**	**02416009**
.75"-.87" (1.90-2.21)	1,020	2,050	102	205	8" (20.32)	8" (20.32)	**02216010**	**02416010**
.81"-.94" (2.06-2.39)	1,020	2,050	102	205	8" (20.32)	8.25" (20.95)	**02216011**	**02416011**
.87"-1.00" (2.21-2.54)	1,020	—	102	—	8" (20.32)	8.75" (22.22)	**02216012**	—
.94"-1.06" (2.39-2.69)	1,020	2,050	102	205	9" (22.86)	9" (22.86)	**02216013**	**02416013**
1.00"-1.18" (2.54-3.00)	1,020	2,050	102	205	9" (22.86)	9.5" (24.13)	**02216014**	**02416014**
1.06"-1.25" (2.69-3.17)	1,020	2,050	102	205	9" (22.86)	9.5" (24.13)	**02216015**	**02416015**

Heavy Duty, Single Eye, Closed Mesh, Multi-Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.23"-.31" (.58-.79)	500	1,400	50	140	5" (12.70)	4.5" (11.43)	**02217001**	**02417001**
.29"-.37" (.74-.94)	500	1,150	50	115	5" (12.70)	5.5" (13.97)	**02217002**	**02417002**
.35"-.44" (.89-1.12)	870	1,700	87	170	6" (15.24)	6.5" (16.51)	**02217003**	**02417003**
.41"-.50" (1.04-1.27)	870	1,700	87	170	6" (15.24)	7.5" (19.05)	**02217004**	**02417004**
.46"-.56" (1.17-1.42)	1,050	2,100	105	210	6" (15.24)	8" (20.32)	**02217005**	**02417005**
.52"-.62" (1.32-1.57)	1,050	2,100	105	210	7" (17.78)	8.5" (21.59)	**02217006**	**02417006**
.58"-.68" (1.47-1.73)	1,050	2,100	105	210	7" (17.78)	9.5" (24.13)	**02217007**	**02417007**
.64"-.75" (1.63-1.90)	1,390	4,161	139	416	7" (17.78)	9.5" (24.13)	**02217008**	**02417008**
.70"-.81" (1.78-2.06)	1,390	4,100	139	410	8" (20.32)	10.5" (26.67)	**02217009**	**02417009**
.75"-.87" (1.90-2.21)	1,390	—	139	—	8" (20.32)	10.5" (26.67)	**02217010**	—
.81"-.94" (2.06-2.39)	1,390	—	139	—	8" (20.32)	10.5" (26.67)	**02217011**	—
.87"-1.00" (2.21-2.54)	1,790	5,350	179	535	8" (20.32)	11.5" (29.21)	**02217012**	**02417012**
.94"-1.06" (2.39-2.69)	1,790	5,300	179	530	9" (22.86)	12.5" (31.75)	**02217013**	**02417013**
1.00"-1.18" (2.54-3.00)	1,790	5,300	179	530	9" (22.86)	13.5" (34.29)	**02217014**	**02417014**
1.06"-1.25" (2.69-3.17)	1,790	5,350	179	535	9" (22.86)	14.5" (36.83)	**02217015**	**02417015**

Note: E-Eye length. M-Mesh length at nominal diameter.

.29'' (.74)

.31'' (.79) Dia.

2.00'' (5.08)

4.86'' (12.42)

Screw Hook
Catalog Number **20303001**
Yield Strength 900 lbs (4003 N)

Dimensions in Inches (mm)

Service Drop Grips

Universal Eye, Tin-Coated Bronze.

Light Duty, Universal Eye, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.23"-.31" (.58-.79)	290	29	9" (22.86)	3.75" (9.52)	**02216016**
.29"-.37" (.74-.94)	290	29	10" (25.40)	4.25" (10.79)	**02216017**
.35"-.44" (.89-1.12)	500	50	10" (25.40)	4.75" (12.06)	**02216018**
.41"-.50" (1.04-1.27)	500	50	11" (27.94)	5" (12.70)	**02216019**
.46"-.56" (1.17-1.42)	660	66	12" (30.48)	5.25" (13.33)	**02216020**
.52"-.62" (1.32-1.57)	790	79	13" (33.02)	6.25" (15.87)	**02216021**
.58"-.68" (1.47-1.73)	790	79	13" (33.02)	6.5" (16.51)	**02216022**
.64"-.75" (1.63-1.90)	790	79	13" (33.02)	6.75" (17.14)	**02216023**
.70"-.81" (1.78-2.06)	790	79	13" (33.02)	7.25" (18.41)	**02216024**
.75"-.87" (1.90-2.21)	1,020	102	14" (35.56)	8" (20.32)	**02216025**
.81"-.94" (2.06-2.39)	1,020	102	14" (35.56)	8.25" (20.95)	**02216026**
.87"-1.00" (2.21-2.54)	1,020	102	14" (35.56)	8.75" (22.22)	**02216027**
.94"-1.06" (2.39-2.69)	1,020	102	15" (38.10)	9" (22.86)	**02216028**
1.00"-1.18" (2.54-3.00)	1,020	102	15" (38.10)	9.5" (24.13)	**02216029**
1.06"-1.25" (2.69-3.17)	1,020	102	15" (38.10)	9.5" (24.13)	**02216030**

Heavy Duty, Universal Eye, Closed Mesh, Multi-Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.23"-.31" (.58-.79)	500	50	11" (27.94)	4.5" (11.43)	**02217016**
.28"-.37" (.74-.94)	500	50	11" (27.94)	5.5" (13.97)	**02217017**
.35"-.44" (.89-1.12)	870	87	12" (30.48)	6.5" (16.51)	**02217018**
.41"-.50" (1.04-1.27)	870	87	12" (30.48)	7.5" (19.05)	**02217019**
.46"-.56" (1.17-1.42)	1,050	105	12" (30.48)	8" (20.32)	**02217020**
.52"-.62" (1.32-1.57)	1,050	105	13" (33.02)	8.5" (21.59)	**02217021**
.58"-.68" (1.47-1.73)	1,050	105	13" (33.02)	9.5" (24.13)	**02217022**
.64"-.75" (1.63-1.90)	1,390	139	13" (33.02)	9.5" (24.13)	**02217023**
.70"-.81" (1.78-2.06)	1,390	139	14" (35.56)	10.5" (26.67)	**02217024**
.75"-.87" (1.90-2.21)	1,390	139	14" (35.56)	10.5" (26.67)	**02217025**
.81"-.94" (2.06-2.39)	1,390	139	14" (35.56)	10.5" (26.67)	**02217026**
.87"-1.00" (2.21-2.54)	1,790	179	14" (35.56)	11.5" (29.21)	**02217027**
.94"-1.06" (2.39-2.69)	1,790	179	15" (38.10)	12.5" (31.75)	**02217028**
1.00"-1.18" (2.54-3.00)	1,790	179	15" (38.10)	13.5" (34.29)	**02217029**
1.06"-1.25" (2.69-3.17)	1,790	179	15" (38.10)	14.5" (36.83)	**02217030**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Bus Drop Support Grips

Single Eye, Universal Eye, Galvanized Steel.

Safety Spring

Maximum Deflection Inches/Lbs (cm/N)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Length* Inches (cm)	Diameter Inches (cm)	Model Lbs. (N)	Catalog Number
2¾" at 40 lbs. (6.98 at 178)	500	50	8.25" (20.95)	.75" (1.90)	40 lb. spring (178)	**20302001**
3⅛" at 80 lbs. (7.94 at 356)	850	85	8.25" (20.95)	1" (2.54)	80 lb. spring (356)	**20302002**

Note: Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.
*No load.

Single Eye, Wide Range

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.24"-.32" (.61-.81)	350	35	3" (7.62)	3.5" (8.89)	**073041276****
.32"-.43" (.81-1.09)	450	45	4" (10.16)	4" (10.16)	**073041277**
.43"-.56" (1.09-1.42)	550	55	6" (15.24)	4.75" (12.06)	**073041278**
.56"-.73" (1.42-1.85)	1,000	100	7" (17.78)	6" (15.24)	**073041279**
.73"-.85" (1.85-2.16)	1,400	140	7" (17.78)	6.75" (17.14)	**073041280**
.85"-1.00" (2.16-2.54)	1,400	140	8" (20.32)	8" (20.32)	**073041281**
1.00"-1.25" (2.54-3.17)	1,500	150	9" (22.86)	9.5" (24.13)	**073041282**

Universal Eye, Wide Range

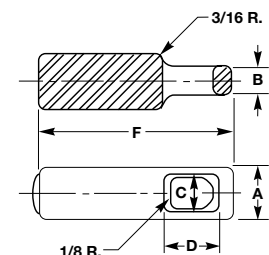| Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.32"-.43" (.81-1.09)	450	45	10" (25.40)	4" (10.16)	**073041284**
.43"-.56" (1.09-1.42)	550	55	12" (30.48)	4.75" (12.06)	**073041285**
.56"-.73" (1.42-1.85)	1,000	100	13" (33.02)	6" (15.24)	**073041286**
.73"-.85" (1.85-2.16)	1,400	140	13" (33.02)	6.75" (17.14)	**073041287**
.85"-1.00" (2.16-2.54)	1,400	140	14" (35.56)	8" (20.32)	**073041288**
1.00"-1.25" (2.54-3.17)	1,500	150	15" (38.10)	9.5" (24.13)	**073041289**

Note: E-Eye length. M-Mesh length at nominal diameter.
**Item indicated is not UL listed.

Bus Drop Grips and Safety Springs

Kellems Bus Drop Grips are offered with either a single eye or universal bale attachment. The mesh is single weave galvanized steel with the patented wide range construction. They are suitable for indoor use only. Consult Technical Service for Stainless Steel Grips.

Application

Bus Drop Grips provide a safe, easy and economical method to support flexible cord or bus drop cable at bus duct and other industrial areas.

Benefits

- Easily installed
- Absorb tension, vibration and pull with no cable damage
- Patented mesh construction

Safety Spring

Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

Dimensions in Inches (mm)

Conduit Riser Grips
Single Weave, Closed Mesh

Kellems® Conduit Riser Support Grips are available in closed mesh and in split mesh with lace or rod closures, to cover all applications including single cable or multiple wire support. Refer to page X-37 for grip selection assistance for cable bundles. The standard material is tin-coated bronze strand. The grip is permanently fastened to a support ring, resulting in a one piece unit which will allow air ventilation within the conduit. The ring will fit standard electrical rigid metal conduit and schedule 40 rigid PVC conduit only. See page X-32 for ring dimensions. For permanent support when cable end is available to be installed through the grip.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-33 and X-34.

IMPORTANT:
Recommended safety factor is ten for catalog listed support grips.

Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.50"- .62" (1.27-1.57)	.63"-.74" (1.60-1.88)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"-1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50" -2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50"- 3.99" (8.89-10.13)
Model	R050	R062	R075	R100	R125	R150	R175	R200	R250	R300	R350
Length In. (cm)	8" (20.32)	9" (22.86)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches — Catalog Number / Approx. Breaking Strength Lbs. (N)											
¾	02211106 530 (2,357)	–	–	–	–	–	–	–	–	–	–
1	02211100 490 (2,179)	02211101 790 (3,514)	–	–	–	–	–	–	–	–	–
1¼	02211001 450 (2,002)	02211002 740 (3,292)	02211003 1,030 (4,581)	–	–	–	–	–	–	–	–
1½	–	02211006 690 (3,069)	02211007 970 (4,315)	02211009 1,610 (7,161)	–	–	–	–	–	–	–
2	–	02211107 640 (2,847)	02211010 920 (4,092)	02211012 1,520 (6,761)	02211013 1,610 (7,161)	–	–	–	–	–	–
2½	–	–	–	–	02211017 1,510 (6,716)	02211018 1,610 (7,161)	02211019 2,150 (9,563)	–	–	–	–
3	–	–	–	02211022 1,340 (5,960)	02211023 1,400 (6,227)	02211024 1,490 (6,627)	02211025 1,990 (8,851)	02211026 3,260 (14,500)	–	–	–
3½	–	–	–	–	–	–	–	02211033 2,970 (13,211)	02211034 3,260 (14,500)	–	–
4	–	–	–	–	–	–	02211040 1,670 (7,248)	02211041 2,680 (11,921)	02211042 2,890 (12,855)	02211043 4,080 (18,148)	–
5	–	–	–	–	–	–	–	–	02211061 2,150 (9,563)	02211062 2,860 (12,721)	02211063 3,130 (13,922)
6	–	–	–	–	–	–	–	–	–	02211072 2,245 (9,986)	02211073 2,245 (9,986)

Note: See page X-37 for multiple cables in a single conduit riser grip.

Dimensions in Inches (mm)

Conduit Riser Grips
Double Weave, Split Mesh, Lace Closing

Kellems® Conduit Riser Support Grips will support cable runs in vertical or sloping standard rigid conduit. The grip is fastened to a support ring which seats on the rim of the conduit. The entire grip is supported by the conduit itself and no other hardware is required. See page X-32 for ring dimensions. The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only. For permanent support when cable end is not available.

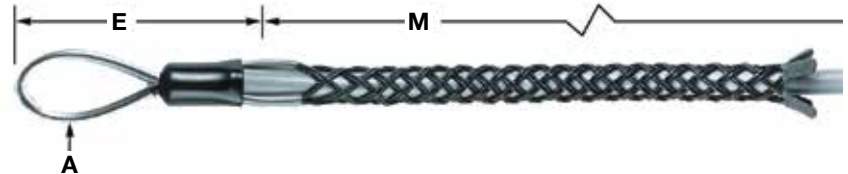**IMPORTANT:**
Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-33 and X-34.

IMPORTANT:
Recommended safety factor is ten for catalog listed support grips.

Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	**RS075**	**RS100**	**RS125**	**RS150**	**RS175**	**RS200**	**RS250**	**RS300**	**RS350**
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	**Catalog Number** Approx. Breaking Strength Lbs. (N)								
1¼	02212003 1,580 (7,028)	—	—	—	—	—	—	—	—
1½	02212007 1,500 (6,672)	—	—	—	—	—	—	—	—
2	02212010 1,430 (6,361)	02212012 1,930 (8,585)	02212013 2,040 (9,074)	—	—	—	—	—	—
2½	—	—	02212017 1,910 (8,496)	02212018 2,040 (9,074)	—	—	—	—	—
3	—	—	02212023 1,780 (7,917)	02212024 1,890 (8,407)	02212025 2,520 (11,209)	02212026 4,300 (19,126)	—	—	—
3½	—	—	—	—	—	02212033 3,910 (17,392)	02212034 4,300 (19,126)	—	—
4	—	—	—	—	02212040 2,110 (9,385)	02212041 3,530 (15,701)	02212042 3,820 (16,991)	02212043 5,380 (23,930)	—
5	—	—	—	—	—	—	02212061 2,860 (12,721)	—	—
6	—	—	—	—	—	—	—	—	02212073 2,955 (13,144)

Note: See page X-37 for multiple cables in a single conduit riser grip.

Dimensions in Inches (mm)

Conduit Riser Grips
Single Weave, Split Mesh, Rod Closing

- Easy and fast to install
- Will not damage electrical cable
- Allows cable to expand or contract
- Ideal way to hold cable in vertical conduit
- Prevents cable creep in conduit
- Helps prevent cable pullouts
- The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only
- For support when cable end is not available

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-33 and X-34.

IMPORTANT:
Recommended safety factor is ten for catalog listed support grips.

Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"-.99" (1.90-2.51)	1.00"-1.24" (2.54-3.15)	1.25"-1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"-1.99" (4.44-5.05)	2.00"-2.49" (5.08-6.32)	2.50"-2.99" (6.35-7.59)	3.00"-3.49" (7.62-8.86)	3.50"-3.99" (8.89-10.13)
Model	RR075	RR100	RR125	RR150	RR175	RR200	RR250	RR300	RR350
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
1¼	02213003 1,020 (4,537)	–	–	–	–	–	–	–	–
1½	02213007 970 (4,315)	02213009 1,610 (7,161)	–	–	–	–	–	–	–
2	–	02213012 1,520 (6,761)	02213013 1,610 (7,161)	–	–	–	–	–	–
2½	–	–	02213017 1,510 (6,716)	02213018 1,610 (7,161)	–	–	–	–	–
3	–	–	02213023 1,400 (6,227)	02213024 1,490 (6,627)	02213025 1,990 (8,851)	02213026 3,260 (14,500)	–	–	–
3½	–	–	–	–	–	02213033 2,970 (13,211)	–	–	–
4	–	–	–	–	–	02213041 2,670 (11,876)	02213042 2,890 (12,855)	–	–

Conduit Sizes Inches / Catalog Number Approx. Breaking Strength Lbs. (N)

Note: See page X-37 for multiple cables in a single conduit riser grip.

Dimensions in Inches (mm)

Conduit Ring Dimensions

Ring dimensions are found in the chart below. The ring material is corrosion resistant. These rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-33 and X-34.

Conduit Size ¾" and 1"

Conduit Size 1¼" to 6"

Conduit Size Inches	Ring Number	O.D. Inches (cm)	I.D. Inches (cm)	S Inches (cm)	T Inches (cm)
¾	C-¾	.94" (2.39)	.62" (1.57)	—	.19" (.48)
1	C-1	1.17" (2.97)	.80" (2.03)	—	.19" (.48)
1¼	C-1¼	1.50" (3.81)	1.03" (2.62)	1.31" (3.33)	.16" (.41)
1½	C-1½	1.76" (4.47)	1.23" (3.12)	1.52" (3.86)	.16" (.41)
2	C-2	2.23" (5.66)	1.55" (3.94)	1.97" (5.00)	.16" (.41)
2½	C-2½	2.67" (6.78)	2.05" (5.21)	2.40" (6.10)	.16" (.41)
3	C-3	3.20" (8.13)	2.55" (6.48)	2.97" (7.54)	.22" (.56)
3½	C-3½	3.80" (9.65)	3.05" (7.75)	3.47" (8.81)	.22" (.56)
4	C-4	4.30" (10.92)	3.55" (9.02)	3.94" (10.01)	.22" (.56)
4½	C-4½	4.80" (12.19)	4.03" (10.24)	4.45" (11.30)	.22" (.56)
5	C-5	5.30" (13.46)	4.46" (11.33)	4.96" (12.60)	.22" (.56)
6	C-6	6.30" (16.00)	5.36" (13.61)	5.96" (15.14)	.25" (.63)

Kellems® Support Grips

Kellems Support Grips are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction. Kellems Support Grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 SST for severe service or unusual environmental conditions, are available on request.

Select the Correct Support Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1 Refer to the Kellems chart below to determine the grip style best suited for your application.

Step 2 Determine your cable outside diameter.

Step 3 Find the grip size that encompasses your cable diameter.

Step 4 Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.

Step 5 Where available, select an eye style that suits your needs.

Step 6 Select the proper material—tinned bronze or stainless steel*.

Step 7 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page X-34 for safety and working load considerations.

WARNING: It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.

Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications.

Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength

The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user.

Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.

Do not modify the grip in any way.

Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10) for support grips.

Pulling hardware should only be attached to the eye of the grip.

A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling applications.

Do not run grips and swivels around sheaves or bull wheels while under tension.

For synthetic rope, use Kellems Dua-Pull Grips only.

Support Grip Selection Chart

Grip Styles	Application
Closed mesh	Standard, permanent support, cable end available.
Split lace closing	Standard, permanent support, cable end unavailable.
Split rod closing	Standard, temporary support, cable end unavailable. Tape or band tail end of wire mesh grip after positioning for permanent support.
Material*	Tin-coated bronze standard or stainless steel by special request.
Standard support grips	Support vertical runs to 99 ft. loads to 600 lbs.
Heavy duty grips	Support vertical runs over 100 ft. loads over 600 lbs.
Service drop	Light duty to support service entrance cable.
Bus drop	Light duty support, indoors only, on Bus drop cable.
Conduit riser	Support cable runs in rigid (Schedule 40) conduit.
Fiber optic cable support grips	Support fiber optic cable.

*Note: *Most catalog listed support grips are made of tin-coated bronze strand. To order stainless steel support grips, change the first three catalog number digits from 022-0X-xxx to 024-0X-xxx. Consult Technical Service for details.*

Eye Styles

| Single | Double | Universal | Offset |

Safety and Working Load Factors for Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known, or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained, and inspected by the user at a frequency appropriate for the use and condition of the grip.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	27,200 (120,986)	5	5,440 (24,197)	**03301027**
Support Grips	1,610 (7,161)	10	161 (716)	**02202019**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable for the application.

The metric unit of measure (force) for breaking strength and load is newtons (N). To convert from newtons to the metric unit of weight (kilograms) the conversion factor is 9.808 newtons/kilogram.

Support Grip Materials

Material	Features	Grip Type
Tin-coated bronze wire	• Corrosion resistant for normal outside areas • Non-magnetic • Moderate strength	• Support grips • Service drop grips • Conduit riser grips
Stainless steel wire (302-304)	• High strength • Corrosion resistant	• Support grips • Hose containment grips
Galvanized steel wire	• Slightly magnetic • Not subject to continuous outside environment	• Bus drop grips
Non-metallic aramid fiber	• Corrosion resistant for highly corrosive gases	• Support grips

Approvals

CSA Certifications are indicated on appropriate product catalog pages.

Note: It is always recommended that the tail end of the grip be banded after the installation on the cable to prevent accidental release of the mesh.
   See page X-16 for end bands.

Split Support Grip Lace Closing Instructions

Single Weave Grips should be laced with single strand lacing; double weave with double strand. Lacing strands should be the same material as the grip. Kellems supplies the appropriate lacing with each grip.

1. Start the lacing at the lead or anchoring end of the grip. Thread the lacings through the first two loops of the split and pull through until the lacings are centered at this point. Lace as you would your shoe, crossing the lacings before lacing the next two loops.

2. Don't pull lacing too tight. Leave a space between adjoining loops approximately equal to the width of one diamond of the mesh.

3. Twist the lacing strands tightly together at the tail end of the grip.

4. Wrap the ends of the lacings once or twice tightly around the tail of the grip, twisting the ends together securely. Excess lace can be cut off.

Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

1. Fast to install
Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops.

2. The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.

3. To remove, simply pull the rod out.

For Support Grips Only*

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.

3. Choose a grip offering a range of cable diameters the same as the cable diameter.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .89" (2.26) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.61)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Support Grip. For Conduit Riser multiple cable selection, see page X-37. It is always recommended that, when multiple cables are installed in a Support Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.*

For Conduit Riser Grips Only*

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.

3. Choose a grip offering a range of cable diameters the same as the cable diameter.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .85" (2.16) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Equal Diameter Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.29-.36 (.74-.91)	.24-.30 (.61-.76)	.21-.25 (.53-.63)	.18-.22 (.46-.56)	.16-.20 (.41-.51)	.15-.18 (.38-.46)	.14-.17 (.36-.43)	.50-.62 (1.27-1.57)
.37-.43 (.94-1.09)	.31-.36 (.79-.91)	.26-.30 (.66-.76)	.23-.27 (.58-.69)	.21-.24 (.53-.61)	.19-.22 (.48-.56)	.18-.20 (.46-.51)	.63-.74 (1.60-1.88)
.44-.58 (1.12-1.47)	.37-.48 (.94-1.22)	.31-.41 (.79-1.04)	.28-.36 (.71-.91)	.25-.32 (.63-.81)	.23-.29 (.58-.74)	.21-.27 (.53-.69)	.75-.99 (1.90-2.51)
.59-.72 (1.50-1.83)	.49-.60 (1.24-1.52)	.42-.51 (1.07-1.30)	.37-.45 (.94-1.14)	.33-.40 (.84-1.02)	.30-.36 (.76-.91)	.28-.34 (.71-.86)	1.00-1.24 (2.54-3.15)
.73-.87 (1.85-2.21)	.61-.72 (1.55-1.83)	.52-.61 (1.32-1.55)	.46-.54 (1.17-1.37)	.41-.48 (1.04-1.22)	.37-.43 (.94-1.09)	.35-.40 (.89-1.02)	1.25-1.49 (3.17-3.78)
.88-1.01 (2.24-2.57)	.73-.85 (1.85-2.16)	.62-.71 (1.57-1.80)	.55-.63 (1.40-1.60)	.49-.56 (1.24-1.42)	.44-.51 (1.12-1.30)	.41-.47 (1.04-1.19)	1.50-1.74 (3.81-4.42)
1.02-1.16 (2.59-2.95)	.86-.96 (2.18-2.44)	.72-.81 (1.83-2.06)	.64-.72 (1.63-1.83)	.57-.64 (1.45-1.63)	.52-.58 (1.32-1.49)	.48-.54 (1.22-1.37)	1.75-1.99 (4.44-5.05)
1.17-1.44 (2.97-3.66)	.97-1.20 (2.46-3.05)	.82-1.02 (2.08-2.59)	.73-.90 (1.85-2.29)	.65-.80 (1.65-2.03)	.59-.72 (1.50-1.83)	.55-.67 (1.40-1.70)	2.00-2.49 (5.08-6.32)
1.45-1.73 (3.68-4.39)	1.21-1.45 (3.07-3.68)	1.03-1.22 (2.62-3.10)	.91-1.08 (2.31-2.74)	.81-.96 (2.06-2.44)	.73-.87 (1.85-2.21)	.68-.81 (1.73-2.06)	2.50-2.99 (6.35-7.59)
1.74-2.02 (4.42-5.13)	1.46-1.69 (3.71-4.29)	1.23-1.43 (3.12-3.63)	1.09-1.26 (2.77-3.20)	.97-1.11 (2.46-2.82)	.83-1.01 (2.11-2.57)	.82-.94 (2.08-2.39)	3.00-3.49 (7.62-8.86)
2.03-2.31 (5.16-5.87)	1.70-1.93 (4.32-4.90)	1.44-1.63 (3.66-4.14)	1.27-1.44 (3.23-3.66)	1.12-1.27 (2.84-3.23)	1.02-1.15 (2.59-2.92)	.95-1.08 (2.41-2.74)	3.50-3.99 (8.89-10.13)

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Conduit Riser Grip. For Support Grip multiple cable selection, see page X-36. It is always recommended that, when multiple cables are installed in a Conduit Riser Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.*

Kellems® Wire Management Products

Features and Benefits

Fiber Optic Pulling Grips

Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place pre-terminated cables. Also available are grips to support fiber optic cable.

Non-Metallic
- OPTISOK® non-metallic fiber optic pulling tool for pre-terminated, inside plant fiber optic cables and bundles of twisted pair

Galvanized Steel
- Pulling grip for loose tube fiber optic cable
- These grips are used for outside plant cable; they are easy to install and remove, reusable and have a slim profile for small build up

Application
- Kellems flexible eye pulling grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures
- They will fit single cables or cable bundles, are easily installed on the cable and are reusable

Comprehensive Offering
- Hubbell offers a full line of fiber optic pulling grips for all application needs
- OPTISOK® Grip is a revolutionary tool to pull pre-terminated fiber optic cables
- They will protect the connectors and guide the bundle through the pulling environment

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.steveneng.com

Kellems® Wire Management Products

OPTISOK® Non-Metallic Fiber Optic Pulling Tool for Pre-Terminated, Inside Plant Fiber Optic Cables and Bundles of Twisted Pair

Kellems offers a unique and simple to use tool for the installation of pre-connectorized fiber optic cables, jumpers and bundles of twisted pair communication cables - the OPTISOK®.

The OPTISOK® is a highly flexible and expandable non-metallic sleeve open on one end and with a pulling ring on the other. It will expand to enclose the larger group of fiber optic connectors and grab the cable below the connector bundle by wrapping and taping to provide a gripping tool that will grab the cable(s) below the connectors. The pulling ring can be attached to a pulling line or fish tape and the OPTISOK® will act as the pulling tool.

OPTISOK® will contain and protect the connector bundle and save time and labor by making the pulling job easier, protecting the connectors from possible damage during the pull and facilitating the passage of the connector bundle through cramped and tight spaces. The OPTISOK® can be used to pull cables through plenums, underfloor duct, office partitions, raised access floors and conduits. Three sizes are available for all applications.

OPTISOK® Non-Metallic Fiber Optic Pulling Tool

Bundle/Size Range Inches (cm)	Maximum Work Load Lbs.	Approx. O/A Length Inches (cm)	Ring O.D. Inches (cm)	Ring Thickness Inches (cm)	Catalog Number
.125"-.562" (.318-1.427)	30	28" (71.12)	.71" (1.803)	.10" (.254)	**CCPS1**
.250"-.750" (.635-1.905)	40	31" (78.74)	.71" (1.803)	.10" (.254)	**CCPS2**
.750"-1.750" (1.905-4.445)	50	33" (83.82)	1.57" (3.988)	.16" (.406)	**CCPS3**

How to Select OPTISOK®

- Identify connector bundle diameter to be inserted into the OPTISOK®.
- Choose appropriate catalog number based on size range.

Installation Information

Step 1 Expand open end of OPTISOK® and gently work in fiber optic connector bundle.

Step 2 Still gently, work connector bundle up to the forward section of the OPTISOK®.

Step 3 Starting at approximately 6" (15.2cm) from tail end of OPTISOK®, tightly fold over the OPTISOK® around cables and tape wrapped section 3" (7.62cm) past tail end onto the bundle.

Step 4 Securely attach pulling line or tape to pulling ring.

Note: To remove OPTISOK® carefully unwrap tape and slide out cables and connectors or cut OPTISOK® away without damaging connectors or cables.

Step 1

Step 2

Step 3

Step 4

Pulling Grip for Loose Tube Fiber Optic Cable, Galvanized Steel

Kellems offers a wire mesh specifically designed to pull loose tube fiber optic cable and meet the special pulling requirements recommended by fiber optic cable manufacturers.

Many fiber optic cable manufacturers require special cable preparation prior to pulling where a short section of the outer jacket is stripped off exposing the aramid strength member. This creates two cable diameters, one including the jacket and a second smaller diameter at the strength member. Kellems fiber grip with its special weave will accommodate and securely grab both diameters, at the outside jacket and the internal aramid strength member.

Additionally, this galvanized steel mesh grip has longer leads at the pulling eye to facilitate pulling the cable up through the top, a very low profile lug and eye to slip through tight areas, and short shoulders to protect the cable while maintaining the slim profile.

The grip can be used to pull cable overhead as well as underground through conduit and duct. It easily mates with a swivel and has the necessary strength to securely make pulls.
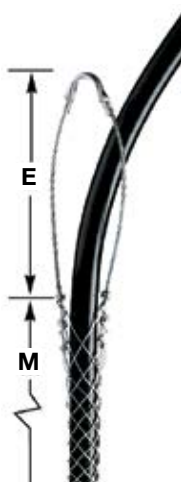
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.
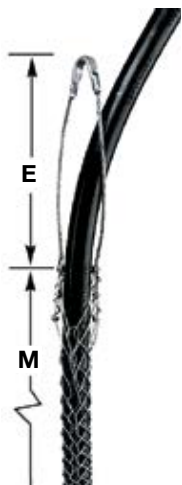
Refer to pages X-44 and X-45.

Application Information

- Prior to pulling cable, follow cable manufacturers' cable preparation recommendations
- Never exceed cable manufacturers' pulling tension recommendations
- Never use grips to approximate breaking strength safety factor of 5 recommended

Pulling Grip For Loose Tube Fiber Optic Cable, Galvanized Steel

Diameter Range Inches (cm)	Maximum Breaking Strength Lbs.	Working Load Lbs.	E Eye Length Inches (cm)	M Mesh Length Inches (cm)	D Lug Diameter Inches (cm)	A Eye Diameter Inches (cm)	Catalog Number
.312"-.625" (.79-1.59)	3,000	600	6.3" (16.00)	22.5" (57.15)	.51" (1.30)	.20" (.51)	**PFOLT312**

Pulling Grips for Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

Benefits

• High strength multiweave mesh for positive holding power

• Highly flexible mesh to follow the pulling path of the cable

• Steel nose cone reduces snags and hang-ups and protects cable end

• Easily installed and removed

• A dependable, reusable pulling tool

Fiber Optic Pulling Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.10"-.22" (.25-.56)	1,000	200	5.5" (14)	9" (23)	0.8" (2)	**033291000**
.21"-.35" (.53-.89)	1,500	300	5.5" (14)	14" (36)	0.8" (2)	**033291001**
.32"-.48" (.81-1.22)	2,200	440	6.0" (15)	18" (46)	0.9" (2.29)	**033291002**
.42"-.61" (1.07-1.55)	2,800	560	6.0" (15)	21" (53)	0.9" (2.29)	**033291003**
.53"-.74" (1.35-1.88)	3,300	660	6.5" (17)	24" (61)	1.3" (3.30)	**033291004**
.64"-.87" (1.63-2.21)	4,700	940	6.5" (17)	27" (69)	1.3" (3.30)	**033291005**

Fiber Optic Pulling Grip, Swivel Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.21"-.35" (.53-.89)	1,500	300	4.0" (10.16)	14" (35.56)	0.9" (2.29)	**033291008**
.32"-.48" (.81-1.22)	2,200	440	4.0" (10.16)	18" (45.72)	0.9" (2.29)	**033291009**
.42"-.61" (1.07-1.55)	2,800	560	4.0" (10.16)	21" (53.34)	0.9" (2.29)	**033291010**
.53"-.74" (1.35-1.88)	3,250	650	4.8" (12.19)	24" (60.96)	1.3" (3.30)	**033291011**
.64"-.87" (1.63-2.21)	4,700	940	4.8" (12.19)	27" (68.58)	1.3" (3.30)	**033291012**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Pulling Grips for Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages X-44 and X-45.

Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

Benefits

• High strength multiweave mesh for positive holding power

• Highly flexible mesh to follow the pulling path of the cable

• Steel nose cone reduces snags and hang-ups and protects cable end

• Easily installed and removed

• A dependable, reusable pulling tool

Fiber Optic Pulling Grip, Flexible Eye, Low Profile, Double/Single Weave Mesh

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.10"-.22 (.25-.56)	900	180	7.5" (19)	10" (25)	**033291193**
.21"-.35" (.53-.89)	1,400	280	7.5" (19)	14" (36)	**033291194**
.32"-.48" (.81-1.22)	2,000	400	8.5" (22)	19" (48)	**033291195**
.42"-.61" (1.07-1.55)	2,500	500	8.5" (22)	21" (53)	**033291196**
.53"-.74" (1.35-1.88)	3,000	600	8.5" (22)	23" (58)	**033291197**
.64"-.87" (1.63-2.21)	4,200	840	8.5" (22)	25" (64)	**033291198**
.75"-1.00" (1.90-2.54)	4,200	840	8.5" (22)	28" (71)	**033291199**

Fiber Optic Slack Pulling Grip, Split Mesh, Rod Closing, Single Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.25"-.37" (.63-.94)	300	60	3" (7.6)	4.7" (12)	**033291015**
.38"-.49" (.97-1.24)	800	160	3" (7.6)	5" (13)	**033291016**
.50"-.61" (1.27-1.55)	800	160	3" (7.6)	7.5" (19)	**033291017**
.62"-.74" (1.57-1.88)	1,200	240	3" (7.6)	8" (20)	**033291018**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Fiber Optic Support Grips

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

Fiber Optic Single Eye Cable Support Grip, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"-.25" (.46-.63)	300	30	3" (7.6)	1.7" (4.3)	**022291000**
.23"-.32" (.58-.81)	300	30	3" (7.6)	2.5" (6.4)	**022291001**
.30"-.39" (.76-.99)	300	30	4" (10)	2.5" (6.4)	**022291002**
.37"-.48" (.94-1.22)	300	30	5" (13)	4" (10)	**022291003**
.46"-.58" (1.17-1.47)	400	40	6" (15)	4" (10)	**022291004**
.56"-.71" (1.42-1.80)	600	60	7" (18)	5.5" (14)	**022291005**
.69"-.88" (1.75-2.24)	800	80	8" (20)	6" (15)	**022291006**

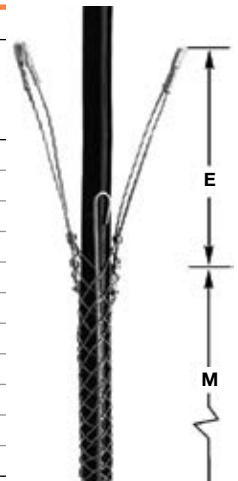### Fiber Optic Single Eye Cable Support Grip, Split Mesh, Rod Closing, Single Weave

For support when cable end not available.

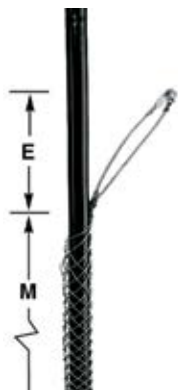| Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"-.25" (.46-.63)	300	30	3" (7.6)	2.5" (6.4)	**022291016**
.23"-.32" (.58-.81)	300	30	3" (7.6)	2.5" (6.4)	**022291017**
.30"-.39" (.76-.99)	300	30	4" (10)	2.5" (6.4)	**022291018**
.37"-.48" (.94-1.22)	300	30	5" (13)	4" (10)	**022291019**
.46"-.58" (1.17-1.47)	400	40	6" (15)	5" (13)	**022291020**
.56"-.71" (1.42-1.80)	600	60	7" (18)	5" (13)	**022291021**
.69"-.88" (1.75-2.24)	800	80	8" (20)	6" (15)	**022291022**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Support Grips for Fiber Optic Cable

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

Fast to Install

Step 1	Wrap the grip around the cable and thread the rod through the preformed loops with a corkscrew motion, using the curved end of the rod to engage the loops.
Step 2	The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.
Step 3	To remove, simply pull the rod out.

Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place pre-terminated cables. Also available are grips to support fiber optic cable.

Select the Correct Fiber Optic Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1	Determine your cable outside diameter.
Step 2	Find the grip size that encompasses your cable diameter.
Step 3	Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.
Step 4	Where available, select an eye style that suits your needs.
Step 5	Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough.

Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

For grip applications on materials other than those that the grips have been specifically designed for, consult the factory.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	2,500 (11,120)	5	500 (2,224)	**033291196**
Support Grips	400 (1,779)	10	40 (178)	**022291004**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable to for the application.

Fiber Optic Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Pulling grips
Tin-coated bronze wire	• Corrosion resistant for normal outside areas • Non-magnetic • Moderate strength	• Support grips
Non-metallic braid	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• OPTISOK®

Approvals

CSA Certification is indicated on appropriate product catalog pages.

Hose Containment Grips

Kellems® Hose Containment Grips are used on high pressure, flexible hose lines to prevent the hose from whipping violently in the event of hose failure at the fitting. These grips will prevent serious injury to personnel and damage to equipment by holding the hose in place in the event of hose failure.

Kellems® patented Hose Containment Grips are made of stainless steel double weave mesh construction for high strength and come complete with hose clamps.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Types of Attachment

The six attachment methods shown below provide unlimited flexibility of attachment to meet any condition.

Type A

Single Eye, used where fastening is made with eyebolts or similar anchor terminations.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.38"-.69" (.97-1.75)	2,900	290	10" (25)	24" (61)	**014021285**
.50"-.94" (1.27-2.39)	3,400	340	10" (25)	24" (61)	**014021230**
1.00"-1.56" (2.54-3.96)	9,400	940	10" (25)	36" (91)	**014021453**
1.25"-1.94" (3.18-4.93)	14,400	1,440	48" (122)	60" (152)	**014021593**
2.75"-3.44" (6.99-8.74)	12,500	1,250	10" (25)	48" (122)	**014021524**

Type E

Double Eye Grip, used where fastening is made with eyebolts or similar anchor terminations.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.50"-.94" (1.27-2.39)	4,250	425	8" (20)	24" (61)	**014021224**
.75"-1.25" (1.91-3.18)	6,000	600	8" (20)	24" (61)	**014021223**
1.00"-1.56" (2.54-3.96)	8,000	800	8" (20)	24" (61)	**014021279**

Type U

Universal Bale Grip, used to fasten around a structure or closed eye.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.31"-.56" (.79-1.42)	2,100	210	12" (30)	24" (61)	**014021304**
.38"-.69" (.97-1.75)	2,600	260	12" (30)	24" (61)	**014021308**
.50"-.94" (1.27-2.39)	3,100	310	12" (30)	24" (61)	**014021138**
.50"-.94" (1.27-2.39)	3,100	310	24" (61)	24" (61)	**014021139**
.75"-1.25" (1.91-3.18)	4,500	450	12" (30)	24" (61)	**014021140**
1.00"-1.56" (2.54-3.96)	6,000	600	12" (30)	24" (61)	**014021142**
1.25"-1.94" (3.18-4.93)	6,000	600	12" (30)	36" (91)	**014021527**

Note: E- Eye length. M-Mesh length at nominal diameter.
    It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems. These grips are custom made. Consult Technical Services for details.

Dimensions in Inches (mm)

Hose Containment Grips

Kellems Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements. Contact the Wiring Device-Kellems factory for specific information. These grips help meet OSHA Federal Register 1926-302 (b), 1926-603 (9), (10), JIC H-1-1973 (H13.11) and JIC P-1-1975 (P11.34) requirements.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Type F

Split fitting to fit AN-818 nuts. Fitting is positioned over nut and located with internal flange. A hose clamp is furnished and required to hold the fitting in correct position.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.38"-.69" (.97-1.75)	2,900	290	1" (2.54)	24" (61)	**014021208**
.50"-.94" (1.27-2.39)	3,400	340	1" (2.54)	24" (61)	**014021156**
.50"-.94" (1.27-2.39)	3,400	340	1" (2.54)	12" (30)	**014021185**
.50"-.94" (1.27-2.39)	3,400	340	1" (2.54)	12" (30)	**014021186**
.50"-.94" (1.27-2.39)	3,400	340	1" (2.54)	24" (61)	**014021216**
.75"-1.25" (1.91-3.18)	6,000	600	1" (2.54)	24" (61)	**014021113**
.75"-1.25" (1.91-3.18)	6,000	600	1" (2.54)	12" (30)	**014021120**
.75"-1.25" (1.91-3.18)	6,000	600	1" (2.54)	24" (61)	**014021301**
1.00"-1.56" (2.54-3.96)	6,000	600	1" (2.54)	24" (61)	**014021157**
1.00"-1.56" (2.54-3.96)	8,000	800	1.12" (2.84)	24" (61)	**014021366**
1.25"-1.94" (3.18-4.93)	8,000	800	1.12" (2.84)	36" (91)	**014021314**

Type T

Tube Grips obtain complete grip coverage when hose is partially covered at either end with attachment grips. Type T-Grips fill in the exposed hose area between the two end grips. A telescoped assembly permits overlap to any degree desired beyond the 3" minimum.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.50"-.94" (1.27-2.39)	3,400	340	—	24" (61)	**014021152**
.75"-1.25" (1.91-3.18)	6,000	600	—	24" (61)	**014021085**
1.44"-2.19" (3.66-5.56)	12,500	1,250	—	48" (122)	**014021075**

Note: E- Eye length. M-Mesh length at nominal diameter.

Type Y

Threaded bolt (5/16 – 18 x 1 1/2" long), used to fasten through drilled holes in a plate.

Note: Available upon request.
It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems.
Kellems® Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements.
Contact Technical services for specific information.

Dimensions in Inches (mm)

Kellems® Wire Management Products

Kellems Strain Relief Grips are designed to prevent tension from being transmitted to joints and terminals on electrical cord, cable and conduit. In most applications, a Kellems grip for strain relief is stronger than the cable itself and gives much greater security than the use of a fitting alone. Kellems Grips for strain relief help make electrical systems safer, and save money by minimizing downtime from costly electrical failure due to cable pull-out. Kellems Grips also aid in compliance with the National Electric Code's terminal tension protection requirements.

Select the Correct Grip for Strain Relief

Kellems Grips for strain relief are designed to fit on electrical cord, cable or flexible conduit.

Step 1	Refer to the chart below to determine the grip style best suited for your application.
Step 2	Determine your cable outside diameter or conduit size.
Step 3	Locate environment—indoors or outdoors.
Step 4	Decide if a liquidtight seal is required.
Step 5	Select NPT size and fitting style.

Strain Relief System Selection Chart

Grip Type		Application	Features	Cord or Conduit Range Inches (cm)	Type Fitting or Attachment	Page Number
Deluxe Cord Aluminum Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are crane and hoist pendant drop stations, hand tools, pumps and processing equipment.	Aluminum fittings, stainless steel mesh, neoprene oil-and-watertight bushing. Double-single weave.	.187"-3.250" (.47-8.25)	NPT, PG, and metric aluminum, male straight, 45° male, 90° male, female straight. Thread sizes ⅜"-3".	X-50, X-51, X-54
Deluxe Cord Nylon Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are marine and food processing equipment.	Nylon fitting, stainless steel mesh, double-single weave, neoprene oil-and-watertight bushing.	.187"-1.125" (.47-2.86)	NPT nylon, male straight, 90° male. Thread sizes ½"-1".	X-52
Deluxe Cord Nylon Fitting/ Non-metallic Grip		Indoor or outdoors. Provides liquidtight seal, where exposed to moisture. Excellent for oil refining and chemical processing.	Non-metallic grip is corrosion resistant, nonconductive and provides superior gripping and flexing benefits. Neoprene liquidtight bushing. Nylon fitting.	.187"-1.000" (.47-2.54)	NPT nylon, straight male, thread sizes ⅜"-1" 90° male, thread sizes ½"-1".	X-53
Deluxe Cord Stainless Steel Fitting And Grip		Indoor or outdoor use where exposed to moisture. Very strong for heavy abuse areas such as drilling platforms, steel mills and mines.	Stainless steel fitting and grip for strength. Neoprene liquidtight bushing. Double/single weave grip.	.187"-1.000" (.47-2.54)	Straight male Only with NPT Thread sizes ½"-1".	X-53
Dust-Tight Strain Relief		Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems.	Neoprene gasket–seals out chips, dirt, dust. One piece design with galvanized steel mesh. Insulating bushing available. Zinc-plated steel locknut.	.240"-2.450" (.61-6.22)	Straight male NPS or NPT	X-55
Liquidtight Flexible Conduit Grip (Metal and Non-Metallic)		Wiring of machine tools, electrical enclosures, motors and systems where metallic liquidtight flexible conduit is subjected to vibration, flexure, motion or strain.	Stainless steel mesh, liquidtight fittings. Sealing "O" rings (optional). Choice of fittings.	.375"-4.000" trade sizes	NPT ½"-4", Hubbell fittings, Male straight, 45° male, 90° male, female straight.	X-58, X-59
Liquidtight Flexible Conduit Grip (UL Type A)		Wiring or machine tools, electrical enclosures, motors and systems where conduit is subject to vibration and strain.	Stainless steel mesh, liquidtight fittings with "O" ring and locknut.	.375"-2.008" trade size male	NPT steel, Hubbell fittings, straight male, 90° Thread sizes ½"-2".	X-60

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Features and Benefits

Deluxe Cord Grip

Deluxe cord grips help to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is available.

Application

Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

• Helps to prevent cable pull-out

• Controls cable arc-of-bend

• Provides a liquidtight seal

• Corrosion resistant stainless steel mesh with aluminum collar

Mesh Grip

• Stainless steel mesh is corrosion resistant; can be used inside or outside

• Eliminates cable or flexible conduit pull out and reduces costly downtime

• Endless weave provides easy cable/ flexible conduit installation

Deluxe Cord Grips

• An NPT and PG threaded body allows easy attachment to either threaded hub or knock-out in box

• A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure

Cable Protection

• Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life

• It is the strongest strain relief device available; meets and exceeds all code requirements; prevents cable/conduit pull-out

Comprehensive Offering

• Hubbell offers a full line of deluxe cord grips with various material finishes

• Deluxe cord grips are used indoors or outdoors to help prevent cord pull-out and where cables are subjected to moisture, splash or submersion

Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages X-61 through X-68.

Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
⅜	.250"-.312"	(.63-.79)		**07401001**
	.312"-.375"	(.79-.95)	F1	**07401002**
	.375"-.437"	(.95-1.11)		**07401003**
½	.187"-.250"	(.47-.63)		**07401004**
	.250"-.375"	(.63-.95)	F2	**07401006**
	.375"-.500"	(.95-1.27)		**07401008**
	.500"-.625"	(1.27-1.59)		**07401010**
½	.625"-.750"	(1.59-1.90)	F3	**074011247***
	.750"-.875"	(1.90-2.22)		**074011248***
¾	.187"-.250"	(.47-.63)		**07401011**
	.250"-.375"	(.63-.95)	F2	**07401013**
	.375"-.500"	(.95-1.27)		**07401015**
	.500"-.625"	(1.27-1.59)		**07401017**
¾	.625"-.750"	(1.59-1.90)	F3	**07401018**
	.750"-.875"	(1.90-2.22)		**074011249***
1	.375"-.500"	(.95-1.27)		**074011195**
	.500"-.625"	(1.27-1.59)		**07401019**
	.625"-.750"	(1.59-1.90)	F4	**07401021**
	.750"-.875"	(1.90-2.22)		**07401023**
	.875"-1.000"	(2.22-2.54)		**07401025**
	1.000"-1.125"	(2.54-2.86)		**074011250***
1	1.125"-1.250"	(2.86-3.17)	F5	**074011028***
	1.250"-1.375"	(3.17-3.49)		**074011029***
1¼	.750"-.875"	(1.90-2.22)		**074011251**
	.875"-1.000"	(2.22-2.54)		**07401026**
	1.000"-1.125"	(2.54-2.86)	F5	**07401027**
	1.125"-1.250"	(2.86-3.17)		**07401028**
	1.250"-1.375"	(3.17-3.49)		**074011178***
1½	.750"-.875"	(1.90-2.22)		**074011252**
	.875"-1.000"	(2.22-2.54)		**07401029**
	1.000"-1.125"	(2.54-2.86)	F5	**07401030**
	1.125"-1.250"	(2.86-3.17)		**07401031**
	1.250"-1.375"	(3.17-3.49)		**07401032**
1½	1.312"-1.437"	(3.33-3.65)		**074011253**
	1.437"-1.562"	(3.65-3.97)		**074011254***
	1.562"-1.687"	(3.97-4.28)	F6	**074011255***
	1.687"- 1.812"	(4.28-4.60)		**074011256***
	1.750"-1.875"	(4.44-4.76)		**074011257***
2	1.250"-1.375"	(3.17-3.49)		**074011258**
	1.312"-1.437"	(3.33-3.65)		**074011259**
	1.437"-1.562"	(3.65-3.97)	F6	**07401033**
	1.562"-1.687"	(3.97-4.28)		**07401034**
	1.687"-1.812"	(4.28-4.60)		**07401035**
	1.750"- 1.875"	(4.44-4.76)		**074011260**
2	1.812"-1.937"	(4.60-4.92)		**074011261**
	1.937"-2.062"	(4.92-5.24)		**074011262***
	2.062"-2.187"	(5.24-5.55)	F7	**074011263***
	2.187"-2.312"	(5.55-5.87)		**074011264***
	2.312"-2.437"	(5.87-6.19)		**074011265***
2½	1.688"-1.812"	(4.29-4.60)		**074011030**
	1.812"-1.937"	(4.60-4.92)		**074011031**
	1.937"-2.062"	(4.92-5.24)	F7	**074011032**
	2.062"-2.187"	(5.24-5.55)		**074011033**
	2.187"-2.312"	(5.55-5.87)		**074011034**
	2.312"-2.437"	(5.87-6.19)		**074011266***
3	1.937"-2.062"	(4.92-5.24)		**074011036**
	2.062"-2.187"	(5.24-5.55)		**074011037**
	2.187"-2.312"	(5.55-5.87)	F7	**074011038**
	2.312"-2.437"	(5.87-6.19)		**074011039**
3	2.437"-2.625"	(6.19-6.67)		**074011186**
	2.625"-2.812"	(6.67-7.14)		**074011187**
	2.812"-3.000"	(7.14-7.62)	F8	**074011188**
	3.000"-3.250"	(7.62-8.25)		**074011189***

Stainless Steel Mesh
Aluminum Collar
Aluminum Compression Nut
Aluminum Body
Neoprene Bushing
Tapered Threads

*Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
Cable jacket may have to be stripped to pass through connector body.

Dimensions in Inches (mm)

Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

Straight Female Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.375"-.500"	(.95-1.27)	F2	**07401043**
	.500"-.625"	(1.27-1.59)		**07401045**
¾	.500"-.625"	(1.27-1.59)	F2	**07401052**
¾	.625"-.750"	(1.59-1.90)	F4	**07401053**

90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
⅜	.250"-.312"	(.63-.79)	F1	**07401071**
	.312"-.375"	(.79-.95)		**07401072**
	.375"-.437"	(.95-1.11)		**07401073**
½	.187"-.250"	(.47-.63)	F2	**07401074**
	.250"-.375"	(.63-.95)		**07401076**
	.375"-.500"	(.95-1.27)		**07401078**
	.500"-.625"	(1.27-1.59)		**07401080***
¾	.375"-.500"	(.95-1.27)	F3	**07401081**
	.500"-.625"	(1.27-1.59)		**07401083**
	.625"-.750"	(1.59-1.90)		**07401084***
	.750"-.875"	(1.90-2.22)		**074011275***
1	.500"-.625"	(1.27-1.59)	F4	**07401085**
	.625"-.750"	(1.59-1.90)		**07401087**
	.750"-.875"	(1.90-2.22)		**07401089**
	.875"-1.000"	(2.22-2.54)		**07401091***
	1.000"-1.125"	(2.54-2.86)		**074011229***
1¼	.750"-.875"	(1.90-2.22)	F5	**074011230**
	.875"-1.000"	(2.22-2.54)		**07401137**
	1.000"-1.125"	(2.54-2.86)		**07401108**
	1.125"-1.250"	(2.86-3.17)		**074011042***
1½	1.000"-1.125"	(2.54-2.86)	F5	**074011045**
	1.125"-1.250"	(2.86-3.17)		**074011046**
	1.250"-1.375"	(3.17-3.49)		**074011047**
2	1.312"-1.437"	(3.33-3.65)	F6	**074011233**
	1.437"-1.562"	(3.65-3.97)		**074011244**
	1.687"-1.812"	(4.28-4.60)		**074011246**
	1.750"-1.875"	(4.44-4.76)		**074011234***

45° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.250"-.375"	(.63-.95)	F2	**074011236**
	.375"-.500"	(.95-1.27)		**074011021**
	.500"-.625"	(1.27-1.59)		**074011237***
¾	.500"-.625"	(1.27-1.59)	F3	**074011049**
	.625"-.750"	(1.59-1.90)		**074011051***
	.750"-.875"	(1.90-2.22)		**074011239***
1	.625"-.750"	(1.59-1.90)	F4	**074011055**
	.750"-.875"	(1.90-2.22)		**074011057**
	.875"-1.000"	(2.22-2.54)		**074011199***
1¼	1.000"-1.125"	(2.54-2.86)	F5	**074011059**
	1.125"-1.250"	(2.86-3.17)		**074011060**

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
*Cable jacket may have to be stripped to pass through connector body.

Dimensions in Inches (mm)

Deluxe Cord Grips

Nylon Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
½	.187"-.250"	(.47-.63)	F2	**074011331**
	.250"-.375"	(.63-.95)		**074011332**
	.375"-.500"	(.95-1.27)		**074011333**
	.500"-.625"	(1.27-1.59)		**074011334***
¾	.375"-.500"	(.95-1.27)	F3	**074011335**
	.500"-.625"	(1.27-1.59)		**074011336**
	.625"-.750"	(1.59-1.90)		**074011337**
	.750"-.875"	(1.90-2.22)		**074011338***
1	.625"-.750"	(1.59-1.90)	F4	**074011341**
	.750"-.875"	(1.90-2.22)		**074011342**
	.875"-1.000"	(2.22-2.54)		**074011343**
	1.000"-1.125"	(2.54-2.86)		**074011344***

90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
½	.250"-.375"	(.63-.95)	F2	**074011346**
	.375"-.500"	(.95-1.27)		**074011347**
	.500"-.625"	(1.27-1.59)		**074011348***
¾	.375"-.500"	(.95-1.27)	F3	**074011349**
	.500"-.625"	(1.27-1.59)		**074011350**
	.625"-.750"	(1.59-1.90)		**074011351***

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
*Cable jacket may have to be stripped to pass through connector body.

Stainless Steel Mesh
Nylon Compression Nut
Stainless Steel Collar
Nylon Body
Neoprene Bushing
Tapered Threads

Dimensions in Inches (mm)

Deluxe Cord Grips

Nylon Fittings, Non-Metallic Mesh, and Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

Nylon Fittings Non-Metallic Mesh, Liquidtight for Insulated Cables
Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
⅜	.187"-.250"	(.47-.63)	F1	CG304NM
	.250"-.312"	(.63-.79)		CG305NM
	.312"-.375"	(.79-.95)		CG306NM
½	.187"-.250"	(.47-.63)	F2	CG404NM
	.250"-.375"	(.63-.95)		CG406NM
	.375"-.500"	(.95-1.27)		CG408NM
¾	.375"-.500"	(.95-1.27)	F3	CG608NM
	.500"-.625"	(1.27-1.59)		CG610NM
	.625"-.750"	(1.59-1.90)		CG612NM
1	.500"-.625"	(1.27-1.59)	F4	CG810NM
	.625"-.750"	(1.59-1.90)		CG812NM
	.750"-.875"	(1.90-2.22)		CG814NM
	.875"-1.000"	(2.22-2.54)		CG816NM

90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.250"-.375"	(.63-.95)	F2	CG40690NM
	.375"-.500"	(.95-1.27)		CG40890NM
¾	.375"-.500"	(.95-1.27)	F3	CG60890NM
	.500"-.625"	(1.27-1.59)		CG61090NM
	.625"-.750"	(1.59-1.90)		CG61290NM*
1	.625"-.750"	(1.59-1.90)	F4	CG81290NM
	.750"-.875"	(1.90-2.22)		CG81490NM

Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables
Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.187"-.250"	(.47-.63)	F2	CG404SST
	.250"-.375"	(.63-.95)		CG406SST
	.375"-.500"	(.95-1.27)		CG408SST
	.500"-.625"	(1.27-1.59)		CG410SST
¾	.375"-.500"	(.95-1.27)	F2	CG608SST
	.500"-.625"	(1.27-1.59)		CG610SST
¾	.625"-.750"	(1.59-1.90)	F3	CG612SST
	.750"-.875"	(1.90-2.22)		CG614SST
1	.500"-.625"	(1.27-1.59)	F4	CG810SST
	.625"-.750"	(1.59-1.90)		CG812SST
	.750"-.875"	(1.90-2.22)		CG814SST
	.875"-1.000"	(2.22-2.54)		CG816SST

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
*Cable jacket may have to be stripped to pass through connector body.

Dimensions in Inches (mm)

PG and Metric Threaded Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

Straight PG* Male Thread

Hub Size	Cord Diameter Range Inches (cm)		Form Size	Catalog Number
PG16	.500"-.625"	(1.27-1.59)	F2	**074PG16010**
PG21	.500"-.625"	(1.27-1.59)	F2	**074PG21010**
PG21	.625"-.750"	(1.59-1.90)	F3	**074PG211247**
	.750"-.875"	(1.90-2.22)		**074PG211248**
PG29	.625"-.750"	(1.59-1.90)	F4	**074PG29021**
	.750"-.875"	(1.90-2.22)		**074PG29023**
	.875"-1.000"	(2.22-2.54)		**074PG29025**
PG29	1.125"-1.250"	(2.86-3.17)	F5	**074PG291028***
PG36	1.125"-1.250"	(2.86-3.17)	F5	**074PG36028***

Note: *Panzergewinde.

Straight Metric Male Thread

Hub Size	Cord Diameter Range Inches (cm)		Form Size	Catalog Number
M20	.500"-.625"	(1.27-1.59)	F2	**074M20010**
M25	.625"-.750"	(1.59-1.90)	F3	**074M251247**
	.750"-.875"	(1.90-2.22)		**074M251248**
M25	.500"-.625"	(1.27-1.59)	F2	**074M25017**
M32	.625"-.750"	(1.59-1.90)	F4	**074M32021**
	.750"-.875"	(1.90-2.22)		**074M32023**
	.875"-1.000"	(2.24-2.54)		**074M32025**
	1.000"-1.125"	(2.54-2.86)		**074M321250**
M32	1.125"-1.250"	(2.86-3.17)	F5	**074M321028**

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
*Cable jacket may have to be stripped to pass through connector body.

Specifications

Material	Temperature Range
Aluminum (Body)	−30°F to +240°F (−34°C to +115°C).
Stainless Steel (Mesh)	−30°F to +240°F (−34°C to +115°C).
Neoprene (Bushings)	−30°F to +240°F (−34°C to +115°C).
Hazardous Locations	Suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 N.E.C. Reference 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
Approvals	
Deluxe Cord Grips	UL Listed in accordance with Standard 514B for indoor/outdoor use. UL Control numbers 898D and 899D.
Wet Locations	Suitable for use in wet locations when used with a listed sealing ring between box and fitting.

Dimensions in Inches (mm)

Dust-Tight Strain Relief Grips

Aluminum Fittings, Galvanized Steel Mesh for Insulated Cables.

Non-Insulated, Wide Range Strain Relief

Thread Size	Cord Diameter Range Inches (cm)		Mesh Length @ Nom. Dia. Inches (cm)	Catalog Number
½ NPT	.24"-.32"	(.61-.81)	3.25" (8.25)	**073031200**
	.32"-.43"	(.81-1.09)	3.75" (9.52)	**073031201**
	.43"-.54"	(1.09-1.37)	4.75" (12.06)	**073031202**
¾ NPT	.54"-.73"	(1.37-1.85)	6.5" (16.51)	**073031203A**
1 NPT	.73"-.97"	(1.85-2.46)	7" (17.78)	**073031204**
1¼ NPT	.97"-1.25"	(2.46-3.17)	9" (22.86)	**073031205**
PG29*	.73"-.97"	(1.85-2.46)	7" (17.78)	**073PG291204**

*Note: *Panzergewinde.*

Insulated, Wide Range Strain Relief with Insulating Bushing

Thread Size	Cord Diameter Range Inches (cm)		Mesh Length @ Nom. Dia. Inches (cm)	Dim. A Inches (cm)	Min. Space Between Grips Inches (cm)	Catalog Number
½ NPS	.24"-.32"	(.61-.81)	3.25" (8.25)	1" (2.54)	1.25" (3.17)	**073031206**
	.32"-.43"	(.81-1.09)	3.75" (9.52)	1" (2.54)	1.25" (3.17)	**073031207**
	.43"-.54"	(1.09-1.37)	4.75" (12.06)	1" (2.54)	1.25" (3.17)	**073031208**
¾ NPS	.54"-.73"	(1.37-1.85)	6.5" (16.51)	1" (2.54)	1.5" (3.81)	**073031209A**
1 NPS	.73"-.97"	(1.85-2.46)	7" (17.78)	1.313" (3.02)	1.75" (4.44)	**073031210**
1¼ NPS	.97"-1.25"	(2.46-3.17)	9" (22.86)	1.313" (3.02)	2.25" (5.71)	**073031211**
1½ NPT	1.25"-1.50"	(3.17-3.81)	11.75" (29.84)	1.313" (3.02)	2.5" (6.35)	**073031212**
2 NPT	1.50"-1.70"	(3.81-4.32)	13.25" (33.65)	1.375" (3.49)	3.25" (8.25)	**073031213**
2½ NPT	1.70"-2.00"	(4.32-5.08)	13.5" (34.29)	1.5" (3.81)	3.625" (9.21)	**073031214**
	2.00"-2.45"	(5.08-6.22)	13.75" (34.92)	1.5" (3.81)	3.625" (9.21)	**073031215**

Dimensions in Inches (mm)

I-Grips for Insulated Cables

Kellems® I-Grips are made of high strength, plastic coated galvanized steel strand. They are offered in six sizes to fit all cable diameters used with Hubbell Insulgrip® Kellems I-Grips will control cable arc-of-bend and reduce high pull tensions from being transmitted to the wiring terminals.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages X-61 through X-68.

Application

Kellems® I-Grips will fit 2, 3, 4 and 5 wire Hubbell Insulgrip® plugs and connector bodies. The eye tabs fit under the nylon cord clamp and the screws slide through the eyelets, securing the grip in place.

I-Grips can be used on any Insulgrip cord set which requires cable, arc-of-bend control or heavy duty strain relief. Cord sets used at in-door construction sites or for plant maintenance jobs are examples.

These grips are for indoor use only.

Benefits

• Easily attached to Insulgrip plugs and connector bodies

• Controls cable arc-of-bend

• Provides heavy-duty strain relief

• Fits all sizes

I-Grips

Cable Diameter Range Inches (cm)		E Inches (cm)	M Inches (cm)	Catalog Number
.32"-.43"	(.81-1.09)	1.25" (3.17)	4" (10.16)	**07310001**
.43"-.56"	(1.09-1.42)	1.25" (3.17)	4.75" (12.06)	**07310002**
.56"-.73"	(1.42-1.85)	1.50" (3.81)	6" (15.24)	**07310003**
.73"-.85"	(1.85-2.16)	1.50" (3.81)	6.5" (16.51)	**07310004**
.85"-1.00"	(2.16-2.54)	1.50" (3.81)	8" (20.32)	**07310005**
1.00"-1.25"	(2.54-3.17)	1.50" (3.81)	10" (25.40)	**07310006**

Note: E-Eye length. M-Mesh length at nominal diameter.
Eyelet hole diameter .203" (.52cm).
I-Grips should not be used on Insulgrip devices when "Seal-Tite®" weatherproof covers are to be installed.

Dimensions in Inches (mm)

Thread Adapters for Multi-Pin Connectors

Kellems® Thread Adapters are devices formatting AN-MS connectors and other multi-pin connectors to Kellems grips with NPT threaded fittings. They are made of aluminum with internal threads and replace the connector cord clamp. These adapters permit the installation of Kellems Grips, to prevent cable or conduit pull-out and control arc-of-bend.

Applications

Thread adapters allow the installation of Kellems® Grips on multi-pin connectors at electrical consoles, mobile equipment, control switches, assembly equipment and testing machines.

Benefits

• Easy installation

• Allows the use of Kellems grips

• Extends connector and cable life

Thread Adapter
091041006

Thread Adapters for Multi-Pin Connectors

AN-MS Connector Size**	AN-MS Cable Clamp Number***	Thread Size A Inch	NPT Thread Size B	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Catalog Number
		Thread Adapters			Deluxe Cord Grips		Strain Relief Grips		Liquidtight Conduit Grips (Insulated Throat)
8S, 10S	3057-3	½" x 28"		091041000	.250"-.312" (.63-.79)	07401001			
10SL, 12, 12S	3057-4	⅝" x 24"	⅜	091041001	.312"-.375" (.79-.95)	07401002	—		—
14, 14S	3057-6	¾" x 20"		091041002	.375"-.437" (.95-1.11)	07401003			
14, 14S	3057-6	¾" x 20"		091041003	.187"-.250" (.47-.63)	07401004	.24"-.32" (.61-.81)	073031200	—
16, 16S	3057-8	⅞" x 20"	½	091041004	.250"-.375" (.63-.95)	07401006	.32"-.43" (.81-1.09)	073031201	074093512
18	3057-10	1" x 20"		091041006	.375"-.500" (.95-1.27)	07401008	.43"-.54" (1.09-1.37)	073031202	—
					.500"-.625" (1.27-1.59)	07401010*			
16, 16S	3057-8	⅞" x 20"		091041005	.187"-.250" (.47-.63)	07401011			
18	3057-10	1" x 20"	¾	091041007	.250"-.375" (.63-.95)	07401013			
20, 22	3057-12	1³⁄₁₆" x 18"		091041008	.375"-.500" (.95-1.27)	07401015	.54"-.74" (1.37-1.85)	073031203	074093513
					.500"-.625" (1.27-1.59)	07401017			
					.625"-.750" (1.59-1.90)	07401018			
20, 22	3057-12	1³⁄₁₆" x 18"		091041009	.375"-.500" (.95-1.27)	074011195			
24, 28	3057-16	1⁷⁄₁₆" x 18"		091041010	.500"-.625" (1.27-1.59)	07401019			
32	3057-20	1¾" x 18"	1	091041012	.625"-.750" (1.59-1.90)	07401021	.73"-.97" (1.85-2.46)	073031204	074093514
36	3057-24	2" x 18"		091041015	.750"-.875" (1.90-2.22)	07401023			
					.875"-1.000" (2.22-2.54)	07401025			
24, 28	3057-16	1⁷⁄₁₆" x 18"		091041011	.750"-.875" (1.90-2.22)	074011251			
32	3057-20	1¾" x 18"	1¼	091041013	.875"-1.000" (2.22-2.54)	07401026	.97"-1.25" (2.46-3.17)	073031205	074093515
36	3057-24	2" x 18"		091041016	1.000"-1.125" (2.54-2.86)	07401027			
					1.125"-1.375" (2.86-3.17)	07401028			
32	3057-20	1¾" x 18"		091041014	.875"-1.000" (2.22-2.54)	07401029			
36	3057-24	2" x 18"	1½	091041017	1.000"-1.125" (2.54-2.86)	07401030	—		074093516
40	3057-28	2¼" x 16"		091041019	1.125"-1.250" (2.86-3.17)	07401031			
					1.250"-1.375" (3.17-3.49)	07401032			

*Note: *Cable jacket may have to be stripped to pass through connector body.*
       **Number stamped on connector shell.*
       ***Number stamped on clamp shell.*

Example

Thread "A"   N.P.T. Thread Size "B"   Cable Or Conduit

Connector   Thread Adapter   Deluxe Cord Grip

Dimensions in Inches (mm)

Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit.

Benefits

• Helps prevent conduit pull-out and damage at the fitting

• Reduces equipment downtime

Straight With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
⅜	½	3"	(7.62)	**074093511**	**074093401**
½	½	3.5"	(8.89)	**074093512**	**074093402**
¾	¾	4"	(10.16)	**074093513**	**074093403**
1	1	5"	(12.70)	**074093514**	**074093404**
1¼	1¼	6"	(15.24)	**074093515**	**074093405**
1½	1½	6.75"	(17.14)	**074093516**	**074093406**
2	2	8"	(20.32)	**074093518**	**074093408**
2½	2½	9.75"	(24.76)	**074093520**	**074093410**
3	3	11"	(27.94)	**074093522**	**074093412**
4	4	14"	(35.56)	**074093526**	—

90° Angle With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
⅜	½	3"	(7.62)	**074093541**	**074093421**
½	½	3.5"	(8.89)	**074093542**	**074093422**
¾	¾	4"	(10.16)	**074093543**	**074093423**
1	1	5"	(12.70)	**074093544**	**074093424**
1¼	1¼	6"	(15.24)	**074093545**	**074093425**
1½	1½	6.75"	(17.14)	**074093546**	**074093426**
2	2	8"	(20.32)	**074093548**	**074093428**
2½	2½	9.75"	(24.76)	**074093550**	—
3	3	11"	(27.94)	**074093552**	—

Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.

Dimensions in Inches (mm)

Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit.

Straight With Chase Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
½	½	3.5"	(8.89)	**07406079**
¾	¾	4"	(10.16)	**07406080**
1	1	5"	(12.70)	**07406081**
1¼	1¼	6"	(15.24)	**07406082**
1½	1½	6.75"	(17.14)	**07406083**

45° Angle With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
⅜	½	3"	(7.62)	**074093561**	074093441
½	½	3.5"	(8.89)	**074093562**	074093442
¾	¾	4"	(10.16)	**074093563**	074093443
1	1	5"	(12.70)	**074093564**	074093444
1¼	1¼	6"	(15.24)	**074093565**	074093445
1½	1½	6.75"	(17.14)	**074093566**	074093446
2	2	8"	(20.32)	**074093568**	074093448

Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.

Dimensions in Inches (mm)

Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for UL Type A Liquidtight Conduit.

Straight Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
⅜	½	3.75"	(9.52)	**H038CNK**
½	½	4.5"	(11.43)	**H050CNK**
¾	¾	6.25"	(15.87)	**H075CNK**
1	1	7.5"	(19.05)	**H100CNK**
1¼	1¼	9"	(22.86)	**H125CNK**
1½	1½	13.5"	(34.29)	**H150CNK**
2	2	14.5"	(36.83)	**H200CNK**

90° Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
⅜	½	3.75"	(9.52)	**H0389CNK**
½	½	4.5"	(11.43)	**H0509CNK**
¾	¾	6.25"	(15.87)	**H0759CNK**
1	1	7.5"	(19.05)	**H1009CNK**
1¼	1¼	9"	(22.86)	**H1259CNK**
1½	1½	13.5"	(34.29)	**H1509CNK**
2	2	14.5"	(36.83)	**H2009CNK**

Dimensions in Inches (mm)

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Wire Mesh Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Strain relief grips • I-Grips
Stainless steel wire (302/304)	• High strength • Corrosion resistant • Slightly magnetic	• Deluxe cord grips • Liquidtight, flexible, metal conduit grips • UL type A conduit grips
Non-metallic strand	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• Non-metallic deluxe cord grips

Operating Temperatures

Material	Temperature Range
Aluminum	−40°F to +300°F (−40°C to +149°C).
Aluminum Deluxe Cord Grips	−30°F to +240°F (−34°C to +115°C).
Non-Metallic Deluxe Cord Grips	−30°F to +225°F (−34°C to +107°C).
Nylon	−40°F to +225°F (−40°C to +107°C).
Nylon Fitting with Stainless Steel Mesh	−40°F to +225°F (−40°C to +107°C).
Stainless Steel	−60°F to +1000°F (−51°C to +537°C).
Stainless Steel Deluxe Cord Grips	−30°F to +240°F (−34°C to +115°C).
Neoprene (Bushings)	−30°F to +240°F (−34°C to +115°C).

Hazardous Locations

	Product Categories
The product categories listed to the right are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2.	Deluxe cord grip, aluminum fitting; Deluxe cord grip, nylon fitting; Deluxe cord grip, non-metallic; Sealtite conduit grips; Dustight strain relief grips.

Flammability

Non-metallic deluxe cord grips will not support combustion. Listed below are the ratings.

Component	Rating
Mesh grip	UL 94HB.
Fitting	UL 94X-2.

Approvals

UL Listing and CSA Certification are indicated on appropriate product catalog pages.

Agency	UL Control Number
Underwriters Laboratories Inc.	898D and 899D.
	UL Listed in accordance with Standard 514B for indoor/outdoor use.

Wet Locations

	Product Categories
The products noted to the right are suitable for use in wet locations when a listed sealing ring is used between box and fitting.	Deluxe cord grip, aluminum fitting; Deluxe sealing ring cord grip; Deluxe cord grip, non-metallic; Sealtite conduit grips; Hubbell non-metallic conduit grips; Cord connectors; Hubbell Juniors; PolyTuff® connectors; Hubbell sealtite conduit connectors.

Form Size Definition

The term "Form Size" refers to the physical mass or overall dimensions of a cord connector. Form 1 is the smallest size, Form 8 is the largest size.

Knockout Holes

NPT Hub Size Inches	Knockout Hole Recommended Min. to Max. Inches (cm)			
¼	.540"	to	.570"	(1.37-1.45)
⅜	.671"	to	.701"	(1.70-1.78)
½	.859"	to	.906"	(2.18-2.30)
¾	1.094"	to	1.141"	(2.78-2.90)
1	1.359"	to	1.406"	(3.45-3.57)
1¼	1.719"	to	1.766"	(4.37-4.49)
1½	1.969"	to	2.016"	(5.00-5.12)
2	2.453"	to	2.500"	(6.23-6.35)
2½	2.953"	to	3.000"	(7.50-7.62)
3	3.578"	to	3.625"	(9.09-9.21)

Product Data

Deluxe Cord Grips, Liquidtight for Insulated Cables

Deluxe Cord Grips helps to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out, and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is offered on page X-53.

Application

Deluxe Cord Grips are used indoors or outdoors to help prevent cord pull-out, and where cables are subjected to moisture, splash or submersion. Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

• Helps to prevent cable pull-out

• Controls cable arc-of-bend

• Provides a liquidtight seal

• Corrosion resistant stainless steel mesh with aluminum collar

Deluxe Cord Grips Fitting Dimensions

Straight Hubbell Connectors

F NPT Inches	Form	Aluminum, Inches (cm)						Nylon, Inches (cm)						Stainless Steel, Inches (cm)						
		A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A A/C*	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
⅜-18	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	1.01" (2.57)	.88" (2.24)	.90" (2.29)	.46" (1.17)	.45" (1.14)	.87" (2.21)	.75" (1.90)
½-14	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	—	—	—	—	—	—	—
½-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.11" (2.82)	1.00" (2.54)	1.32" (3.35)	1.50" (3.81)	.53" (1.35)	.58" (1.47)	1.25" (3.17)	1.12" (2.84)	1.30" (3.30)	1.13" (2.87)	1.10" (2.79)	.54" (1.37)	.63" (1.60)	1.16" (2.95)	1.00" (2.54)
½-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.64" (1.63)	1.40" (3.56)	1.25" (3.17)	—	—	—	—	—	—	—	—	—	—	—	—	—
¾-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.29" (3.28)	1.13" (2.87)	—	—	—	—	—	—	—	—	—	—	—	—	—
¾-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.82" (2.08)	1.40" (3.56)	1.25" (3.17)	1.56" (3.96)	1.60" (4.06)	.55" (1.40)	.77" (1.96)	1.44" (3.66)	1.31" (3.33)	1.59" (4.04)	1.38" (3.51)	1.30" (3.30)	.56" (1.42)	.81" (2.06)	1.44" (3.66)	1.25" (3.17)
1-11½	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1-11½	4	1.75" (4.44)	1.60" (4.06)	.71" (1.80)	1.02" (2.59)	1.81" (4.60)	1.62" (4.11)	1.88" (4.78)	1.75" (4.44)	.70" (1.78)	1.01" (2.57)	1.84" (4.67)	1.63" (4.14)	2.02" (5.13)	1.75" (4.44)	1.40" (3.56)	.70" (1.78)	1.03" (2.62)	1.88" (4.78)	1.63" (4.14)
1-11½	5	2.31" (5.87)	1.70" (4.32)	.66" (1.68)	1.01" (2.57)	2.28" (5.79)	2.00" (5.08)	—	—	—	—	—	—	—	—	—	—	—	—	—
1¼-11½	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.26" (3.20)	2.28" (5.79)	2.12" (5.38)	—	—	—	—	—	—	—	—	—	—	—	—	—
1½-11	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.38" (3.51)	2.28" (5.79)	2.12" (5.38)	—	—	—	—	—	—	—	—	—	—	—	—	—
1½-11½	6	3.00" (7.62)	2.20" (5.59)	.75" (1.90)	1.50" (3.81)	2.97" (7.54)	2.75" (6.98)	—	—	—	—	—	—	—	—	—	—	—	—	—
2-11½	6	3.00" (7.62)	2.20" (5.59)	.80" (2.03)	1.92" (4.88)	3.24" (8.24)	3.00" (7.62)	—	—	—	—	—	—	—	—	—	—	—	—	—
2-11½	7	3.85" (9.78)	2.70" (6.86)	.88" (2.24)	1.94" (4.93)	4.05" (10.29)	3.75" (9.52)	—	—	—	—	—	—	—	—	—	—	—	—	—
2½-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.32" (5.89)	4.34" (11.02)	4.02" (10.21)	—	—	—	—	—	—	—	—	—	—	—	—	—
2½-8	8	4.75" (12.06)	2.70" (6.86)	1.25" (3.17)	2.38" (6.05)	4.86" (12.34)	4.50" (11.43)	—	—	—	—	—	—	—	—	—	—	—	—	—
3-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.54" (6.45)	4.34" (11.02)	4.01" (10.21)	—	—	—	—	—	—	—	—	—	—	—	—	—
3-8	8	4.50" (11.43)	2.70" (6.86)	1.38" (3.51)	3.00" (7.62)	4.86" (12.34)	4.50" (11.43)	—	—	—	—	—	—	—	—	—	—	—	—	—

Note: *A/C— Across Corners; A/F—Across Flats.

Dimensions shown are approximate and are subject to change without notice.

Deluxe Cord Grips Fitting Dimensions

45° Hubbell Connectors

F NPT Inches	Form	Aluminum, Inches (cm)						
		A Ref.	B Ref.	C	D Throat Dia.	E Across Comers	E Across Flats	G Dia.
½-14	2	2.00" (5.08)	1.90" (4.83)	.550" (1.40)	.560" (1.42)	1.270" (3.23)	1.110" (2.79)	1.125" (2.86)
¾-14	3	2.30" (5.84)	2.50" (6.53)	.560" (1.42)	.750" (1.90)	1.480" (3.76)	1.281" (3.25)	1.375" (3.49)
1-11½	4	2.60" (6.60)	2.80" (7.11)	.700" (1.78)	1.000" (2.54)	1.690" (4.29)	1.500" (3.81)	1.750" (4.44)
1¼-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.250" (3.17)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)
1½-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.500" (3.81)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)

90° Hubbell Connectors

F NPT Inches	Form	Aluminum, Inches (cm)							Nylon, Inches (cm)						
		A	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	G Dia.	A	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	G Dia.
⅜-18	1	1.27" (3.23)	2.00" (5.08)	.460" (1.17)	.440" (1.12)	1.15" (2.92)	1.10" (2.79)	.875" (2.22)	—	—	—	—	—	—	—
½-14	2	1.56" (3.96)	2.30" (5.84)	.500" (1.27)	.546" (1.39)	1.30" (3.30)	1.13" (2.87)	1.125" (2.86)	1.41" (3.58)	2.50" (6.35)	.550" (1.40)	.575" (1.46)	1.23" (3.12)	1.12" (2.82)	1.315" (3.34)
¾-14	3	1.79" (4.55)	2.80" (7.11)	.560" (1.42)	.765" (1.94)	1.49" (3.78)	1.31" (3.33)	1.375" (3.49)	1.65" (4.19)	2.81" (7.14)	.560" (1.42)	.765" (1.94)	1.42" (3.61)	1.29" (3.28)	1.560" (3.96)
1-11½	4	2.08" (5.28)	3.20" (8.13)	.700" (1.78)	1.000" (2.54)	1.70" (4.32)	1.50" (3.81)	1.750" (4.44)	1.99" (5.05)	3.30" (8.38)	.700" (1.78)	1.010" (2.57)	1.82" (4.62)	1.60" (4.06)	1.875" (4.76)
1¼-11½	5	3.18" (8.08)	4.30" (10.92)	.730" (1.85)	1.260" (3.20)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)	—	—	—	—	—	—	—
1½-11½	5	3.18" (8.08)	4.30" (10.92)	.750" (1.92)	1.500" (3.81)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)	—	—	—	—	—	—	—
2-11½	6	3.51" (8.92)	5.50" (13.97)	.800" (2.03)	1.920" (4.88)	2.98" (7.57)	2.78" (7.06)	3.000" (7.62)	—	—	—	—	—	—	—

Note: *A/C - Across Corners; A/F - Across Flats.

Dimensions shown are approximate and are subject to change without notice.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Deluxe Cord Grips Fitting Dimensions

Female Hubbell Connectors

| F NPT Inches | Form | Aluminum, Inches (cm) | | | | E | |
		A Dia.	B Ref.	C	D Throat Dia.	Across Corners	Across Flats
⅜-18	1	.88" (2.24)	1.40" (3.56)	.560" (1.42)	.44" (1.12)	.94" (2.39)	.81" (2.06)
½-14	2	1.13" (2.87)	1.80" (4.57)	.560" (1.42)	.63" (1.60)	1.15" (2.92)	1.00" (2.54)
¾-14	2	1.13" (2.87)	2.10" (5.33)	.750" (1.90)	.63" (1.60)	1.44" (3.66)	1.25" (3.17)
1-11½	4	1.75" (4.44)	2.30" (5.84)	.880" (2.24)	1.10" (2.79)	1.88" (4.78)	1.63" (4.14)
1¼-11½	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)
1½-11½	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)

A (Overall)

B Ref.

E

D

F

C (N.P.T. Thread Depth)

Product Data

Dust-Tight Strain Relief Grips for Insulated Cables

Kellems® Strain Relief Grips connect flexible cord or bus drop cable to electrical enclosures. For indoor use only, they are available with either insulated or non-insulated aluminum fittings, and feature single weave, galvanized steel mesh grips with patented wide range mesh construction. They come with a locknut and a neoprene gasket that provides a dust tight seal.

Application

Used to connect electrical cable to power boxes, cabinets, panel boards, power centers, machine tools and with bus drop systems.

Benefits

- Helps prevent cord or cable pull-out
- Provides a dust tight seal
- Easy installation
- Patented mesh construction
- One piece design

Dimensions shown are approximate and are subject to change without notice.

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Strain Relief Grips for Liquidtight Flexible Metal and PolyTuff® I Non-Metallic Conduit

Kellems Liquidtight, Flexible Metal Conduit Grips are offered with high quality Hubbell plated steel fittings in a wide variety of NPT sizes and configurations, either insulated or non-insulated. The addition of a stainless steel mesh to these fittings makes them stronger than the conduit itself. Kellems Conduit Grips helps prevent conduit pull-out from the connecting fitting that is subject to stress, pull tension, vibration, motion or strain. They promote safe electrical systems and reduce equipment downtime.

Application

Kellems Conduit Grips are used in the wiring of machine tools, motors, molding equipment, transformers, weaving and paper machines, fans, lighting, bakeries, breweries, food processing, chemical plants, dairies, mines and any application that requires Liquidtight Conduit.

Benefits

• Helps prevent conduit pull-out and damage at the fitting

• Reduces equipment downtime

• Liquidtight fittings

• Easily installed

• Stainless steel grip resists corrosion

Kellems Conduit Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code.

Connectors with insulated throats protect insulation on wires during wire pulling. Yellow color easily seen by inspectors. 2½" - 4" sizes include insulating bushing instead of fixed insulator

Nylon gland ring is split for ease of installation and greater compression. Reversible design cannot be installed facing the wrong way. Nylon is impervious to liquids, resistant to temperature extremes and resists abrasion

Hardened Steel Locknut has tangs that dig into box for excellent continuity of ground; locknut will not slip or spin

Steel grounding ferrule easily threaded by hand. Fits convolutions to conduit. Eliminates pullouts and insures continuity of ground; distortion free to remain reusable

Hexagonal compression nut is screw machined steel through 1" and malleable iron on larger sizes

Optional Sealing Washer gives better liquidtight protection around knockout of sheet metal box. Neoprene gasket seals out liquids and steel retaining ring protects gasket from distortion; order separately

Body is virtually unbreakable. Straight connectors through 1" are screw machine steel; other sizes malleable iron. Threads at left are tapered to insure liquidtight seal in threaded hub. Liquidtight conduit cutaway view shows flexible steel core under plastic jacket

Wire mesh grip prevents pullout

Liquidtight conduit cutaway view shows flexible steel core under plastic jacket

Liquidtight Conduit Grip Fitting Dimensions, Inches

Straight with Male Fitting

Dimensions, Inches

Trade Size Inches	A Ref.	B Ref.	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Number
⅜	1.43"	.59"	1.20"	1.06"	.61"	1.07"	.93"	**074093401**
½	1.43"	.59"	1.34"	1.19"	.61"	1.22"	1.06"	**074093402**
¾	1.56"	.59"	1.55"	1.37"	.84"	1.43"	1.25"	**074093403**
1	1.68"	.66"	1.95"	1.69"	1.06"	1.73"	1.56"	**074093404**
1¼	2.03"	.63"	2.39"	2.06"	1.37"	2.36"	2.08"	**074093405**
1½	2.21"	.63"	2.72"	2.38"	1.53"	2.79"	2.48"	**074093406**
2	2.28"	.69"	3.08"	2.87"	2.06"	3.32"	2.90"	**074093408**

Straight with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	A Ref.	B Ref.	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Number
⅜	1.50"	.66"	1.20"	1.06"	.57"	1.07"	.93"	**074093511**
½	1.50"	.66"	1.34"	1.19"	.57"	1.22"	1.06"	**074093512**
¾	1.62"	.66"	1.55"	1.38"	.78"	1.43"	1.25"	**074093513**
1	1.75"	.72"	1.95"	1.69"	.98"	1.73"	1.56"	**074093514**
1¼	2.09"	.69"	2.39"	2.06"	1.29"	2.36"	2.08"	**074093515**
1½	2.28"	.69"	2.72"	2.37"	1.53"	2.79"	2.48"	**074093516**
2	2.34"	.75"	3.08"	2.87"	1.95"	3.32"	2.90"	**074093518**
2½	3.56"	1.06"	3.92"	3.62"	2.42"	3.85"	3.60"	**074093520**
3	3.81"	1.06"	4.70"	4.31"	3.01"	4.65"	4.33"	**074093522**
4	3.81"	1.06"	5.75"	5.31"	3.96"	5.75"	5.39"	**074093526**

45° Angle with Male Fitting

Dimensions, Inches

Trade Size Inches	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Number
⅜	1.19"	1.28"	.59"	1.20"	1.06"	.60"	1.16"	1.02"	**074093441**
½	1.19"	1.28"	.59"	1.34"	1.19"	.61"	1.21"	1.06"	**074093442**
¾	1.19"	1.43"	.59"	1.55"	1.45"	.84"	1.50"	1.32"	**074093443**
1	1.38"	1.53"	.66"	1.95"	1.69"	1.05"	1.82"	1.59"	**074093444**
1¼	1.42"	1.69"	.63"	2.39"	2.06"	1.37"	2.32"	2.03"	**074093445**
1½	1.66"	2.00"	.66"	2.72"	2.38"	1.60"	2.62"	2.29"	**074093446**
2	1.69"	2.25"	.66"	3.08"	2.88"	2.05"	3.21"	2.80"	**074093448**

45° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Number
⅜	1.25"	1.28"	.66"	1.20"	1.06"	.57"	1.16"	1.02"	**074093561**
½	1.25"	1.28"	.66"	1.34"	1.19"	.57"	1.21"	1.06"	**074093562**
¾	1.25"	1.44"	.66"	1.55"	1.45"	.78"	1.50"	1.32"	**074093563**
1	1.44"	1.53"	.72"	1.95"	1.69"	.98"	1.82"	1.59"	**074093564**
1¼	1.48"	1.69"	.69"	2.39"	2.06"	1.29"	2.32"	2.03"	**074093565**
1½	1.72"	2.00"	.72"	2.72"	2.38"	1.53"	2.62"	2.29"	**074093566**
2	1.75"	2.25"	.72"	3.08"	2.87"	1.95"	3.21"	2.80"	**074093568**

90° Angle with Male Fitting

Dimensions, Inches

Trade Size Inches	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Number
⅜	1.31"	.59"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	**074093421**
½	1.31"	.59"	1.34"	1.12"	1.44"	.61"	1.21"	1.00"	**074093422**
¾	1.44"	.59"	1.55"	1.45"	1.63"	.83"	1.48"	1.29"	**074093423**
1	1.78"	.66"	1.95"	1.60"	2.19"	1.05"	1.80"	1.57"	**074093424**
1¼	1.97"	.63"	2.39"	2.06"	2.50"	1.37"	2.32"	2.02"	**074093425**
1½	2.19"	.66"	2.72"	2.38"	2.69"	1.61"	2.58"	2.25"	**074093426**
2	2.53"	.66"	3.08"	2.87"	3.25"	2.05"	3.14"	2.75"	**074093428**

90° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Number
⅜	1.38"	.66"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	**074093541**
½	1.38"	.66"	1.34"	1.12"	1.44"	.57"	1.21"	1.00"	**074093542**
¾	1.50"	.66"	1.55"	1.45"	1.63"	.78"	1.48"	1.29"	**074093543**
1	1.84"	.66"	1.95"	1.60"	2.19"	.98"	1.80"	1.57"	**074093544**
1¼	2.03"	.69"	2.39"	2.06"	2.50"	1.29"	2.32"	2.02"	**074093545**
1½	2.25"	.69"	2.72"	2.38"	2.69"	1.53"	2.58"	2.20"	**074093546**
2	2.59"	.72"	3.08"	2.87"	3.25"	1.95"	3.14"	2.75"	**074093548**
2½	3.44"	1.00"	3.92"	3.63"	4.25"	2.42"	3.78"	3.50"	**074093550**
3	3.75"	1.00"	4.70"	4.31"	4.87"	3.01"	4.64"	4.30"	**074093552**

*Note: *A/C - Across Corners; A/F - Across Flats.*

Dimensions shown are approximate and are subject to change without notice.

Strain Relief for UL Type A, Flexible, Liquidtight Conduit

Kellems Grips for UL Type A, non-metallic, flexible, liquidtight conduit are available in straight and 90° male and feature a high quality Hubbell plated steel or malleable iron fitting, complete with a sealing O-ring, lock nut and stainless steel mesh. These grips increase the retention of the conduit in the fitting, control its arc-of-bend and provide a liquidtight seal.

Application

These grips are used on UL Type A non-metallic conduit connections at limit switches, motor boxes, panel boards, control stations and on all types of machinery and machine tools.

Steel Locknut has tangs that dig into box for excellent continuity of ground; locknut will not slip or spin

Neoprene O-ring is factory assembled into the body to seal out liquids

Benefits

• Provides a liquidtight seal
• Helps prevent conduit pull-out
• Reduces conduit cutting, kinking, fraying and splitting at the fitting
• Easily installed

Body is virtually unbreakable. Straight connectors through 1" are screw machine steel; other sizes are malleable iron. Threads are tapered to insure liquidtight seal when used in threaded hub; octagonal shape inside holds the ferrule to prevent conduit from twisting during installation

Wire mesh grip prevents pullout

Insulated throat protects insulation on wires during pulling; yellow color easily seen by inspectors

Yellow nylon ferrule fits inside non-metallic conduit to hold the shape; barb in designed to assure liquidtight seal even with non-square cut; ferrule is keyed to fit into body to prevent conduit twisting

Hexagonal compression nut is machine steel through 1" malleable iron on larger sizes; tapered interior compresses sleeve over conduit sealing out liquids and preventing pullout

Yellow nylon sleeve installs over conduit; six slits in sleeve permit tight compression onto conduit as compression nut is tightened

Dimensional Charts For UL Type A, Liquidtight Conduit Grip Fittings

Straight with Male Fitting with Insulated Throat

Dimensions Inches (cm)

Trade Size NPT Inches	A	B	C	D	Catalog Number
⅜	1.922" (4.88)	.594" (1.51)	1.156" (2.94)	3.75" (9.52)	**H038CNK**
½	1.922" (4.88)	.594" (1.51)	1.250" (3.17)	4.50" (11.43)	**H050CNK**
¾	2.016" (5.12)	.594" (1.51)	1.500" (3.81)	6.25" (15.87)	**H075CNK**
1	2.157" (5.48)	.719" (1.83)	1.844" (4.68)	7.50" (19.05)	**H100CNK**
1¼	2.219" (5.64)	.750" (1.91)	2.312" (5.87)	9.00" (22.86)	**H125CNK**
1½	2.344" (5.95)	.750" (1.91)	2.578" (6.55)	13.50" (34.29)	**H150CNK**
2	2.406" (6.11)	.750" (1.91)	3.187" (8.09)	14.50" (36.83)	**H200CNK**

90° Angle with Male Fitting with Insulated Throat

Dimensions Inches (cm)

Trade Size NPT Inches	E	F	G	H	I	Catalog Number
⅜	1.250" (3.18)	.594" (1.51)	1.156" (2.94)	1.453" (3.69)	3.75" (9.52)	**H0389CNK**
½	1.281" (3.25)	.594" (1.51)	1.250" (3.17)	1.453" (3.69)	4.50" (11.43)	**H0509CNK**
¾	1.438" (3.65)	.594" (1.51)	1.500" (3.81)	1.000" (2.54)	6.25" (15.87)	**H0759CNK**
1	1.750" (4.44)	.719" (1.83)	1.844" (4.68)	2.125" (5.40)	7.50" (19.05)	**H1009CNK**
1¼	1.969" (5.00)	.750" (1.91)	2.312" (5.87)	2.344" (5.95)	9.00" (22.86)	**H1259CNK**
1½	2.250" (5.71)	.750" (1.91)	2.578" (6.55)	2.500" (6.35)	13.50" (34.29)	**H1509CNK**
2	2.531" (6.43)	.750" (1.91)	3.187" (8.09)	2.781" (7.06)	14.50" (36.83)	**H2009CNK**

Features and Benefits

Cord Connectors

Hubbell has the broadest line and the widest choice of materials in the industry. NPT hub sizes from ¼" to 3" in straight male end, 90°, 45°, female and underground feed connectors. They are available in your choice of aluminum, plated steel, nylon and stainless steel.

The zinc-plated steel cord connectors offers the strength of steel and the corrosion resistance of zinc-plating. These heavy-duty connectors hold up to most manufacturing chemicals including acid solutions, solvents and other corrosive materials.

Their machined steel nut and body allows for tightening the compression nut and NPT hub without worrying about stripping the threads. For larger size cord, NPT hub sizes 1" to 2", Hubbell utilizes malleable iron connectors which provide excellent holding and liquidtight performance.

Hubbell's nylon cord connectors resist most common industrial corrosives and provide highly effective pullout protection in a lightweight design. They are ideal for any application where weight, conductivity or corrosion may be an issue. They're available in NPT hub sizes from ¼" to 1".

Stainless steel cord connectors provide superior strength and corrosion resistance for industrial and military applications. They are machined from 300 series stainless steel and come in ¼" to 1", NPT hub sizes.

Liquidtight Seal

- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection
- The connector body is a one-piece design with machined threads; a tapered interior seats the bushing evenly for a liquidtight seal

Connector Identification

- The patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief, also color-coded for sizing identification

Connector Body

- Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector body

Comprehensive Offering

- Hubbell offers a full line of machined aluminum cord connectors in NPT hub sizes ¼" through 1" and cast aluminum 1" to 3"
- They provide durable performance and a clean attractive look without adding unwanted weight; NPT hub sizes ¼" to 1" feature an attractive knurled finish which makes them easy to handle

Straight Male Cord Connectors

Form Size 1-4

IP66*
SUITABILITY

**UL Listed to
Type 4, 4X, 12 and 13**

Straight Male

NPT Hub Size	Cord Dia. Inches (mm)	Form Size	Color Code	Machined Aluminum	Machined Zinc-Plated Steel	Stainless Steel	Nylon Gray	Nylon Black
¼	.06"-.13" (1.6-3.2)	F1	Green	—	—	—	SHC1001CR	—
	.13"-.19" (3.2-4.7)		Orange	SHC1002	—	—	SHC1002CR	—
	.19"-.25" (4.7-6.3)		Red	SHC1003	—	SHC1003SS	SHC1003CR	—
	.25"-.31" (6.3-7.9)		Black	SHC1004	—	SHC1004SS	SHC1004CR	—
	.31"-.38" (7.9-9.5)		White	SHC1005**	—	—	SHC1005CR	SHC2005CR
	.38"-.44" (9.5-11)		Blue	—	—	—	SHC1006CR	—
⅜	.06"-.13" (1.6-3.2)	F1	Green	SHC1007	—	—	—	—
	.13"-.19" (3.2-4.7)		Orange	SHC1008	SHC1008ZP	—	SHC1008CR	SHC2008CR
	.19"-.25" (4.7-6.3)		Red	SHC1009	—	SHC1009SS	SHC1009CR	—
	.25"-.31" (6.3-7.9)		Black	SHC1010	SHC1010ZP	—	SHC1010CR	SHC2010CR
	.31"-.38" (7.9-9.5)		White	SHC1011	—	SHC1011SS	SHC1011CR	SHC2011CR
	.38"-.44" (9.5-11.0)		Blue	SHC1012	SHC1012ZP	SHC1012SS	SHC1012CR	SHC2012CR
½	.19"-.25" (4.7-6.3)	F1	Red	SHC1015	—	—	—	—
	.25"-.31" (6.3-7.9)		Black	SHC1016	—	—	—	—
	.31"-.38" (7.9-9.5)		White	SHC1017	—	—	—	—
	.38"-.44" (9.5-11.0)		Blue	SHC1018	—	—	—	—
½	.06"-.13" (1.6-3.2)	F2	Green	SHC1019	—	—	SHC1019CR	—
	.13"-.19" (3.2-.4.7)		Orange	SHC1020	SHC1020ZP	SHC1020SS	SHC1020CR	—
	.19"-.25" (4.7-6.3)		Red	SHC1021	SHC1021ZP	SHC1021SS	SHC1021CR	SHC2021CR
	.25"-.38" (6.3-.9.7)		White	SHC1022	SHC1022ZP	SHC1022SS	SHC1022CR	SHC2022CR
	.38"-.50" (9.7-12.7)		Blue	SHC1023	SHC1023ZP	SHC1023SS	SHC1023CR	SHC2023CR
	.50"-.63" (12.7-15.9)		Brown	SHC1024	SHC1024ZP	SHC1024SS	SHC1024CR**	SHC2024CR**
½	.38"-.50" (9.7-12.7)	F3	Blue	SHC1025	—	—	—	—
	.50"-.63" (12.7-15.9)		Brown	SHC1026	—	—	—	—
	.63"-.75" (15.9-19.0)		Yellow	SHC1027**	SHC1027ZP**	—	—	—
	.75"-.88" (19.0-22.2)		Orchid	SHC1028**	SHC1028ZP**	—	—	—
¾	.06"-.13"(1.6-3.2)	F2	Green	SHC1029	—	—	—	—
	.13"-.19"(3.2-4.7)		Orange	SHC1030	SHC1030ZP	—	—	—
	.19"-.25"(4.7-6.3)		Red	SHC1031	SHC1031ZP	—	—	—
	.25"-.38"(6.3-9.7)		White	SHC1032	SHC1032ZP	—	—	—
	.38"-.50" (9.7-12.7)		Blue	SHC1033	SHC1033ZP	—	—	—
	.50"-.63" (12.7-15.9)		Brown	SHC1034	SHC1034ZP	—	—	—
¾	.38"-.50" (9.5-12.7)	F3	Blue	—	SHC1035ZP	SHC1035SS	SHC1035CR	SHC2035CR
	.50"-.63" (12.7-15.9)		Brown	SHC1036	—	SHC1036SS	SHC1036CR	SHC2036CR
	.63"-.75" (15.9-19.0)		Yellow	SHC1037	SHC1037ZP	SHC1037SS	SHC1037CR	SHC2037CR
	.75"-.88" (19.0-22.2)		Orchid	SHC1038**	SHC1038ZP**	SHC1038SS**	SHC1038CR**	SHC2038CR**
1	.50"-.63" (12.7-15.9)	F3	Brown	—	SHC1097ZP	—	—	—
	.63"-.75" (15.9-19.0)		Yellow	—	SHC1098ZP	—	—	—
	.75"-.88" (19.0-22.2)		Orchid	—	SHC1099ZP	—	—	—
1	.38"-.50" (9.7-12.7)	F4	Blue	SHC1039	—	—	SHC1039CR	—
	.50"-.63" (12.7-15.9)		Brown	SHC1040	—	—	SHC1040CR	SHC2040CR
	.63"-.75" (15.9-19.0)		Yellow	SHC1041	—	SHC1041SS	SHC1041CR	SHC2041CR
	.75"-.88" (19.0-22.2)		Orchid	SHC1042	—	SHC1042SS	SHC1042CR	SHC2042CR
	.88"-1.00"(22.2-25.4)		Gray	SHC1043	SHC1043ZP	SHC1043SS	SHC1043CR	SHC2043CR
	1.00"-1.13" (25.4-28.6)		Pink	SHC1044**	—	SHC1044SS**	SHC1044CR**	SHC2044CR**

Note: See pages X-78 to X-88 for technical information and dimensional drawings.
*IP66 Suitability when used with optional metal clad O-ring, see page X-75 for additional information.
**Cable jacket may have to be stripped to pass through connector body.
Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.
Locknuts sold separately. See page X-75 for additional information.

Straight Male Cord Connectors

Form Size 5-8

IP66*
SUITABILITY

Straight Male

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Cast Aluminum	Malleable Iron
1	.88"-1.00" 1.00"-1.13" 1.13"-1.25" 1.25"-1.38"	(22.2-25.4) (25.4-28.6) (28.6-31.7) (31.7-34.9)	F5	SHC1046 SHC1047** SHC1048** SHC1049**	— — — —
1¼	.75"-.88" .88"-1.00" 1.00"-1.13" 1.13"-1.25" 1.25"-1.38"	(19.0-22.2) (22.2-25.4) (25.4-28.6) (28.6-31.7) (31.7-34.9)	F5	SHC1050 SHC1051 SHC1052 SHC1053 SHC1054**	— — SHC1052ZP SHC1053ZP SHC1054ZP
1½	.75"-.88" .88"-1.00" 1.00"-1.13" 1.13"-1.25" 1.25"-1.38"	(19.0-22.2) (22.2-25.4) (25.4-28.6) (28.6-31.7) (31.7-34.9)	F5	SHC1055 SHC1056 SHC1057 SHC1058 SHC1059	— — SHC1057ZP SHC1058ZP SHC1059ZP
1½	1.38"-1.50" 1.50"-1.63" 1.63"-1.75" 1.75"-1.88"	(34.9-38.1) (38.1-41.3) (41.3-44.4) (44.4-47.6)	F6	SHC1061 SHC1062** SHC1063** SHC1064**	— — — —
2	1.25"-1.38" 1.38"-1.50" 1.50"-1.63" 1.63"-1.75" 1.75"-1.88"	(31.7-34.9) (34.9-38.1) (38.1-41.3) (41.3-44.4) (44.4-47.6)	F6	SHC1065 SHC1066 SHC1067 SHC1068 SHC1069	— — — — —
2	1.69"-1.81" 1.81"-1.94" 1.94"-2.06" 2.06"-2.19" 2.19"-2.31"	(42.9-46.0) (46.0-49.2) (49.2-52.4) (52.4-55.6) (55.6-58.7)	F7	SHC1070 SHC1071 SHC1072** SHC1073** SHC1074**	— — — — —
2½	1.69"-1.81" 1.81"-1.94" 1.94"-2.06" 2.06"-2.19" 2.19"-2.31" 2.31"-2.44"	(42.9-46.0) (46.0-49.2) (49.2-52.4) (52.4-55.6) (55.6-58.7) (58.7-61.9)	F7	SHC1076 SHC1077 SHC1078 SHC1079 SHC1080 SHC1081**	— — — — — —
3	1.69"-1.81" 1.94"-2.06" 2.06"-2.19" 2.19"-2.31" 2.31"-2.44"	(42.9-46.0) (49.2-52.4) (52.4-55.6) (55.6-58.7) (58.7-61.9)	F7	SHC1086 SHC1088 SHC1089 SHC1090 SHC1091	— — — — —
3	2.44"-2.63" 2.63"-2.81" 2.81"-3.00" 3.00"-3.25"	(61.9-66.7) (66.7-71.4) (71.4-76.2) (76.2-82.5)	F8	SHC1092 SHC1093 SHC1094 SHC1095**	— — — —

Note: See pages X-78 to X-88 for technical information and dimensional drawings.
  *IP66 Suitability when used with optional metal clad O-ring, see page X-75 for additional information.
  **Cable jacket may have to be stripped to pass through connector body.
  Locknuts sold separately. See page X-75 for additional information.

45° and 90° Male Cord Connectors

Form Size 1-6

IP66*
SUITABILITY

90° Male

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated Steel△	Cast Aluminum	Nylon Gray	Nylon Black
⅜	.25"-.31"	(6.3-7.9)	F1	Black	NHC1010	–	–	–	–
	.31"-.38"	(7.9-9.5)		White	NHC1011	–	–	–	–
	.38"-.44"	(9.5-11.0)		Blue	NHC1012	–	–	–	–
½	.06"-.13"	(1.6-3.2)	F2	Green	–	–	–	–	–
	.13"-.19"	(3.2-4.7)		Orange	NHC1020	–	–	NHC1020CR	–
	.19"-.25"	(4.7-6.3)		Red	NHC1021	NHC1021ZP	–	NHC1021CR	–
	.25"-.38"	(6.3-9.7)		White	NHC1022	NHC1022ZP	–	NHC1022CR	NHC2022CR
	.38"-.50"	(9.7-12.7)		Blue	NHC1023	NHC1023ZP	–	NHC1023CR	NHC2023CR
	.50"-.63"	(12.7-15.9)		Brown	NHC1024**	NHC1024ZP**	–	NHC1024CR**	NHC2024CR**
¾	.38"-.50"	(9.7-12.7)	F3	Blue	NHC1035	NHC1035ZP	–	NHC1035CR	–
	.50"-.63"	(12.7-15.9)		Brown	NHC1036	NHC1036ZP	–	NHC1036CR	–
	.63"-.75"	(15.9-19.0)		Yellow	NHC1037	NHC1037ZP	–	NHC1037CR	–
	.75"-.88"	(19.0-22.2)		Orchid	NHC1038	NHC1038ZP	–	NHC1038CR	–
1	.50"-.63"	(12.7-15.9)	F4	Brown	NHC1040	–	–	–	–
	.63"-.75"	(15.9-19.0)		Yellow	NHC1041	NHC1041ZP	–	NHC1041CR	NHC2041CR
	.75"-.88"	(19.0-22.2)		Orchid	NHC1042	–	–	NHC1042CR	NHC2042CR**
	.88"-1.00"	(22.2-25.4)		Gray	NHC1043**	–	–	NHC1043CR	–
	1.00"-1.13"	(25.4-28.7)		Pink	NHC1044**	–	–	–	–
1¼	.88"-1.00"	(22.2-25.4)	F5	—	–	–	NHC1051	–	–
	1.00"-1.13"	(25.4-28.6)		—	–	–	NHC1052	–	–
	1.13"-1.25"	(28.6-31.7)		—	–	–	NHC1053**	–	–
	1.25"-1.38"	(31.7-34.9)		—	–	–	NHC1054**	–	–
1½	1.00"-1.13"	(25.4-28.6)	F5	—	–	–	NHC1057	–	–
	1.13"-1.25"	(28.6-31.7)		—	–	–	–	–	–
	1.25"-1.38"	(31.7-34.9)		—	–	–	NHC1059	–	–
2	1.38"-1.50"	(34.9-38.1)	F6	—	–	–	NHC1066	–	–

45° Male

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated Steel△	Cast Aluminum
½	.19"-.25"	(4.7-6.3)	F2	Red	VHC1021	–	–
	.25"-.38"	(6.3-9.7)		White	VHC1022	VHC1022ZP	–
	.38"-.50"	(9.7-12.7)		Blue	VHC1023	VHC1023ZP	–
	.50"-.63"	(12.7-15.9)		Brown	VHC1024**	VHC1024ZP**	–
¾	.38"-.50"	(9.7-12.7)	F3	Blue	VHC1035	–	–
	.50"-.63"	(12.7-15.9)		Brown	VHC1036	–	–
	.63"-.75"	(15.9-19.0)		Yellow	VHC1037**	–	–
1	.63"-.75"	(15.9-19.0)	F4	Yellow	VHC1041	–	–
	.75"-.88"	(19.0-22.2)		Orchid	VHC1042	–	–
1¼	1.00"-1.13"	(25.4-28.6)	F5		–	–	VHC1052
	1.13"-1.25"	(28.6-31.7)			–	–	VHC1053**

Note: See pages X-78 to X-88 for technical information and dimensional drawings.
*IP66 Suitability when used with optional metal clad O-ring, see page X-75 for additional information.
**Cable jacket may have to be stripped to pass through connector body.
†Nuts are machined aluminum and bodies are cast aluminum.
△Compression nuts are machined zinc-plated steel and bodies are zinc-plated malleable iron.
Locknuts sold separately. See page X-75 for additional information.

Straight Female, Underground Feeder and Metric Connectors

Form Size 1-4

Straight Female

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Machined Aluminum
½	.25"-.38"	(6.3-9.7)	F2	White	**FHC1022**
	.38"-.50"	(9.7-12.7)		Blue	**FHC1023**
¾	.38"-.50"	(9.7-12.7)	F2	Blue	**FHC1033**
	.50"-.63"	(12.7-15.9)		Brown	**FHC1034**
1	.75"-.88"	(19.0-22.2)	F4	Orchid	**FHC1042†**
	.88"-1.00"	(22.2-25.4)		Gray	**FHC1043†**

Note: See pages X-78 to X-88 for technical information and dimensional drawings.
*Cable jacket may have to be stripped to pass through connector body.
†Nuts are machined aluminum and bodies are cast aluminum.

IP66* SUITABILITY

Underground Feeder Connectors

NPT Hub Size	Cord Diameter Inches (mm)		Wire Size	UF** Machined Aluminum	Machined Zinc-Plated Steel	Nylon Gray	Nylon Black
½	.2"x.4" min	(5.1 x 10.2)	2 # 14, 2 # 12, 2 # 10.	**UFC0001**	**UFC0001ZP**	**UFC0001CR**	**UFC2001CR**
	.25"-.55" max	(6.3 x 14.0)					
¾	.2"x.4" min	(5.1x10.2)	2 # 14, 2 # 12, 2 # 10.	**UFC0002**	–	–	–
	.25"-.55" max	(6.3x14.0)					
¾	.2"x.6" min	(5.1x15.2)	3 # 14, 3 # 12, 3 # 10.	**UFC0003**	–	**UFC0003CR**	**UFC2003CR**
	.26"x.78" max	(6.6x19.8)					

Note: See pages X-78 to X-88 for technical information and dimensional drawings.
*IP66 Suitability when used with optional metal clad O-ring, see page X-75 for additional information.
**Wire sizes vary among manufacturers.
Locknuts sold separately, see page X-75 for additional information.

UL Listed to Type 4, 4X, 12 and 13†

Metric Aluminum Cord Connectors

Metric Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Catalog Number
M16	.31"-.38"	(7.9-9.7)	F1	White	**SHCM161011**
M20	.31"-.38"	(7.9-9.7)	F1	White	**SHCM201017**
M20	.25"-.38"	(6.3-9.7)	F2	White	**SHCM201022**
	.38"-.50"	(9.7-12.7)		Blue	**SHCM201023**
	.50"-.62"	(12.7-15.8)		Brown	**SHCM201024**
M25	.38"-.50"	(9.7-12.7)	F2	Blue	**SHCM251033**
	.50"-.62"	(12.7-15.8)		Brown	**SHCM251034**
M30	.63"-75"	(15.9-19.0)	F3	Yellow	**SHCM301037**

Note: †When used with metal clad O-ring, see page X-75 for additional information.
Non-metallic Locknuts sold separately, see page X-75 for additional information.

Low Profile NPT, PG and Metric Thread Connectors

Non-Metallic Cord Connectors.

IP66*
SUITABILITY

Low Profile NPT Cord Connectors

NPT Hub Size	Cord Diameter Inches (mm)		Black	Gray	Non-metallic Locknuts
⅜	.18"-.31"	(4.6-7.9)	SEC38BA*	SEC38GA*	31622002LPK50
½	.17"-.45"	(4.3-11.4)	SEC50BA	SEC50GA	31622003LPK50
¾	.25"-.48"	(6.35-12.19)	—	SEC75RGA	31622007LPK50
¾	.45"-.71"	(11.4-18.0)	SEC75BA	SEC75GA	31622007LPK50
1	.59"-1.00"	(15-25.4)	SEC100BA	SEC100GA	31622008LPK50

Note: See pages X-78 to X-88 for technical information and dimensional drawings.
Catalog numbers with "PK50" suffix are bulk packed 50 pieces.

Low Profile PG△ Cord Connectors

Hub Size	Cord Diameter Inches (mm)		Black	Gray	Non-metallic Locknuts
PG7	.11"-.25"	(2.9-6.4)	SECP7BA*	SECP7GA*	LNP7BPK100
PG9	.18"-.31"	(4.6-7.9)	SECP9BA*	SECP9GA*	LNP9BPK100
PG11	.23"-.40"	(5.8-10.0)	SECP11BA*	SECP11GA*	LNP11BPK100
PG13.5	.17"-.47"	(4.3-11.9)	SECP13BA	SECP13GA	LNP13BPK100
PG16	.23"-.53"	(5.8-13.5)	SECP16BA	SECP16GA	LNP16BPK100
PG21	.45"-.71"	(11.4-17.9)	SECP21BA	SECP21GA	LNP21BPK100
PG29	.59"-.99"	(15-25.2)	SECP29BA	SECP29GA	LNP29BPK25
PG36	.88"-1.30"	(22.2-32.0)	SECP36BA	SECP36GA	LNP36BPK25

Low Profile Metric Cord Connectors

Hub Size	Cord Diameter Inches (mm)		Black	Gray	Non-metallic Locknuts
M12	.12"-.25"	(2.9-6.4)	SECM12B	SECM12G	LNM12BPK100
M16	.11"-.31"	(2.7-7.9)	SECM16B	SECM16G	LNM16BPK100
M20	.17"-.45"	(4.3-11.4)	SECM20B*	SECM20G*	LNM20BPK100
M25	.49"-.71"	(12.3-18.0)	SECM25B*	SECM25G*	LNM25BPK100
M32	.59"-1.00"	(15.0-25.4)	SECM32B*	SECM32G*	LNM32BPK100
M40	.87"-1.30"	(22.0-32.0)	SECM40B	SECM40G	LNM40BPK100

Note: See pages X-78 to X-88 for technical information and dimensional drawings.
Catalog numbers above with "PK100" suffix, i.e. LNP7BPK100, are bulk packed 100 per carton.
Catalog numbers above with "PK25" suffix, i.e. LNP29BPK25, are bulk packed 25 per carton.
*Items indicated are UL recognized components.
△Panzergewinde.

Accessories

Multi-Hole Cord Grip Connectors

NPT Hub Size	Cord Diameter Inches (mm)	Color	Holes	Catalog Number
½	.205" (5.2mm)	Black	2	**SEC50B252**
¾	.205" (5.2mm)	Black	3	**SEC75B352**
¾	.205" (5.2mm)	Black	4	**SEC75B452**
½	.220" (5.6mm)	Black	3	**SEC50B356**
1	.215" (5.5mm)	Black	9*	**SEC100BSMH9**
1¼	.215" (5.5mm)	Black	13*	**SEC125BSMH13**

*Note: *Skinned bushings, field configurable.*

Cord Connector Parts

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Bushing Catalog Number	Color Code	GOTCHA® Ring Catalog Number
¼, ⅜, ½	.062"-.125"	(1.58-3.17)	F1	**31518101BPK100**	Green	**31648035GPK100**
	.125"-.187"	(3.17-4.76)		**31518102BPK100**	Orange	**31648036GPK100**
	.187"-.250"	(4.76-6.35)		**31518103BPK100**	Red	**31648037GPK100**
	.250"-.312"	(6.35-7.93)		**31518104BPK100**	Black	**31648038GPK100**
	.312"-.375"	(7.93-9.50)		**31518105BPK100**	White	**31605010GPK100**
	.375"-.437"	(9.50-11.1)		**31518106BPK100**	Blue	**31648039GPK100**
½, ¾	.187"-.250"	(4.76-6.35)	F2	**31518110BPK100**	Red	**31648042GPK100**
	.250"-.375"	(6.35-9.50)		**31518111BPK100**	White	**31605015GPK100**
	.375"-.500"	(9.50-12.7)		**31518112BPK100**	Blue	**31648043GPK100**
	.500"-.625"	(12.7-15.8)		**31518113BPK100**	Brown	**31648044GPK100**
½, ¾	.375"-.500"	(9.50-12.7)	F3	**31518116BPK100**	Blue	**31648045GPK100**
	.500"-.625"	(12.7-15.8)		**31518117BPK100**	Brown	**31648046GPK100**
	.625"-.750"	(15.8-19.0)		**31518118BPK100**	Yellow	**31648047GPK100**
	.750"-.875"	(19.0-22.2)		**31518119BPK100**	Orchid	**31648048GPK100**
1	.500"-.625"	(12.7-15.8)	F4	**31518123BPK100**	Brown	**31648050GPK100**
	.625"-.750"	(15.8-19.0)		**31518124BPK100**	Yellow	**31648051GPK100**
	.750"-.875"	(19.0-22.2)		**31518125BPK100**	Orchid	**31648052GPK100**
	.875"-1.00"	(22.2-25.4)		**31518126BPK100**	Gray	**31648053GPK100**
	1.00"-1.125"	(25.4-28.5)		**31518127BPK100**	Pink	**31648054GPK100**

Note: Catalog numbers above with "PK100" suffix, i.e. 31518101BPK100, are bulk packed 100 per carton

Locknuts and Metal Clad Sealing O-Rings

NPT Hub Size	Zinc-Plated Steel Locknuts	Non-Metallic Locknuts	Metal Clad Sealing O-Rings*
¼	—	**31622001LPK50**	—
⅜	—	**31622002LPK50**	—
½	**00322001LPK50**	**31622003LPK50**	**20509001**
¾	**00322002LPK50**	**31622007LPK50**	**20509002**
1	**00322003LPK50**	**31622008LPK50**	**20509003**
1¼	**00322004LPK50**	—	**20509004**
1½	**00322005LPK50**	—	**20509005**
2	—	—	**20509006**
2½	—	—	**20509007**
3	—	—	**20509008**

Note: Catalog numbers above with "PK50" suffix, i.e. 00322001LPK50, are bulk packed 50 per carton.
See page X-87 for technical information and dimensional drawings.
*UL listed and CSA certified.

Features and Benefits

Hubbell Juniors® Miniature Nylon Cord Connectors

Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors. They feature the same GOTCHA® ring technology and neoprene bushings.

They also come with or without a nylon spiral for arc-ofbend control and longer cord life. They are available in ¼", ⅜", and ½" NPT sizes in both gray and black.

Liquidtight Seal

- Lubricated neoprene bushing compresses evenly for a liquidtight seal and added pull-out protection
- Nylon connector body is a one-piece design with a tapered interior that seals the bushing evenly for a positive seal

Connector Body

- Nylon spiral provides arc-of-bend control for cord protection
- Threaded hexagon shaped nylon locknut secures tightly and is also corrosion resistant

Connector Protection

- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Nylon compression nut has a tapered interior dome to easily drive the bushing into the connector body

Comprehensive Offering

- Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors and feature the same GOTCHA® ring technology and neoprene bushings

Hubbell Juniors® Miniature Nylon Cord Connectors

Miniature Nylon Cord Connector

NPT Hub Size	Cord Diameter Range Inches	(mm)	Black	Gray
¼	.08"-.14"	(1.9-3.4)	HJ1001BPK25	HJ1001GPK25
	.14"-.20"	(3.4-5.1)	HJ1002BPK25	HJ1002GPK25
	.20"-.27"	(5.1-6.7)	HJ1003BPK25	HJ1003GPK25
⅜	.15"-.21"	(3.7-5.3)	HJ1004BPK25	HJ1004GPK25
	.21"-.28"	(5.3-7.0)	HJ1005BPK25	HJ1005GPK25
	.28"-.34"	(7.0-8.6)	HJ1006BPK25	HJ1006GPK25
½	.06"-.13"	(1.6-3.2)	HJ1055BPK25	HJ1055GPK25
	.13"-.19"	(3.2-4.7)	HJ1056BPK25	HJ1056GPK25
	.19"-.25"	(4.7-6.3)	HJ1057BPK25	HJ1057GPK25
	.25"-.31"	(6.3-7.9)	HJ1058BPK25	HJ1058GPK25
	.31"-.38"	(7.9-9.5)	HJ1059BPK25	HJ1059GPK25
	.38"-.44"	(9.5-11.1)	HJ1060BPK25	HJ1060GPK25

Black Cord Connector

Gray Cord Connector

Miniature Nylon Cord Connector with Spiral

NPT Hub Size	Cord Diameter Range Inches	(mm)	Black	Gray
¼	.08"-.14"	(1.9-3.4)	HJ1010BPK25	HJ1010GPK25
	.14"-.20"	(3.4-5.1)	HJ1011BPK25	HJ1011GPK25
	.20"-.27"	(5.1-6.7)	HJ1012BPK25	HJ1012GPK25
⅜	.15"-.21"	(3.7-5.3)	HJ1013BPK25	HJ1013GPK25
	.21"-.28"	(5.3-7.0)	HJ1014BPK25	HJ1014GPK25
	.28"-.34"	(7.0-8.6)	HJ1015BPK25	HJ1015GPK25
½	.13"-.19"	(3.2-4.7)	HJ1038BPK25	HJ1038GPK25
	.19"-.25"	(4.7-6.3)	HJ1039BPK25	HJ1039GPK25
	.25"-.31"	(6.3-7.9)	HJ1040BPK25	HJ1040GPK25
	.31"-.38"	(7.9-9.5)	HJ1041BPK25	HJ1041GPK25
	.38"-.44"	(9.5-11.1)	HJ1042BPK25	HJ1042GPK25
¾	.25"-.49"	(6.4-12.3)	HJ1043BPK25*	HJ1043GPK25*
	.45"-.71"	(11.4-18.0)	HJ1044BPK25*	HJ1044GPK25*

*Note: *Locknuts sold separately, see page X-75 for additional information.*

Black Cord Connector with Spiral

Gray Cord Connector with Spiral

Miniature Nylon Snap-In Cord Connector with Spiral

Cord Diameter Range Inches (mm)	For Chassis Thickness	Black	Gray
.22"-.27" (5.6-6.9)	.10" (2.5) Max	HS1001BPK25	HS1001GPK25
.28"-.32" (7.1-8.1)	.10" (2.5) Max	HS1002BPK25	HS1002GPK25
.30"-.36" (7.6-9.1)	.13" (3.2) Max	HS1003BPK25	HS1003GPK25
.32"-.43" (8.1-10.9)	.13" (3.2) Max	HS1004BPK25	HS1004GPK25

Note: Catalog numbers above with "PK25" suffix, i.e. HJ1001GPK25, are bulk packed 25 per carton.
See page X-88 for technical information and dimensional drawings.

Black Snap-In Cord Connector

Gray Snap-In Cord Connector

Operating Temperatures

Material	Temperature Range	
Aluminum	-40°F to +300°F	(-40°C to +149°C)
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F	(-40°C to +107°C)
Plated steel*	-60°F to +1000°F	(-51°C to +537°C)
Stainless steel*	-60°F to +1000°F	(-51°C to +537°C)
Neoprene (bushings)	-30°F to +240°F	(-34°C to +115°C)

*Note: *Due to the limiting factors of nylon and neoprene, any complete cord connector with a GOTCHA ring, Form 1-5, will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).*
Cord connectors without GOTCHA rings, Form 6-8, will continuously operate in the range -30°F to +240°F (-34°C to +115°C) due to the limiting factor of neoprene.

Hazardous Locations

Hubbell cord connectors are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 in accordance with the NEC.

Flammability

Hubbell nylon cord connectors have a UL 94-V2 rating.

Approvals

Agency
UL Listed in accordance with Standard 514B for indoor/outdoor use.
CSA Certified.
United States Coast Guard Approved, Title 46-Part 111.

Form Size Definition

The term "Form Size" refers to the physical overall size of a cord connector.
Form 1 is the smallest size.
Form 8 is the largest size.

Knockout Holes

NPT Hub Size	Knockout Hole Recommended Min. to Max. Inches	(mm)	PG Hub Size	Knockout Hole Recommended Inches	(mm)	Metric Hub Size	Knockout Hole Recommended Inches	(mm)
¼	.54"-.57"	(13.7-14.5)	PG7	492"	(12.5)	M12	.472"	(12)
⅜	.67"-.70"	(17.0-17.8)	PG9	599"	(15.2)	M16	.629"	(16)
½	.86"-.91"	(21.8-23.0)	PG11	.733"	(18.6)	M20	.787"	(20)
¾	1.04"-1.09"	(26.4-27.8)	PG13.5	.804"	(20.4)	M25	.984"	(25)
1	1.36"-1.41"	(34.5-35.7)	PG16	.888"	(22.5)	M32	1.25"	(32)
1¼	1.72"-1.77"	(43.7-44.9)	PG21	1.15"	(28.3)	M40	1.57"	(40)
1½	1.97"-2.02"	(50.0-51.2)	PG29	1.47"	(34.3)			
2	2.45"-2.50"	(62.3-63.5)	PG36	1.85"	(47.0)			
2½	2.95"-3.00"	(75.0-76.2)						
3	3.58"-3.63"	(90.9-92.1)						

NPT, PG and Metric Thread Low Profile Connectors

Specifications	
Material	6/6 Nylon.
Gland	Buna N.
Temperature Range	-22°F to 225°F (-30°C to 107°C). Cord Connectors are Halogen and Silicon free.
Protection Class	IP66 Suitability.
Flammability	UL 94X-2.
Listings/Certifications	UL Listing File E-41567, UL Recognition File E-41567. CSA File LR27378C, VDE Marks Licence #136681.

Straight Hubbell Connectors

F NPT Inches	Form	Aluminum Inches (mm) A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	Nylon Inches (mm) A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
¼-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.32" (8.1)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.33" (8.4)	.1.00" (25.4)	.93" (23.6)
⅜-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.45" (11.4)	.1.00" (25.4)	.93" (23.6)
½-14	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	1.00" (25.4)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.46" (11.7)	.45" (11.4)	.1.00" (25.4)	.93" (23.6)
½-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.53" (13.5)	.58" (14.7)	1.25" (31.7)	1.12" (28.4)
½-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	—	—	—	—	—	—
¾-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	—	—	—	—	—	—
¾-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.55" (14.0)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)
1-11½	4	1.75" (44.4)	1.60" (40.6)	.71" (18.0)	1.02" (25.9)	1.81" (46.0)	1.62" (41.1)	1.88" (47.8)	1.75" (44.4)	.70" (17.8)	1.01" (25.7)	1.84" (46.7)	1.63" (41.4)
1-11½	5	2.31" (58.7)	1.70" (43.2)	.66" (16.8)	1.01" (25.7)	2.28" (57.9)	2.00" (50.8)	—	—	—	—	—	—
1¼-11½	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.26" (32.0)	2.28" (57.9)	2.12" (53.8)	—	—	—	—	—	—
1½-11½	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.38" (35.1)	2.28" (57.9)	2.12" (53.8)	—	—	—	—	—	—
1½-11½	6	3.00" (76.2)	2.20" (55.9)	.75" (19.0)	1.50" (38.1)	2.97" (75.4)	2.75" (69.8)	—	—	—	—	—	—
2-11½	6	3.00" (76.2)	2.20" (55.9)	.80" (20.3)	1.92" (48.8)	3.24" (82.4)	3.00" (76.2)	—	—	—	—	—	—
2-11½	7	3.85" (97.8)	2.70" (68.6)	.88" (22.4)	1.94" (49.3)	4.05" (102.9)	3.75" (95.2)	—	—	—	—	—	—
2½-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.32" (58.9)	4.34" (110.2)	4.02" (102.1)	—	—	—	—	—	—
2½-8	8	4.75" (120.6)	2.70" (68.6)	1.25" (31.7)	2.38" (60.5)	4.86" (123.4)	4.50" (114.3)	—	—	—	—	—	—
3-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.54" (64.5)	4.34" (110.2)	4.02" (102.1)	—	—	—	—	—	—
3-8	8	4.50" (114.3)	2.70" (68.6)	1.38" (35.1)	3.00" (76.2)	4.86" (123.4)	4.50" (114.3)	—	—	—	—	—	—

*Note: *A/C— Across Corners; A/F—Across Flats.*

Dimensions shown are approximate and are subject to change without notice.

Straight Hubbell Connectors

F NPT Inches	Form	Zinc-Plated Steel Inches (mm)							Stainless Steel Inches (mm)						
		A		B	C	D	E		A		B	C	D	E	
		A/C*	A/F*	Ref.		Throat Dia.	A/C*	A/F*	A/C*	A/F*	Ref.		Throat Dia.	A/C*	A/F*
¼- 18	1	—	—	—	—	—	—	—	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.38" (9.7)	.87" (22.1)	.75" (19.0)
⅜-18	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.42" (10.7)	.45" (11.4)	.99" (25.1)	.88" (22.4)	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.45" (11.4)	.87" (22.1)	.75" (19.0)
½-14	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.55" (14.0)	.45" (11.4)	1.00" (25.4)	.88" (22.4)	—	—	—	—	—	—	—
½-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.10" (28.2)	1.00" (25.4)	1.30" (33.0)	1.13" (28.7)	1.10" (27.9)	.54" (13.7)	.63" (16.0)	1.16" (29.5)	1.00" (25.4)
½-14	3	1.55" (39.4)	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	—	—	—	—	—	—	—
¾-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	—	—	—	—	—	—	—
¾-14	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.59" (40.4)	1.38" (35.1)	1.30" (33.0)	.56" (14.2)	.81" (20.6)	1.44" (36.6)	1.25" (31.7)
1-11½	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.70" (17.8)	.89" (22.6)	1.54" (39.1)	1.38" (35.1)	—	—	—	—	—	—	—
1-11½	4	1.92" (48.8)	1.69" (42.9)	1.60" (40.6)	.70" (17.8)	1.02" (25.9)	1.95" (49.5)	1.69" (42.9)	2.02" (51.3)	1.75" (44.4)	1.40" (35.6)	.70" (17.8)	1.03" (26.2)	1.88" (47.8)	1.63" (41.4)
1-11½	5	2.40" (61.0)	—	1.70" (43.2)	.70" (17.8)	1.02" (25.9)	2.46" (62.5)	2.15" (54.6)	—	—	—	—	—	—	—
1¼-11½	5	2.40" (61.0)	—	1.70" (43.2)	.73" (18.5)	1.27" (32.3)	2.48" (63.0)	2.19" (55.6)	—	—	—	—	—	—	—
1½-11½	5	2.40" (61.0)	—	1.70" (43.2)	.74" (18.8)	1.39" (35.3)	2.48" (63.0)	2.19" (55.6)	—	—	—	—	—	—	—
1½-11½	6	3.06" (77.7)	—	2.20" (55.9)	.75" (19.0)	1.52" (38.6)	3.04" (77.2)	2.83" (71.9)	—	—	—	—	—	—	—
2-11½	6	3.06" (77.7)	—	2.20" (55.9)	.78" (19.8)	1.92" (48.8)	3.32" (84.3)	3.07" (78.0)	—	—	—	—	—	—	—
2-11½	7	3.95" (100.3)	—	2.70" (68.6)	.78" (19.8)	1.99" (50.5)	4.18" (106.2)	3.89" (98.8)	—	—	—	—	—	—	—

*Note: *A/C— Across Corners; A/F—Across Flats.*

Dimensions shown are approximate and are subject to change without notice.

45° Hubbell Connectors

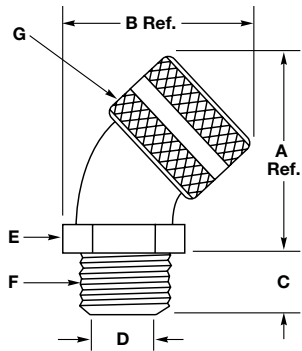| F NPT Inches	Form	Aluminum Inches (mm)							Zinc Plated Steel Inches (mm)							
		A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Dia.	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Across Corners	G Across Flats
½-14	2	2.00" (50.8)	1.90" (48.3)	.55" (14.0)	.56" (14.2)	1.27" (32.3)	1.10" (27.9)	1.13" (28.6)	1.97" (50.0)	1.90" (48.3)	.55" (14.0)	.57" (14.4)	1.24" (31.5)	1.06" (26.9)	1.27" (32.3)	1.13" (28.6)
¾-14	3	2.30" (58.4)	2.50" (65.3)	.56" (14.2)	.75" (19.0)	1.48" (37.6)	1.28" (32.5)	1.38" (34.9)	—	—	—	—	—	—	—	—
1-11½	4	2.60" (66.0)	2.80" (71.1)	.70" (17.8)	1.00" (25.4)	1.69" (42.9)	1.50" (38.1)	1.75" (44.4)	—	—	—	—	—	—	—	—
1½-11½	5	3.90" (99.1)	3.90" (9.91)	.74" (18.8)	1.25" (31.7)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	—	—	—	—	—	—	—	—
1½-11½	5	3.90" (99.1)	3.90" (99.1)	.74" (18.8)	1.50" (38.1)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	—	—	—	—	—	—	—	—

90° Hubbell Connectors

F NPT Inches	Form	Aluminum Inches (mm)							Zinc Plated Steel Inches (mm)							
		A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Dia.	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Across Corners	G Across Flats
⅜-18	1	1.27" (32.3)	2.00" (50.8)	.46" (11.7)	.44" (11.2)	1.15" (29.2)	1.10" (27.9)	.88" (22.2)	—	—	—	—	—	—	—	—
½-14	2	1.56" (39.6)	2.30" (58.4)	.50" (12.7)	.55" (13.9)	1.30" (33.0)	1.13" (28.7)	1.13" (28.6)	1.65" (41.9)	2.38" (60.5)	.55" (14.0)	.55" (13.8)	1.29" (32.8)	1.13" (28.7)	1.27" (32.3)	1.13" (28.6)
¾-14	3	1.79" (45.5)	2.80" (71.1)	.56" (14.2)	.77" (19.4)	1.49" (37.8)	1.31" (33.3)	1.38" (34.9)	1.88" (47.8)	2.90" (73.7)	.56" (14.2)	.77" (19.4)	1.52" (38.6)	1.33" (33.8)	1.55" (39.2)	1.38" (34.9)
1-11½	4	2.08" (52.8)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.70" (43.2)	1.50" (38.1)	1.75" (44.4)	2.16" (54.9)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.72" (43.7)	1.50" (38.1)	1.92" (48.8)	1.69" (42.8)
1¼-11½	5	3.18" (80.8)	4.30" (109.2)	.73" (18.5)	1.26" (32.0)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	—	—	—	—	—	—	—	—
1½-11½	5	3.18" (80.8)	4.30" (109.2)	.75" (19.2)	1.50" (38.1)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	—	—	—	—	—	—	—	—
2-11½	6	3.51" (89.2)	5.50" (139.7)	.80" (20.3)	1.92" (48.8)	2.98" (75.7)	2.78" (70.6)	3.00" (76.2)	—	—	—	—	—	—	—	—

90° Hubbell Connectors

F NPT Inches	Form	Nylon Inches (mm)						
		A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Dia.
⅜-18	1	—	—	—	—	—	—	—
½-14	2	1.41" (35.8)	2.50" (63.5)	.55" (14.0)	.58" (14.6)	1.23" (31.2)	1.12" (28.2)	1.32" (33.4)
¾-14	3	1.65" (41.9)	2.81" (71.4)	.56" (14.2)	.77" (19.4)	1.42" (36.1)	1.29" (32.8)	1.56" (39.6)
1-11½	4	1.99" (50.5)	3.30" (83.8)	.70" (17.8)	1.01" (25.7)	1.82" (46.2)	1.60" (40.6)	1.88" (47.6)

Dimensions shown are approximate and are subject to change without notice.

Female Hubbell Connectors

F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats
⅜-18	1	.88" (22.4)	1.40" (35.6)	.56" (14.2)	.44" (11.2)	.94" (23.9)	.81" (20.6)
½-14	2	1.13" (28.7)	1.80" (45.7)	.56" (14.2)	.63" (16.0)	1.15" (29.2)	1.00" (25.4)
¾-14	2	1.13" (28.7)	2.10" (53.3)	.75" (19.0)	.63" (16.0)	1.44" (36.6)	1.25" (31.7)
1-11½	4	1.75" (44.5)	2.30" (58.4)	.88" (22.4)	1.10" (27.9)	1.88" (47.8)	1.63" (41.4)
1¼-11½	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)
1½-11½	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)

Underground Feeder Connectors

F NPT Inches	Form	Aluminum A Dia.	Aluminum B Ref.	Aluminum C	Aluminum D Throat Dia.	Aluminum E A/C*	Aluminum E A/F*	Zinc A A/C*	Zinc A A/F*	Zinc B Ref.	Zinc C	Zinc D Throat Dia.	Zinc E A/C*	Zinc E A/F*	Nylon A Dia.	Nylon B Ref.	Nylon C	Nylon D Throat Dia.	Nylon E A/C*	Nylon E A/F*
½-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.10" (27.9)	1.00" (25.4)	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.55" (14.0)	.58" (14.7)	1.25" (31.7)	1.13" (28.7)
¾-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (25.4)	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	—	—	—	—	—	—
¾-14	3	1.13" (28.7)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.56" (14.2)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.56" (14.2)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)

Note: *A/C - Across Corners; A/F - Across Flats.

Low Profile Non-Metallic NPT, PG and Metric Thread Connectors

Nylon Inches (mm)

Hub Size	A	B	C	D	E	F
⅜ NPT	0.670" (17.0)	1.41" (35.8)	0.48" (12.4)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
½ NPT	0.875" (22.2)	1.70" (43.2)	0.61" (15.5)	0.21" (5.3)	0.88" (24.8)	0.66" (16.8)
¾ NPT	1.068" (27.1)	2.00" (50.8)	0.62" (15.7)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
1 NPT	1.375" (35.0)	2.41" (61.2)	0.76" (19.3)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG7	0.492" (12.5)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.48" (12.4)
PG9	0.599" (15.2)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
PG11	0.733" (18.6)	1.48" (37.6)	0.38" (9.7)	0.21" (5.3)	0.94" (23.9)	0.70" (17.8)
PG13.5	0.804" (20.4)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
PG16	0.888" (22.5)	1.68" (42.7)	0.44" (11.2)	0.25" (6.4)	1.06" (27.0)	0.76" (19.3)
PG21	1.15" (28.3)	1.89" (48.0)	0.52" (13.2)	0.25" (6.4)	1.30" (33.0)	.085" (21.6)
PG29	1.47" (37.30)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG36	1.85" (47.0)	2.39" (60.7)	0.47" (11.9)	0.31" (7.9)	2.05" (52.7)	1.19" (30.2)
M12	0.473" (12.0)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.49" (12.4)
M16	0.630" (16.0)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
M20	0.787" (20.0)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
M25	0.985" (25.0)	1.89" (48.0)	0.52" (13.2)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
M32	1.260" (32.0)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
M40	1.575" (40.0)	2.39" (60.7)	0.48" (12.2)	0.30" (7.6)	2.05" (52.1)	1.19" (30.2)

SEALING NUT

Recommended knockout size

Dimensions shown are approximate and are subject to change without notice.

2 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Dia. Inches (mm)		.25" (6.2)	.31" (7.8)	.33" (8.4)	.37" (9.3)	.38" (9.7)	.40" (10.2)	.54" (13.7)	.62" (15.6)	.68" (17.1)	.81" (20.6)
Color		Black	Black	White	White	Blue	Blue	Brown	Brown	Yellow	Orchid
NPT	Form	Catalog Number*									
¼	1	HC1004	HC1004	HC1005	HC1005	HC1006	HC1006	–	–	–	–
⅜	1	HC1010	HC1010	HC1011	HC1011	HC1012	HC1012	–	–	–	–
½	1	HC1016	HC1016	HC1017	HC1017	HC1018	HC1018	–	–	–	–
½	2	HC1022	HC1022	HC1022	HC1022	HC1023	HC1023	HC1024	HC1024	–	–
½	3	–	–	–	–	HC1025	HC1025	HC1026	HC1026	HC1027	HC1028
¾	2	HC1032	HC1032	HC1032	HC1032	HC1033	HC1033	HC1034	HC1034	–	–
¾	3	–	–	–	–	HC1035	HC1035	HC1036	HC1036	HC1037	HC1038
1	4	–	–	–	–	HC1039	HC1039	HC1040	HC1040	HC1041	HC1042
1	5	–	–	–	–	–	–	–	–	–	HC1045
1¼	5	–	–	–	–	–	–	–	–	–	HC1050
1½	5	–	–	–	–	–	–	–	–	–	HC1055
1½	6	–	–	–	–	–	–	–	–	–	–
2	6	–	–	–	–	–	–	–	–	–	–
2	7	–	–	–	–	–	–	–	–	–	–
2½	7	–	–	–	–	–	–	–	–	–	–
3	7	–	–	–	–	–	–	–	–	–	–

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page X-86.
‡F5 and larger will not be color coded.

3 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Dia. Inches (mm)		.26" (6.5)	.33" (8.3)	.35" (8.9)	.39" (9.8)	.39" (9.9)	.42" (10.7)	.57" (14.4)	.65" (16.4)	.71" (18.0)	.85" (21.5)
Color		Black	White	White	Blue	Blue	Blue	Brown	Yellow	Yellow	Orchid
NPT	Form	Catalog Number*									
¼	1	HC1004	HC1005	HC1005	HC1006	HC1006	HC1006	–	–	–	–
⅜	1	HC1010	HC1011	HC1011	HC1012	HC1012	HC1012	–	–	–	–
½	1	HC1016	HC1017	HC1017	HC1018	HC1018	HC1018	–	–	–	–
½	2	HC1022	HC1022	HC1022	HC1023	HC1023	HC1023	HC1024	–	–	–
½	3	–	–	–	HC1025	HC1025	HC1025	HC1026	HC1027	HC1027	HC1028
¾	2	HC1032	HC1032	HC1032	HC1033	HC1033	HC1033	HC1034	–	–	–
¾	3	–	–	–	HC1035	HC1035	HC1035	HC1036	HC1037	HC1037	HC1038
1	4	–	–	–	HC1039	HC1039	HC1039	HC1040	HC1041	HC1041	HC1042
1	5	–	–	–	–	–	–	–	–	–	HC1045
1¼	5	–	–	–	–	–	–	–	–	–	HC1050
1½	5	–	–	–	–	–	–	–	–	–	HC1055
1½	6	–	–	–	–	–	–	–	–	–	–
2	6	–	–	–	–	–	–	–	–	–	–
2	7	–	–	–	–	–	–	–	–	–	–
2½	7	–	–	–	–	–	–	–	–	–	–
3	7	–	–	–	–	–	–	–	–	–	–

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page X-95.
‡F5 and larger will not be color coded.

2 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. Dia. Inches (mm)		.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)	2.16" (51.9)
Color		Gray‡	Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	Catalog Number*									
¼	1	—	—	—	—	—	—	—	—	—	—
⅜	1	—	—	—	—	—	—	—	—	—	—
½	1	—	—	—	—	—	—	—	—	—	—
½	2	—	—	—	—	—	—	—	—	—	—
½	3	—	—	—	—	—	—	—	—	—	—
¾	2	—	—	—	—	—	—	—	—	—	—
¾	3	—	—	—	—	—	—	—	—	—	—
1	4	HC1043	HC1044	—	—	—	—	—	—	—	—
1	5	HC1046	HC1047	HC1048	HC1049	—	—	—	—	—	—
1¼	5	HC1051	HC1052	HC1053	HC1054	—	—	—	—	—	—
1½	5	HC1056	HC1057	HC1058	HC1059	—	—	—	—	—	—
1½	6	—	—	—	HC1060	HC1061	HC1062	HC1063	HC1064	—	—
2	6	—	—	—	HC1065	HC1066	HC1067	HC1068	HC1069	—	—
2	7	—	—	—	—	—	—	—	HC1070	HC1071	HC1073
2½	7	—	—	—	—	—	—	—	HC1076	HC1077	HC1079
3	7	—	—	—	—	—	—	—	HC1086	HC1087	HC1089

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page X-86.
‡F5 and larger will not be color coded.

3 Conductors

CordType		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. Dia. Inches (mm)		1.00" (25.4)	1.17" (29.7)	1.24" (31.5)	1.34" (34.0)	1.51" (38.4)	1.65" (41.9)	1.75" (44.5)	1.80" (48.0)	2.07" (52.6)	2.39" (60.7)
Color		Gray‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	Catalog Number*									
¼	1	—	—	—	—	—	—	—	—	—	—
⅜	1	—	—	—	—	—	—	—	—	—	—
½	1	—	—	—	—	—	—	—	—	—	—
½	2	—	—	—	—	—	—	—	—	—	—
½	3	—	—	—	—	—	—	—	—	—	—
¾	2	—	—	—	—	—	—	—	—	—	—
¾	3	—	—	—	—	—	—	—	—	—	—
1	4	HC1044	—	—	—	—	—	—	—	—	—
1	5	HC1047	HC1048	HC1048	HC1049	—	—	—	—	—	—
1¼	5	HC1052	HC1053	HC1053	HC1054	—	—	—	—	—	—
1½	5	HC1057	HC1058	HC1058	HC1059	—	—	—	—	—	—
1½	6	—	—	—	HC1060	HC1062	HC1063	HC1064	—	—	—
2	6	—	—	—	HC1065	HC1067	HC1068	HC1069	—	—	—
2	7	—	—	—	—	—	—	HC1070	HC1071	HC1073	HC1075
2½	7	—	—	—	—	—	—	HC1076	HC1077	HC1079	HC1081
3	7	—	—	—	—	—	—	HC1086	HC1087	HC1089	HC1091

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page X-86.
‡F5 and larger will not be color coded.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Dia. Inches (mm)		.36" (9.0)	.39" (9.8)	.43" (10.8)	.42" (10.7)	.45" (11.4)	.61" (15.5)	.70" (17.8)	.77" (19.4)	.97" (24.6)
Color		White	Blue	Blue	Blue	Blue	Brown	Yellow	Orchid	Gray‡
NPT	Form	Catalog Number*								
¼	1	HC1005	HC1006	HC1006	HC1006	—	—	—	—	—
⅜	1	HC1011	HC1012	HC1012	HC1012	—	—	—	—	—
½	1	HC1017	HC1018	HC1018	HC1018	—	—	—	—	—
½	2	HC1022	HC1023	HC1023	HC1023	HC1023	HC1024	—	—	—
½	3	—	HC1025	HC1025	HC1025	HC1025	HC1026	HC1027	HC1028	—
¾	2	—	HC1033	HC1033	HC1033	HC1033	HC1034	—	—	—
¾	3	—	HC1035	HC1035	HC1035	HC1035	HC1036	HC1037	HC1038	—
1	4	—	HC1039	HC1039	HC1039	HC1039	HC1040	HC1041	HC1042	HC1043
1	5	—	—	—	—	—	—	—	—	HC1046
1¼	5	—	—	—	—	—	—	—	—	HC1051
1½	5	—	—	—	—	—	—	—	—	HC1056
1½	6	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—
2½	7	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page X-86.*
‡F5 and larger will not be color coded.

5 Conductors

Cord Type		S, SO, ST, STO						
Cord Size		#18	#16	#14	#12	#10	#8	#6
Approx. Dia. Inches (mm)		.50"	.54"	.70"	.76"	.83"	1.06"	1.18"
		(12.7)	(13.7)	(17.7)	(19.3)	(21.1)	(26.9)	(30.0)
Color		Blue	Brown	Yellow	Orchid‡	Orchid‡	Pink‡	‡
NPT	Form	Catalog Number*						
½	2	HC1023	HC1024	—	—	—	—	—
½	3	HC1025	HC1026	HC1027	HC1028	HC1028	—	—
¾	2	HC1033	HC1034	—	—	—	—	—
¾	3	HC1035	HC1036	HC1037	HC1038	HC1038	—	—
1	4	HC1039	HC1040	HC1041	HC1042	HC1042	HC1044	—
1	5	—	—	—	HC1045	HC1045	HC1047	HC1048
1¼	5	—	—	—	HC1050	HC1050	HC1052	HC1053
1½	5	—	—	—	HC1055	HC1055	HC1057	HC1058

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page X-86.*
‡F5 and larger will not be color coded.

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0
Approx. Dia. Inches (mm)		.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)
Color		Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	Catalog Number*								
¼	1	—	—	—	—	—	—	—	—	—
⅜	1	—	—	—	—	—	—	—	—	—
½	1	—	—	—	—	—	—	—	—	—
½	2	—	—	—	—	—	—	—	—	—
½	3	—	—	—	—	—	—	—	—	—
¾	2	—	—	—	—	—	—	—	—	—
¾	3	—	—	—	—	—	—	—	—	—
1	4	**HC1044**	—	—	—	—	—	—	—	—
1	5	**HC1047**	**HC1049**	**HC1049**	—	—	—	—	—	—
1¼	5	**HC1052**	**HC1054**	**HC1054**	—	—	—	—	—	—
1½	5	**HC1057**	**HC1059**	**HC1059**	—	—	—	—	—	—
1½	6	—	**HC1060**	**HC1060**	**HC1061**	**HC1063**	**HC1064**	—	—	—
2	6	—	**HC1064**	**HC1065**	**HC1066**	**HC1068**	**HC1069**	—	—	—
2	7	—	—	—	—	—	**HC1070**	**HC1071**	**HC1073**	**HC1074**
2½	7	—	—	—	—	—	**HC1076**	**HC1077**	**HC1079**	**HC1080**
3	7	—	—	—	—	—	**HC1086**	**HC1087**	**HC1089**	**HC1090**

*Note: *Must add prefix, see Note 1; suffix, see Note 2, below.*
‡F5 and larger will not be color coded.

Note:

1. Add the proper prefix to the HC number to identify the type of connector desired:
SHC = Straight Hubbell Connector
NHC = 90° Hubbell Connector
FHC = Female Hubbell Connector
VHC = 45° Hubbell Connector

2. Add the proper suffix to identify material desired:
Aluminum = No suffix
Zinc-Plated Steel = ZP
Corrosion Resistant Nylon = CR
Stainless Steel = SS

3. This chart is a general guide to assist in the selection of Hubbell Cord Connectors for various cord sizes. The Hubbell Cord Connector catalog numbers selected, have been inserted into spaces which in our judgment represent the best cord connector which will fit the listed cord size. The diameters of the cords are approximate and may vary depending on the manufacturer. It is suggested that the appropriate cord manufacturer's dimension chart be consulted for exact dimensions.

4. Cable jacket may have to be stripped to allow conductors to pass through connector body.

NPT Thread Locknuts

Zinc-Plated Steel

NPT Hub Size	A Inside Diameter Inches	B Outside Dia. Inches	(mm)	C Thickness Inches	(mm)	Steel Catalog Number
½	½"-14	1.14"	(29.0)	.09"	(2.3)	**00322001LPK50**
¾	¾"-14	1.43"	(36.3)	.11"	(2.8)	**00322002LPK50**
1	1"-11½	1.77"	(45.0)	.13"	(3.3)	**00322003LPK50**
1¼	1¼"-11½	2.28"	(57.9)	.13"	(3.3)	**00322004LPK50**
1½	1½"-11½	2.60"	(66.0)	.13"	(3.3)	**00322005LPK50**

Metal Clad Sealing O-Rings – Sizes ½ - 4

Zinc-Plated Steel with Neoprene Ring

NPT Hub Size	A Inside Diameter Inches	(mm)	B Outside Dia. Inches	(mm)	C Thickness Inches	(mm)	Catalog Number
½	.80"	(20.3)	1.08"	(27.4)	.16"	(3.2)	**20509001**
¾	1.00"	(25.4)	1.34"	(34.0)	.16"	(3.2)	**20509002**
1	1.25"	(31.6)	1.63"	(41.4)	.16"	(3.2)	**20509003**
1¼	1.61"	(40.9)	2.00"	(50.8)	.16"	(3.2)	**20509004**
1½	1.84"	(46.7)	2.36"	(59.9)	.16"	(3.2)	**20509005**
2	2.31"	(58.7)	2.83"	(71.9)	.16"	(3.2)	**20509006**

Chrome Plated Steel with Neoprene Ring

NPT Hub Size	A Inside Diameter Inches	(mm)	B Outside Dia. Inches	(mm)	C Thickness Inches	(mm)	Catalog Number
2½	2.91"	(73.9)	3.44"	(87.4)	.24"	(6.1)	**20509007**
3	3.52"	(89.4)	4.08"	(103.6)	.24"	(6.1)	**20509008**

Nylon PG Thread Locknuts

PG Thread Size	A Inches	(mm)	B Inches	(mm)	C Inches	(mm)	Catalog Number
PG7	.75"	(19.1)	.80"	(20.3)	.22"	(5.6)	**LNP7BPK100**
PG9	.86"	(21.8)	.91"	(23.2)	.22"	(5.6)	**LNP9BPK100**
PG11	.94"	(23.9)	1.03"	(26.2)	.22"	(5.6)	**LNP11BPK100**
PG13.5	1.06"	(26.9)	1.14"	(29.0)	.24"	(6.1)	**LNP13BPK100**
PG16	1.18"	(30.0)	1.30"	(33.0)	.25"	(6.1)	**LNP16BPK100**
PG21	1.41"	(35.8)	1.54"	(39.1)	.25"	(6.1)	**LNP21BPK100**
PG29	1.81"	(46.0)	2.00"	(50.8)	.25"	(6.1)	**LNP29BPK25**
PG36	2.24"	(56.9)	2.50"	(63.5)	.25"	(6.1)	**LNP36BPK25**

Nylon Metric Thread Locknuts

PG Thread Size	A Inches	(mm)	B Inches	(mm)	C Inches	(mm)	Catalog Number
M12	.75"	(19.1)	.82"	(20.8)	.22"	(5.6)	**LNM12BPK100**
M16	.87"	(22.09)	.98"	(25.0)	.22"	(5.6)	**LNM16BPK100**
M20	1.06"	(27.0)	1.18"	(30.0)	.25"	(6.4)	**LNM20BPK100**
M25	1.38"	(35.1)	1.54"	(39.1)	.28"	(7.1)	**LNM25BPK100**
M32	1.61"	(40.9)	1.80"	(45.7)	.28"	(7.1)	**LNM32BPK100**
M40	1.97"	(50.0)	2.18"	(55.4)	.28"	(7.1)	**LNM40BPK100**

Dimensions shown are approximate and are subject to change without notice.

Hubbell Juniors®

Material	Operating Temperature Range
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F (-40°C to +107°C)
Neoprene (bushings)	-30°F to +240°F (-34°C to +115°C)

Due to the limiting factors of nylon and neoprene, any complete liquidtight Hubbell Junior will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Snap-In continuously performs -40°F to +225°F (-40°C to +107°C).

Flammability

Hubbell Juniors have a UL 94X-2 rating.

Certifications

Product	Agency
Liquidtight and Liquidtight with Spiral	UL Listed. CSA Certified.
Snap-In	UL Recognized. CSA Certified.

Knockout Holes

NPT Hub Size	Knockout Hole Recommended Min. to Max. inches	(mm)
¼	.54"-.57"	(13.7-14.5)
⅜	.67"-.70"	(17.0-17.8)
½	.86"-.91"	(21.8-23.1)

Snap-In

Diameter Range Inches (mm)	For Chassis Thickness (Max.) Inches (mm)	Required Hole Size A Inches (mm)	B Inches (mm)	C Inches (mm)	D Inches (mm)	E Inches (mm)	F Inches (mm)	G Inches (mm)
.22"-.27" (5.6-6.9)	.10" (2.5)	.50" (12.7)	.45" (11.4)	.28" (7.1)	.28" (7.1)	.54" (13.7)	.12" (3.0)	1.84" (44.2)
.28"-.32" (7.1-8.1)	.10" (2.5)	.50" (12.7)	.47" (11.9)	.28" (7.1)	.33" (8.4)	.59" (15.0)	.12" (3.0)	1.84" (44.2)
.30"-.36" (7.6-9.1)	.13" (3.3)	.63" (16.0)	.55" (14.0)	.36" (9.1)	.37" (9.4)	.65" (16.5)	.14" (3.6)	2.18" (55.4)
.32"-.43" (8.1-10.9)	.13" (3.3)	.75" (19.0)	.66" (16.8)	.45" (11.4)	.44" (11.2)	.75" (19.1)	.14" (3.6)	2.60" (66.0)

Liquidtight

F NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Across Corners Inches (mm)	E Across Flats Inches (mm)
¼-18	.65" (16.5)	1.30" (33.0)	.40" (10.2)	.29" (7.4)	.65" (16.5)	.60" (15.2)
⅜-18	.81" (20.6)	1.44" (36.6)	.41" (10.4)	.36" (9.1)	.81" (20.6)	.75" (19.1)
½-14	1.00" (25.4)	1.56" (39.6)	.46" (11.7)	.45" (11.4)	.99" (25.1)	.92" (23.4)

Liquidtight with Spiral

G NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Inches (mm)	F Across Corners Inches (mm)	F Across Flats Inches (mm)
¼-18	.65" (16.5)	2.55" (64.8)	.40" (10.2)	.29" (7.4)	.27" (6.9)	.65" (16.5)	.60" (15.2)
⅜-18	.81" (20.6)	3.10" (78.7)	.41" (10.4)	.36" (9.1)	.35" (8.9)	.81" (20.6)	.75" (19.1)
½-14	1.00" (25.4)	3.72" (94.5)	.46" (11.7)	.45" (11.4)	.45" (11.4)	.99" (25.1)	.92" (23.4)

Dimensions shown are approximate and are subject to change without notice.

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Features and Benefits

PolyTuff® I and PolyTuff® II
Non-Metallic Liquidtight Conduit

All non-metallic construction ends fatigue and separation problems. They can be cut cleanly with a knife or PVC cutter so there are no jagged metal edges.

PolyTuff® I Conduit, Gray

- Rigid PVC core bonded to flexible PVC jacket
- Approved for outdoor use and direct burial
- UL Listed and CSA Certified

PolyTuff® II Tubing, Black

- PVC core with corrugated walls bonded to PVC jacket
- Handles twists, turns, bends, switchbacks and straightaways with ease
- UL Recognized and CSA Certified

PolyTuff® I Conduit

IP66 SUITABILITY

Trade Size (metric designator)	Feet (m)	Catalog Number
⅜ (12)	100 (30.5)	**G1038**
	1200 (365.8)	**G1038R1200**
½ (16)	100 (30.5)	**G1050**
	1000 (304.8)	**G1050R1000**
¾ (21)	100 (30.5)	**G1075**
	800 (343.8)	**G1075R800**
1 (27)	100 (30.5)	**G1100**
	500 (152.4)	**G1100R500**
1¼ (35)	100 (30.5)	**G1125**
1½ (41)	50 (15.2)	**G1150**
2 (53)	50 (15.2)	**G1200**

Note: See pages X-58 and X-59, X-90 and X-91 for approved fittings.
See pages X-92 and X-93 for technical information and dimensional drawings.

PolyTuff® II Tubing

IP66 SUITABILITY

Trade Size (metric designator)	Feet (m)	Catalog Number
¼ (10)	100 (30.5)	**B2025**
⅜ (12)	100 (30.5)	**B2038**
½ (16)	100 (30.5)	**B2050**
¾ (21)	100 (30.5)	**B2075**
1 (27)	100 (30.5)	**B2100**
1¼ (35)	100 (30.5)	**B2125**
1½ (41)	50 (15.2)	**B2150**
2 (53)	50 (15.2)	**B2200**

Note: See page X-90 for approved fittings.
See pages X-92 and X-93 for technical information and dimensional drawings.

**UL Listed to
Type 4, 4X, 12 and 13**

PolyTuff® Non-Metallic Liquidtight Fittings

P075NBKA

P075NGYA

Straight with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
¼ (10)	**F2025**	—
⅜ (12)	**P038NBKA**	**P038NGYA**
½ (16)	**P050NBKA**	**P050NGYA**
¾ (21)	**P075NBKA**	**P075NGYA**
1 (27)	**P100NBKA**	**P100NGYA**
1¼ (35)	**P125NBK**	**P125NGY**
1½ (41)	**P150NBK**	**P150NGY**
2 (53)	**P200NBK**	**P200NGY**

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages X-94 and X-95 for technical information and dimensional drawings.
⅜" Liquidtight conduit fitting have ½ NPT male threads.

PS0509NGY
SwivelLok® Multi-Position

SwivelLok® Multi-Position with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
⅜ (12)	**PS0389NBK**	**PS0389NGY**
½ (16)	**PS0509NBK**	**PS0509NGY**
¾ (21)	**PS0759NBK**	**PS0759NGY**
1 (27)	**PS1009NBK**	**PS1009NGY**

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages X-94 and X-95 for technical information and dimensional drawings.
⅜" Liquidtight conduit fitting have ½ NPT male threads.

P0759NBK

P0759NGY

Fixed 90°Fittings for Non-Metallic Conduit

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
⅜ (12)	**P0389NBK**	**P0389NGY**
½ (16)	**P0509NBK**	**P0509NGY**
¾ (21)	**P0759NBK**	**P0759NGY**
1 (27)	**P1009NBK**	**P1009NGY**
1¼ (35)	**P1259NBK**	**P1259NGY**

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages X-94 and X-95 for technical information and dimensional drawings.
⅜" Liquidtight conduit fitting have ½ NPT male threads.

PS05GYKIT

SwivelLok® Flexible Conduit Kit

Trade Size (metric designator)	Fitting and Conduit	Catalog Number
½ (16)	2 PS0509NGY, 6' G1050	**PS05GYKIT**
¾ (21)	2 PS0759NGY, 6' G1075	**PS07GYKIT**

Note: See pages X-94 and X-95 for technical information and dimensional drawings.

Metallic Liquidtight Conduit Fittings

Straight Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (12)	H0381	H038
½ (16)	H0501	H050
¾ (21)	H0751	H075
1 (27)	H1001	H100
1¼ (35)	H1251	H125
1½ (41)	H1501	H150
2 (53)	H2001	H200
2½ (63)	H2501	H250
3 (78)	H3001	H300
3½ (91)	H3501	H350
4 (103)	H4001	H400

Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page X-96 for technical information.

H075

H0751

45° Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (12)	H03841	H0384
½ (16)	H05041	H0504
¾ (21)	H07541	H0754
1 (27)	H10041	H1004
1¼ (35)	H12541	H1254
1½ (41)	H15041	H1504
2 (53)	H20041	H2004

Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page X-96 for technical information.

H0754

H07541

90° Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (12)	H03891	H0389
½ (16)	H05091	H0509
¾ (21)	H07591	H0759
1 (27)	H10091	H1009
1¼ (35)	H12591	H1259
1½ (41)	H15091	H1509
2 (53)	H20091	H2009
2½ (63)	H25091	H2509
3 (78)	H30091	H3009
4 (103)	H40091	H4009

Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page X-96 for technical information.

H0759

H07591

PolyTuff® I Conduit

Operating Temperature Range

Wet environment	0°F to +140°F (-18°C to +60°C).
Oil environment	0°F to +158°F (-18°C to +70°C).
Dry environment	0°F to +176°F (-18°C to +80°C).

Certifications

UL Listed	UL Standard 1660. Sunlight resistant approved for outdoor use, direct burial.
CSA Certified	Meets requirements of NEC.

Voltage Rating

Maximum	600V.

Material

Conduit	Co-extruded rigid and flexible PVC.

PolyTuff® II Tubing

Operating Temperature Range

Operating environment	0°F to +140°F (-18°C to +60°C).

Certifications

UL Recognized	
CSA Certified	

Voltage Rating

Maximum	Same as wire insulation rating.

Material

Tubing	Co-extruded rigid and flexible PVC.

PolyTuff® I Conduit

Trade Size (metric designator)	Conduit ID/OD Inches	(mm)	Bend Radius Inches	(mm)
⅜ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
½ (16)	.63"/.83"	(16.1/21.1)	3.00"	(76.2)
¾ (21)	.83"/1.04"	(21.1/26.4)	4.00"	(101.6)
1 (27)	1.05"/1.30"	(26.0/33.1)	5.00"	(217.0)
1¼ (35)	1.40"/1.65"	(35.4/41.8)	6.30"	(158.8)
1½ (41)	1.59"/1.88"	(40.3/47.8)	7.50"	(190.5)
2 (53)	2.03"/2.36"	(51.6/59.9)	10.00"	(254.0)

PolyTuff® II Tubing

Trade Size (metric designator)	Conduit ID/OD Inches	(mm)	Bend Radius Inches	(mm)
¼ (10)	.36"/.57"	(9.3/14.5)	1.50"	(38.1)
⅜ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
½ (16)	.63"/.83"	(16.1/21.1)	2.00"	(50.8)
¾ (21)	.83"/1.04"	(21.1/26.4)	3.00"	(76.2)
1 (27)	1.05"/1.30"	(26.0/33.1)	3.00"	(76.2)
1¼ (35)	1.40"/1.65"	(35.4/41.8)	5.00"	(127.0)
1½ (41)	1.59"/1.88"	(40.3/47.8)	5.00"	(127.0)
2 (53)	2.03"/2.36"	(51.6/59.9)	5.00"	(127.0)

PolyTuff® I and II Conduit/Tubing; PVC Chemical Resistance

Chemical	Conc.*	70°F 21°C	150°F 66°C	Chemical	Conc.*	70°F 21°C	150°F 66°C	Chemical	Conc.*	70°F 21°C	150°F 66°C
Acetate Solvents		D	D	Coconut Oil		C	D	Lubricating Oils		A	A
Acetic Acid		B	C	Corn Oil		A	B	Magnesium Chloride		A	A
Acetic Acid (Glacial)		C	D	Cottonseed Oil		C	D	Magnesium Hydroxide		A	A
Acetone		D	D	Creosote		D	D	Magnesium Sulfate		A	A
Acrylontrile		A	B	Cresol		C	D	Malathion 50 in Aromatics		D	D
Alcohols (Aliphatic)		C	C	Crysylic Acid		D	D	Malic Acid		A	A
Aluminum Chloride		A	A	Cyclohexane		B	C	Methyl Acetate		D	D
Aluminum Sulfate (Alums)		A	A	DDT Weed Killer		A	C	Methyl Alcohol		C	C
Ammonia (Anhydrous Liquids)		D	D	Dibutyl Phthalate		D	D	Methyl Bromide		D	D
Ammonia (Aqueous)		A	A	Diesel Oils		C	D	Methyl Ethyl Ketone		D	D
Ammoniated Latex		A	C	Diethylene Glycol		B	C	Methylene Chloride		D	D
Ammonium Chloride		A	A	Diethyl Ether		A	C	Mineral Oil			
Ammonium Hydroxide		A	A	Di-isodecyl Phthalate		D	D	Monochlorobenezene		A	A
Amyl Acetate		D	D	Dioctyl Phthalate		D	D	Muriatic Acid (see Hydrochloric Acid)			
Aniline Oils		D	D	Dow General Weed Killer (Phenol)		D	D	Naphtha		C	D
Aromatic Hydrocarbons		D	D	Dow General Weed Killer (H2O)		B	C	Naphthalene		D	D
Asphalt		D	D	Ethyl Alcohol		C	C	Nitric Acid	10%	A	B
ASTM Fuel A		C	C	Ethylene Dichloride		D	D	Nitric Acid	35%	A	C
ASTM Fuel B		D	D	Ethylene Glycol		B	C	Nitric Acid	70%	D	D
ASTM #1 Oil		B	C	Ferric Chloride		A	A	Oleic Acid		A	C
ASTM #3 Oil		C	D	Ferric Sulfate		A	A	Oleum		D	D
Barium Chloride		A	A	Ferrous Chloride		A	A	Oxalic Acid		A	A
Barium Sulfide		A	A	Ferrous Sulfate		A	A	Pentachlorophenol in Oil		B	C
Barium Hydroxide		A	A	Formaldehyde		D	D	Pentane		C	D
Benzene (Benzol)		D	D	Fuel Oil		B	C	Perchloroethylene		B	C
Benzine (Petroleum Ether)		C	C	Furfural		C	C	Petroleum Ether		C	C
Black Liquor		A	A	Gallic Acid		A	A	Phenol		A	A
Bordeaux Mixture		A	A	Gasoline (Hi Test)		C	D	Phosphoric Acid	10%	A	A
Boric Acid		A	A	Glycerine		A	A	Pitch	50%	A	B
Butyl Acetate		D	D	Grease		A	C	Potassium Hydroxide		C	D
Butyl Alcohol		B	C	Green Sulfate Liquor		A	A	Sodium Cyanide		A	A
Calcium Hydroxide		A	A	Heptachlor in Petroleum Solvents		A	C	Stoddard Solvent		D	D
Calcium Hypochlorite		A	A	Heptane		C	D	Styrene		D	D
Carbolic Acid (Phenol)		B	C	Hexane		C	D	Sulfur Dioxide (liquid)		D	D
Carbon Dioxide		A	A	Hydrobromic Acid		A	A	Sulfuric Acid	50%	A	B
Carbon Disulfide		D	D	Hydrochloric Acid	10%	A	A	Sulfuric Acid	98%	D	D
Carbon Tetrachloride		D	D	Hydrochloric Acid	40%	C	C	Sulfurous Acid		B	C
Carbonic Acid		A	A	Hydrofluoric Acid	70%	D	D	Tall Oil		D	D
Casein		A	C	Hydrofluorosilicic Acid		A	A	Tannic Acid		A	A
Caustic Soda		A	B	Hydrofluorosilicic Acid	10%	A	A	Toluene		D	D
Chlorine Gas (wet)		D	D	Hydrogen Peroxide		A	B	Trichlorethylene		D	D
Chlorine Gas (dry)		D	D	Iso-Octane		C	C	Triethanol Amine		C	D
Chlorine (water solution)		C	D	Isopropyl Acetate		D	D	Tricresyl Phosphate (Skydrol)		D	D
Chlorobenzene		D	D	Isopropyl Acid		B	C	Turpentine		C	D
Chlorinated Hydrocarbons		D	D	Jet Fuels (JP-3, and 5)		C	D	Vinegar		A	B
Chromic Acid		B	C	Kerosene		C	C	Vinyl Chloride		D	D
Citric Acid		A	A	Ketones		D	D	Water		A	A
Coal Tar		D	D	Linseed Oil		A	A	White Liquor		A	A
								Xylene		D	D
								Zinc Chloride		A	A
								Zinc Sulfate		A	A

*Note: *Conc. = Concentration.*
(All ratings apply to concentrated or saturated solutions unless otherwise specified.)
Chemical resistance ratings are based upon information supplied by the raw material manufacturers.
Use as a general guide only – samples should be tested by user under actual conditions.

Rating Code

A-Excellent service
No harmful effect to reduce service life. Suitable for continuous service.

B-Good service life.
Moderate to minor effect. Good for intermittent service. Generally suitable for continuous service.

C-Fair or limited service.
Depends on operating conditions. Generally suitable for intermittent service. Not recommended for continuous service.

D-Unsatisfactory service.
Not recommended.

PolyTuff® Fittings

Operating Temperature*

Nylon (Body, Nut, Gripping Ring and Locknut)	−40°F to +225°F (−40°C to +107°C).
Neoprene (Sealing Ring)	−30°F to +240°F (−34°C to +116°C).

Flammability

Fire Gas Toxicity Product Testing	Nylon PolyTuff Fittings have a UL 94X-2 rating.

Certifications

UL Listed	UL50 Type 4X, 12 and 13.
CSA Certified	PolyTuff I Fittings, PolyTuff II Fittings.

Liquidtight Fittings

Operating Temperature**

Steel/Malleable Iron (Nut, Body, Ferrule)	−60°F to +1000°F (−51°C to +538°C).
Nylon (Gland Ring)	−40°F to +225°F (−40°C to +107°C).

Hazardous Locations - NEC Reference

Class I, Div. 2 - 501-10(A)(3)B
Class II, Div. 1 - 502-10(A)(2)
Class II, Div. 2 - 502-10(A)(3)
Class III, Div. 1 - 503-10(A)(2)
Class III, Div. 2 - 503-10(B)

Certifications

UL Listed to UL 514B
CSA Certified

*Note: *Due to the limiting factors of nylon and neoprene, PolyTuff Fittings will continuously perform in the range −30°F to +225°F (−34°C to +107°C).*
*   **Due to the limiting factors of nylon, metallic liquidtight flexible conduit fittings will continuously perform in the range of −40°F to +225°F (−40°C to +107°C).*

Straight with Male Non-Metallic Liquidtight Fittings

Trade Size (md**)	A	B	C	D Throat Dia.	E	
					Across Corners	Across Flats
¼ (10)	.93" (23.6)	1.45" (36.8)	.39" (9.9)	.32" (8.1)	.86" (Dia.) (21.8)	
⅜ (12)	1.14" (29.0)	1.63" (41.4)	.57" (14.5)	.42" (10.7)	1.41" (35.8)	1.30" (33.0)
½ (16)	1.30" (33.0)	2.14" (54.4)	.57" (14.5)	.55" (14.0)	1.41" (35.8)	1.30" (33.0)
¾ (21)	1.53" (38.9)	2.22" (56.4)	.58" (14.7)	.74" (18.8)	1.85" (47.0)	1.53" (38.9)
1 (27)	1.80" (45.7)	2.32" (58.9)	.72" (18.3)	.96" (24.4)	1.94" (49.3)	1.80" (45.7)
1¼ (35)	2.20" (55.9)	2.15" (54.6)	.74" (18.8)	1.30" (33.0)	2.38" (60.5)	2.18" (55.4)
1½ (41)	2.49" (63.2)	2.35" (59.7)	.76" (19.3)	1.46" (37.1)	2.63" (66.8)	2.43" (61.7)
2 (53)	3.05" (77.4)	2.51" (63.6)	.79" (20.1)	1.90" (48.3)	3.13" (79.5)	2.93" (74.4)

Sizes: ¼", 1¼", 1½", 2"

90° with Male Non-Metallic Liquidtight Fittings

Trade Size (md**)	A	B	C	D Throat Dia.	E	
					Across Corners	Across Flats
¼ (10)	.93" (23.6)	1.88" (47.8)	.39" (9.9)	.32" (8.1)	.86"(Dia.) (21.8)	
1¼ (35)	2.21" (56.1)	3.57" (90.7)	.74" (18.9)	1.30" (33.0)	2.38" (60.5)	2.18" (55.4)

Sizes: ³⁄₈", ½", ¾", 1"

SwivelLok® Multi-Position Liquidtight Fittings

Trade Size (md**)	A	B	C	D	E	F	G	
							Across Corners	Across Flats
⅜ (12)	1.30" (33.0)	3.27" (83.1)	.57" (14.5)	.55" (14.0)	1.43" (36.3)	2.00" (50.8)	1.41" (35.8)	1.30" (33.0)
½ (16)	1.30" (33.0)	3.27" (83.1)	.57" (14.5)	.55" (14.0)	1.43" (36.3)	2.00" (50.8)	1.41" (35.8)	1.30" (33.0)
¾ (21)	1.53" (38.9)	3.66" (93.0)	.58" (15.7)	.74" (18.8)	1.59" (40.4)	2.23" (56.6)	1.65" (41.9)	1.53" (38.9)
1 (27)	1.80" (45.7)	4.00" (101.6)	.72" (18.3)	.96" (24.4)	1.84" (46.7)	2.30" (58.4)	1.94" (49.3)	1.80" (45.7)

Note: *A/C = Across Corners, A/F = Across Flats.
  **md = metric designator.

90° Position

45° Position

Straight Position

Straight with Male Metallic Metal Fitting

Trade Size (md**)	A Ref.	B	C A/C*	A/F*	D Throat Dia.	E A/C*	A/F*
⅜ (12)	1.43" (36.3)	.59" (15.0)	1.20" (30.0)	1.06" (26.9)	.61" (15.5)	1.07" (27.2)	.93" (23.6)
½ (16)	1.43" (36.3)	.59" (15.0)	1.34" (34.0)	1.19" (30.2)	.61" (15.5)	1.22" (31.0)	1.06" (26.9)
¾ (21)	1.56" (39.6)	.59" (15.0)	1.55" (39.0)	1.37" (34.8)	.84" (21.3)	1.43" (36.3)	1.25" (31.8)
1 (27)	1.68" (42.7)	.66" (16.8)	1.95" (50.0)	1.69" (42.9)	1.06" (26.9)	1.73" (43.9)	1.56" (39.6)
1¼ (35)	2.03" (51.6)	.63" (16.8)	2.39" (61.0)	2.06" (52.3)	1.37" (34.8)	2.36" (59.9)	2.08" (52.8)
1½ (41)	2.21" (56.1)	.63" (16.8)	2.72" (69.0)	2.38" (60.5)	1.53" (38.9)	2.79" (70.9)	2.48" (63.0)
2 (53)	2.28" (57.9)	.69" (17.5)	3.08" (78.0)	2.87" (72.9)	2.06" (52.3)	3.32" (84.3)	2.90" (73.7)
2½ (63)	3.56" (90.4)	1.06" (26.9)	3.92" (100.0)	3.62" (91.9)	2.42" (61.5)	3.85" (97.8)	3.60" (91.4)
3 (78)	3.81" (96.8)	1.06" (26.9)	4.70" (119.0)	4.31" (109.5)	3.01" (76.5)	4.65" (118.1)	4.33" (110.0)
3½ (91)	3.81" (96.8)	1.06" (26.9)	5.29" (134.0)	4.81" (122.2)	3.49" (88.6)	5.18" (131.6)	4.82" (122.4)
4 (103)	3.81" (96.8)	1.06" (26.9)	5.75" (146.0)	5.31" (134.9)	3.96" (100.6)	5.75" (146.1)	5.39" (136.9)

45° with Male Metallic Metal Fitting

Trade Size (md**)	A	B	C	D A/C*	A/F*	E Throat Dia.	F A/C*	A/F*
⅜ (12)	1.19" (30.2)	1.28" (32.5)	.59" (15.0)	1.20" (30.5)	1.06" (26.9)	.60" (15.2)	1.16" (29.5)	1.02" (25.9)
½ (16)	1.19" (30.2)	1.28" (32.5)	.59" (15.0)	1.34" (34.0)	1.19" (30.2)	.61" (15.2)	1.21" (30.7)	1.06" (26.9)
¾ (21)	1.19" (30.2)	1.43" (36.3)	.59" (15.0)	1.55" (39.4)	1.45" (36.8)	.84" (21.3)	1.50" (38.1)	1.32" (33.5)
1 (27)	1.38" (35.1)	1.53" (38.9)	.66" (16.8)	1.95" (49.5)	1.69" (42.9)	1.05" (26.7)	1.82" (46.2)	1.59" (40.4)
1¼ (35)	1.42" (36.1)	1.69" (42.9)	.63" (16.0)	2.39" (60.7)	2.06" (52.3)	1.37" (34.8)	2.32" (58.9)	2.03" (5.16)
1½ (41)	1.66" (42.2)	2.00" (50.8)	.66" (16.8)	2.72" (69.1)	2.38" (60.5)	1.60" (40.6)	2.62" (66.5)	2.29" (58.2)
2 (53)	1.69" (42.9)	2.25" (57.2)	.66" (16.8)	3.08" (78.2)	2.88" (73.2)	2.05" (52.1)	3.21" (81.5)	2.80" (71.1)

90° with Male Metallic Metal Fitting

Trade Size (md**)	A	B	C A/C*	A/F*	D Ref.	E Throat Dia.	F A/C*	A/F*
⅜ (12)	1.31" (33.3)	.59" (15.0)	1.20" (30.5)	1.06" (26.9)	1.44" (36.6)	.60" (15.2)	1.13" (29.0)	.99" (25.1)
½ (16)	1.31" (33.3)	.59" (15.0)	1.34" (34.0)	1.12" (28.4)	1.44" (36.6)	.61" (15.5)	1.12" (28.0)	1.00" (25.4)
¾ (21)	1.44" (36.6)	.59" (15.0)	1.55" (39.4)	1.45" (36.8)	1.63" (41.4)	.83" (21.1)	1.48" (38.0)	1.29" (32.8)
1 (27)	1.78" (45.2)	.59" (15.0)	1.95" (49.5)	1.60" (40.6)	2.19" (55.6)	1.05" (26.7)	1.80" (46.0)	1.57" (39.9)
1¼ (35)	1.97" (50.0)	.63" (16.0)	2.39" (60.7)	2.06" (52.3)	2.50" (63.5)	1.36" (34.5)	2.32" (59.0)	2.02" (51.3)
1½ (41)	2.19" (55.6)	.63" (16.0)	2.72" (69.1)	2.38" (60.5)	2.69" (68.3)	1.61" (40.9)	2.58" (66.0)	2.25" (57.2)
2" (53)	2.53" (64.3)	.66" (16.8)	3.08" (78.2)	2.87" (72.9)	3.25" (82.6)	2.05" (52.1)	3.14" (80.0)	2.75" (69.9)
2½ (63)	3.44" (87.4)	1.00" (25.4)	3.92" (99.6)	3.63" (92.2)	4.25" (108.0)	2.42" (61.5)	3.78" (96.0)	3.50" (88.9)
3 (78)	3.75" (95.3)	1.00" (25.4)	4.70" (119.4)	4.31" (109.5)	4.87" (123.7)	3.01" (76.5)	4.64" (118.0)	4.30" (109.2)
4 (103)	4.25" (108.0)	1.00" (25.4)	5.75" (146.1)	5.31" (134.9)	5.63" (143.0)	3.96" (100.6)	5.76" (146.0)	5.38" (136.7)

*Note: *A/C = Across Corners, A/F = Across Flats.*
* **md = metric designator.*

Jacks and Connectors	AV In-Wall Enclosure and HDMI Products	Modular Snap Fit Jacks and Molded-In Voice/Data/Video

Products at a Glance

Jacks and Connectors

- NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz
- Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel
- F-Type connectors distribute high quality video signal to the workstation
- RCA connectors distribute component and composite audio and video signals from device to device

Modular Snap Fit Jacks

- Customize the jack selections and look
- Quick and secure snap-in design
- Hi impact-resistant thermoplastic frame
- Audio/Video connectors are available in standard bulkhead or recessed

In-Wall AV Delivery and HDMI Products

- 18 Gauge white powder coated rugged steel base
- 2-Gang enclosure with two 1½ and 1¼ inch KOs
- Stud or sheetrock mounting integrated
- Supplied ABS trim ring quickly cleans up sheetrock rough-in
- Optional screw on cover reduces tampering
- cULus 1863 Listed

Patch Panels and Wall Mount Brackets

- Zero-crosstalk contact structure provides the highest performance while maintaining true balance
- Rear cable manager bars maintain termination integrity
- Integrated port and panel labeling, as well as port icon attachment
- Labeling, termination and aesthetics shared across all performance categories, sizes and configurations

Molded-In Voice/Data/Video

- Decorator frames provide a stylized look for that finishing touch
- Elongated strap for better wall box mounting
- High impact-resistant thermoplastic frame
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Network Enclosures

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance
- Horizontal and vertical module mounting holes for maximum flexibility

Network and Audio/Video Modules

- netSELECT® modular components enable the designer to select performance requirements specifically for the application
- Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage
- netSELECT® video modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas

HUBBELL® Wiring Device-Kellems

Features and Benefits

Hubbell Xcelerator Jacks, Category 6, 5e and USOC

The NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz for dependable Multi-gigabit Ethernet applications. NEXTSPEED's extended bandwidth provides reliability with zero bit error rate performance for today's high speed digital communications. The Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel.

Hubbell's work area solutions and modular connectivity have many innovative features that integrate into a wide range of Hubbell products—floor boxes, patch panels, conference table boxes, fire-rated poke-throughs and wallplates.

- TIA-568.2-D Category 6 component
- IEC 60603-7-4 Category 6 component
- Qualified to 150% of IEEE 802.3bt current level
- IEEE 802.3an 10GBASE-T

HXJ6B

Housing Design
- One-piece, engineered thermoplastic housing is impact-resistant for heavy-duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use

Labor Savings
- Exclusive 1-Punch Tool, terminates within seconds

Universal Wiring
- Two distinct labels eliminate wiring confusion, T568B or T568A

IDC Lacing
- IDC towers have a blade feature to assist pair splitting during termination

Specifications
- Mating cycles: 2500
- Manufacturing: 100% factory tested

Enterprise Grade Jacks

NEXTSPEED® Category 6 Jacks

Color	Single Pack	25-Pack
Black	**HXJ6BK**	**HXJ6BK25**
Blue	**HXJ6B**	**HXJ6B25**
Electric Ivory	**HXJ6EI**	**HXJ6EI25**
Gold	–	**HXJ6GL25**
Gray	**HXJ6GY**	**HXJ6GY25**
Green	**HXJ6GN**	**HXJ6GN25**
Office White	**HXJ6OW**	**HXJ6OW25**
Orange	**HXJ6OR**	**HXJ6OR25**
Purple	–	**HXJ6P25**
Red	**HXJ6R**	**HXJ6R25**
White	**HXJ6W**	**HXJ6W25**
Yellow	**HXJ6Y**	**HXJ6Y25**

Note: Also available in 100 packs.

NEXTSPEED® Category 5e Jacks

Single Pack	25-Pack
HXJ5EBK	**HXJ5EBK25**
HXJ5EB	**HXJ5EB25**
HXJ5EEI	**HXJ5EEI25**
–	**HXJ5EGL25**
HXJ5EGY	**HXJ5EGY25**
HXJ5EGN	**HXJ5EGN25**
HXJ5EOW	**HXJ5EOW25**
HXJ5EOR	**HXJ5EOR25**
–	**HXJ5EP25**
HXJ5ER	**HXJ5ER25**
HXJ5EW	**HXJ5EW25**
HXJ5EY	**HXJ5EY25**

USOC Jacks, RJ-25

Single Pack
HXJUBK
HXJUB
HXJUEI
–
HXJUGY
HXJUGN
HXJUOW
HXJUOR
–
HXJUR
HXJUW
HXJUY

netSELECT® Jacks

Color	Category 6 Jack (single)	Category 6 Jack (25 pack)	Category 5e Jack (single)	Category 5e Jack (25 pack)	USOC Jack (single)
Black	**NSJ6BK**	**NSJ6BK25**	**NSJ5EBK**	**NSJ5EBK25**	**NSJUBK**
Blue	**NSJ6B**	**NSJ6B25**	**NSJ5EB**	**NSJ5EB25**	**NSJUB**
Gray	**NSJ6GY**	**NSJ6GY25**	**NSJ5EGY**	**NSJ5EGY25**	**NSJUGY**
Green	**NSJ6GN**	**NSJ6GN25**	**NSJ5EGN**	**NSJ5EGN25**	**NSJUGN**
Ivory	**NSJ6I**	**NSJ6I25**	**NSJ5EI**	**NSJ5EI25**	**NSJUI**
Light Almond	**NSJ6LA**	**NSJ6LA25**	**NSJ5ELA**	**NSJ5ELA25**	**NSJULA**
Orange	**NSJ6OR**	**NSJ6OR25**	**NSJ5EOR**	**NSJ5EOR25**	**NSJUOR**
Red	**NSJ6R**	**NSJ6R25**	**NSJ5ER**	**NSJ5ER25**	**NSJUR**
White	**NSJ6W**	**NSJ6W25**	**NSJ5EW**	**NSJ5EW25**	**NSJUW**
Yellow	**NSJ6Y**	**NSJ6Y25**	**NSJ5EY**	**NSJ5EY25**	**NSJUY**

Jack Icons, XJ Series

100-Pack, snaps onto jack nose

Color	Blank Catalog Number	Computer Catalog Number	Telephone Catalog Number
Black	**IBK100**	**IBK100C**	**IBK100T**
Blue	**IB100**	**IB100C**	**IB100T**
Brown	**IBN100**	**IBN100C**	**IBN100T**
Electric Ivory	**IEI100**	**IEI100C**	**IEI100T**
Gray	**IGY100**	**IGY100C**	**IGY100T**
Green	**IGN100**	**IGN100C**	**IGN100T**
Orange	**IOR100**	**IOR100C**	**IOR100T**
Purple	**IP100**	**IP100C**	**IP100T**
Red	**IR100**	**IR100C**	**IR100T**
White	**IW100**	**IW100C**	**IW100T**
Yellow	**IY100**	**IY100C**	**IY100T**

Note: Cannot be used with SJ jack series.
Custom Icon numbering and labeling available. Contact Customer Service for details.

SecureIT™ RJ-45 Port Blocker

Description	Catalog Number
Locking RJ-45 port blocker	**RJ45PB50**

Note: Fits any RJ-45 port.

Jack Dust Covers, XJ Series

Description	Catalog Number
Polypropylene, clear, 25-pack	**HXJDC25**

Note: Mounts within the icon slots located above the RJ45 opening. Cannot be used with SJ jack series.

Digital AV Connections

RJ-45 Couplers

Female to female couplers

Housing Color	Category 6, Pass-Thru	Category 5e, Pass-Thru	Category 5e, Cross Over 10/100BASE-T	Category 6, Shielded Pass-Thru	
Black	**SFC6BK**	**SFC5EBK**	–	Lead free	**SFSC6**
Gray	–	–	**SF5ECOGY**	tinned shield	
White	**SFC6W**	**SFC5EW**	–		

USB Connectors

Pass-thru, female to female couplers

Housing Color	USB 3.0, A to A	USB 3.0, A to B	USB 2.0, A to A	USB 2.0, A to B
Black	**SFUSBAA3BK**	**SFUSBAB3BK**	–	–
Blue	–	–	**SFUSBAAB**	**SFUSBABB**
Office White	–	–	**SFUSBAAOW**	**SFUSBABOW**
White	–	–	**SFUSBAAW**	**SFUSBABW**

HDMI Connectors for IMB and ISFB Series

Color	HDMI Feed-Thru	HDMI Feed-Thru Coupler	HDMI Feed-Thru 3-Inch Tail
Black	**SFHC14BK**	**HDMIC14**	**HDMIT14**
White	**SFHC14W**	–	–

HDMI Decorator Frames

Color	1-Port	2-Port
Black	**NS801BK**	**NS802BK**
Gray	**NS801GY**	**NS802GY**
Ivory	**NS801I**	**NS802I**
Light Almond	**NS801LA**	**NS802LA**
White	**NS801W**	**NS802W**

HDMI Non-Active Horizontal Patch Cords

Black, non-plenum, #24 AWG

Length (ft)	HDMI Device Patch Cords	In-Wall Cords (Male w/ Screw to Male w/ Screw)	Patch Cords (Male to Male w/ Secure Screw)	Coupler Cords (Male to Female)
3	**HDPC03BK**	–	–	–
6	**HDPC06BK**	–	–	–
10	–	**HDH10BK**	**HDL10BK**	**HDC10BK**
15	–	**HDH15BK**	**HDL15BK**	**HDC15BK**
20	–	**HDH20BK**	**HDL20BK**	**HDC20BK**
25	–	**HDH25BK**	**HDL25BK**	**HDC25BK**
30	–	**HDH30BK**	**HDL30BK**	**HDC30BK**

Video Connections

F-Type Connectors

Pass-thru, F/F coupler

	Nickel		Gold			
Color	2GHz	netSELECT F-Type Coupler Bulkhead, Female to Female	3GHz	2GHz	Recessed	RCA to F-Connector
Almond	**SFFALX**	–	**SFF3GAL**	**SFFGAL**	–	–
Black	**SFFBX**	**NSF70BK**	**SFF3GBK**	**SFFGBK**	**SFGRFBK**	**SFRFGBK**
Gray	**SFFGX**	**NSF70GY**	**SFF3GGY**	**SFFGGY**	**SFGRFGY**	**SFRFGGY**
Ivory	**SFFEX**	**NSF70I**	**SFF3GEI**	**SFFGEI**	**SFGRFEI**	**SFRFGEI**
Office White	**SFFX**	**NSF70LA**	**SFF3GOW**	**SFFGOW**	**SFGRFOW**	**SFRFGOW**
White	**SFFWX**	**NSF70W**	**SFF3GW**	**SFFGW**	**SFGRFW**	**SFRFGW**

F-Connector Plugs

25-pack

Termination Type	Cable Type	Catalog Number.
Compression	RG6	**FRG625**

Blank Connectors

10-pack

Color	Blank Connector	Smooth Blank Connector
Almond	**SFBAL10**	**SFSBAL10**
Black	**SFBB10**	**SFSBBK10**
Gray	**SFBG10**	**SFSBGY10**
Ivory	**SFBE10**	**SFSBEI10**
Light Almond	–	**SFSBLA10**
Office White	**SFB10**	–
White	**SFBW10**	**SFSBW10**

Screw Terminal

	HD 9-Pin	HD 15-Pin	HD 15-Pin, Front Mount
10-Pack	**9ST10**	**15ST10**	**SF15ST**

Gender Changers

Female to female couplers

	15-Pin, 90°	HD 9-Pin	HD 15-Pin
Single Pack	**15901**	–	–
10-Pack	–	**9GC10**	**15GC10**

S-Video Connectors

Transmits video information over a cable by dividing the signal into two separate signals (chrominance) for color and (luminance) for brightness. Applications include cable, satellite, DVD, camera, camcorder, projector, home theater, entertainment systems, security, and surveillance.

Color	S-Video 110 Punch-Down	S-Video F/F Coupler
Black	**SFSV110BK**	**SFSVBK**

AV Connections

RCA Connectors, Solder Termination

Housing Color	Insulator Color						
	Black	Blue	Green	Orange	Red	White	Yellow
Almond	–	SFRCBAL	SFRCGNAL	SFRCORAL	SFRCRAL	SFRCWAL	SFRCYAL
Black	SFRCBKBK	SFRCBBK	SFRCGNBK	SFRCORBK	SFRCRBK	SFRCWBK	SFRCYBK
Gray	SFRCBKGY	SFRCBGY	SFRCGNGY	SFRCORGY	SFRCRGY	SFRCWGY	SFRCYGY
Ivory	SFRCBKEI	SFRCBEI	SFRCGNEI	SFRCOREI	SFRCREI	SFRCWEI	SFRCYEI
Office White	–	SFRCBOW	SFRCGNOW	SFRCOROW	SFRCR	SFRCW	SFRCY
White	SFRCBKW	SFRCBW	SFRCGNW	SFRCORW	SFRCRW	SFRCWW	SFRCYW

RCA Connectors, Pass-Thru, Recessed

Housing Color	Insulator Color						
	Black	Blue	Green	Orange	Red	White	Yellow
Almond	SFRCBKRAL	SFRCBRAL	SFRCGNRAL	SFRCORRAL	SFRCRRAL	SFRCWRAL	SFRCYRAL
Black	SFRCBKRBK	SFRCBRBK	SFRCGNRBK	SFRCORRBK	SFRCRRBK	SFRCWRBK	SFRCYRBK
Gray	SFRCBKRGY	SFRCBRGY	SFRCGNRGY	SFRCORRGY	SFRCRRGY	SFRCWRGY	SFRCYRGY
Ivory	SFRCBKREI	SFRCBREI	SFRCGNREI	SFRCORREI	SFRCRREI	SFRCWREI	SFRCYREI
Office White	SFRCBKROW	SFRCBROW	SFRCGNROW	SFRCORROW	SFRCRROW	SFRCWROW	SFRCYROW
White	SFRCBKRW	SFRCBRW	SFRCGNRW	SFRCORRW	SFRCRRW	SFRCWRW	SFRCYRW

RCA Connectors, Pass-Thru, Gold, Female to Female Coupler

Housing Color	Insulator Color						
	Black	Blue	Green	Orange	Red	White	Yellow
Almond	SFRCBKFFAL	SFRCBFFAL	SFRCGNFFAL	SFRCORFFAL	SFRCRFFAL	SFRCWFFAL	SFRCYFFAL
Black	SFRCBKFFBK	SFRCBFFBK	SFRCGNFFBK	SFRCORFFBK	SFRCRFFBK	SFRCWFFBK	SFRCYFFBK
Gray	SFRCBKFFGY	SFRCBFFGY	SFRCGNFFGY	SFRCORFFGY	SFRCRFFGY	SFRCWFFGY	SFRCYFFGY
Ivory	SFRCBKFFEI	SFRCBFFEI	SFRCGNFFEI	SFRCORFFEI	SFRCRFFEI	SFRCWFFEI	SFRCYFFEI
Office White	SFRCBKFF	SFRCBFFOW	SFRCGNFFOW	SFRCORFFOW	SFRCRFF	SFRCWFF	SFRCYFF
White	SFRCBKFFW	SFRCBFFW	SFRCGNFFW	SFRCORFFW	SFRCRFFW	SFRCWFFW	SFRCYFFW

Audio Connections

3.5mm Stereo Jacks

Color	3.5mm to Solder	3.5mm to Screw Terminal	3.5mm Pass-Thru, F/F Coupler	3.5mm Pass-Thru, Gold, F/F Coupler
Almond	**SF35SJAL**	**SF35STAL**	**SF35FFAL**	**SF35GFFAL**
Black	**SF35SJBK**	**SF35STBK**	**SF35FFBK**	**SF35GFFBK**
Gray	**SF35SJGY**	**SF35STGY**	**SF35FFGY**	**SF35GFFGY**
Ivory	**SF35SJEI**	**SF35STEI**	**SF35FFEI**	**SF35GFFEI**
Office White	**SF35SJ**	**SF35STOW**	**SF35FFOW**	**SF35GFFOW**
White	**SF35SJW**	**SF35STW**	**SF35FFW**	**SF35GFFW**

1/4" Stereo Jack

Solder

Color	Catalog Number
Almond	**SF14SJAL**
Black	**SF14SJBK**
Gray	**SF14SJGY**
Ivory	**SF14SJEI**
Office White	**SF14SJOW**
White	**SF14SJW**

BNC Connectors

Color	Nickel Finish	Gold Finish
Black	**SFBBK**	**SFBGBK**
Gray	**SFBGY**	**SFBGGY**
Ivory	**SFBEI**	**SFBGEI**
Light Almond	**SFBLA**	**SFBGLA**
Office White	**SFBOW**	**SFBGOW**
White	**SFBW**	**SFBGW**

Speaker Post Connectors

Screw termination, gold

Color	Black	Red
Almond	**SFSPGBKAL**	**SFSPGRAL**
Black	**SFSPGBKBK**	**SFSPGRBK**
Gray	**SFSPGBKGY**	**SFSPGRGY**
Ivory	**SFSPGBKEI**	**SFSPGREI**
Office White	**SFSPGBK**	**SFSPGR**
White	**SFSPGBKW**	**SFSPGRW**

Speaker Banana Plugs

Screw termination, gold

	Black	Red
10-pack	**SPPBK10**	**SPPR10**

RCA Connectors, 110 Punch-Down

Extend up to 75ft (23m) over single 4-pair UTP cable; housing color is black

Insulator Color	Catalog Number
Blue	**SFRC110B**
Green	**SFRC110GN**
Red	**SFRC110R**
White	**SFRC110W**
Yellow	**SFRC110Y**

3.5mm to 110 Termination Stereo Jacks

Extend up to 75ft (23m) over single 4-pair UTP cable

Color	3.5mm to 110 Termination
Black	**SF35110BK**

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Hubbell iSTATION Wallplates

IFP Wallplates with Label Fields, 1 and 2-Gang

	1-Gang					2-Gang		
Color	1-Port	2-Port	3-Port	4-Port	6-Port	6-Port	9-Port	12-Port
Almond	**IFP11AL**	**IFP12AL**	**IFP13AL**	**IFP14AL**	**IFP16AL**	**IFP26AL**	–	–
Black	**IFP11BK**	**IFP12BK**	**IFP13BK**	**IFP14BK**	**IFP16BK**	**IFP26BK**	**IFP29BK**	**IFP212BK**
Gray	**IFP11GY**	**IFP12GY**	**IFP13GY**	**IFP14GY**	**IFP16GY**	**IFP26GY**	**IFP29GY**	**IFP212GY**
Ivory	**IFP11EI**	**IFP12EI**	**IFP13EI**	**IFP14EI**	**IFP16EI**	**IFP26EI**	**IFP29EI**	**IFP212EI**
Light Almond*	**IFP11LA**	**IFP12LA**	**IFP13LA**	**IFP14LA**	**IFP16LA**	**IFP26LA**	**IFP29LA**	**IFP212LA**
Office White	**IFP11OW**	**IFP12OW**	**IFP13OW**	**IFP14OW**	**IFP16OW**	**IFP26OW**	**IFP29OW**	**IFP212OW**
White	**IFP11W**	**IFP12W**	**IFP13W**	**IFP14W**	**IFP16W**	**IFP26W**	**IFP29W**	**IFP212W**

*Note: *Light Almond wallplates match Office White non-metallic raceway, boxes, jacks and connectors.*

Multimedia Nylon Wallplates, 1-Gang

	1-Gang				
Color	1-Port	2-Port	3-Port	4-Port	6-Port
Black	**NSP11BK**	**NSP12BK**	**NSP13BK**	**NSP14BK**	**NSP16BK**
Gray	**NSP11GY**	**NSP12GY**	**NSP13GY**	**NSP14GY**	**NSP16GY**
Ivory	**NSP11I**	**NSP12I**	**NSP13I**	**NSP14I**	**NSP16I**
Light Almond	**NSP11LA**	**NSP12LA**	**NSP13LA**	**NSP14LA**	**NSP16LA**
White	**NSP11W**	**NSP12W**	**NSP13W**	**NSP14W**	**NSP16W**

Stainless Steel Wallplates without Label Fields, 1 and 2-Gang

	1-Gang					2-Gang		
	1-Port	2-Port	3-Port	4-Port	6-Port	4-Port	6-Port	9-Port	12-Port
Catalog Number	**SSF11**	**SSF12**	**SSF13**	**SSF14**	**SSF16**	**SSF204**	**SSF206**	**SSF209**	**SSF212**

Stainless Steel Wallplates with Label Fields

1-Gang	Catalog Number
1-Port	**SSFL11**
2-Port	**SSFL12**
3-Port	**SSFL13**
4-Port	**SSFL14**
6-Port	**SSFL16**

Duplex and Decorator Wallplates with Label Fields

Color	Duplex Wallplate	Decorator Wallplate
Almond	**IFP18AL**	**IFP126AL**
Office White	**IFP18OW**	**IFP126OW**

Stainless Steel Wall Mount Phone Plates, 1-Gang

630 Stainless steel, 1-gang wall phone plate.

Jack Format	Includes Gray Jack	Catalog Number
Flush	6-position USOC, RJ25	**SPUF**
Flush	8-position Cat. 5e, RJ45	**SP5EF**
Flush	8-position Cat. 6, RJ45	**SP6F**
Recessed	6-position USOC, RJ25	**SPUR**
Recessed	8-position Cat. 5e, RJ45	**SP5ER**
Recessed	8-position Cat. 6, RJ45	**SP6R**

SPUF   **SPUR**

Opening
Hole size for mounting all Hubbell Jacks.

A: .575" (14.61)
B: .676" (17.17)

Hubbell iSTATION Outlet Frames and Secure-IT Plates

Decorator Frames, Unloaded

Color	1-Gang, 1-Port	1-Gang, 2-Port	1-Gang, 3-Port	1-Gang, 4-Port	1-Gang, 6-Port	1-Gang, Adapter .406" (10.30) Dia. Hole*	1-Gang, Adapter Blank**
Black	NS611BK	NS612BK	NS613BK	NS614BK	NS616BK	—	NS620BK
Gray	NS611GY	NS612GY	NS613GY	NS614GY	NS616GY	—	NS620GY
Ivory	NS611I	NS612I	NS613I	NS614I	NS616I	NS621I	NS620I
Light Almond	NS611LA	NS612LA	NS613LA	NS614LA	NS616LA	NS621LA	NS620LA
White	NS611W	NS612W	NS613W	NS614W	NS616W	NS621W	NS620W

*Note: *For use with rotary dimmers or to pull through AV or telephone cable.*
**To fill an extra decorator opening or to create customized openings.

Decorator HD15/9-Pin or HDMI Frames, Unloaded

Color	HD15/9 or HDMI	(2) HD15/9 or HDMI	(1) Recessed HD15/9 or HDMI
Almond	ISFB15AL	ISFB215AL	ISFBR15AL
Black	ISFB15BK	ISFB215BK	ISFBR15BK
Gray	ISFB15GY	ISFB215GY	ISFBR15GY
Ivory	ISFB15EI	ISFB215EI	ISFBR15EI
Light Almond*	ISFB15LA	ISFB215LA	ISFBR15LA
Office White	ISFB15OW	ISFB215OW	ISFBR15OW
White	ISFB15W	ISFB215W	ISFBR15W

*Note: *Light Almond frames match Office White non-metallic raceway, boxes, jacks and connectors.*

Duplex Outlet Frames, Unloaded

Color	2-Port	4-Port
Almond	BR106AL	Q106AL
Black	BR106B	Q106B
Gray	BR106G	Q106G
Ivory	BR106E	Q106E
Office White	BR106C	Q106O
White	BR106W	Q106W

Secure-IT Plates

Secure-IT Plates protect mated and unmated connections from physical damage and unauthorized tampering. Available in Tamper-Resistant and Weatherproof versions.

Tamper-Resistant Plates

Color	1-Gang/4-Port
Black	TPF1BK
Gray	TPF1GY
Office White	TPF1OW
White	TPF1W

TPF1W

NEMA 3R Weatherproof Plates

Color	1-Gang/4-Port
Gray	TWPF1GY

TWPF1GY

AV 110 Everywhere™ Analog AV Over UTP

Tamper-Resistant Receptacle with 5V DC Power Output

Description	Color	Catalog Number
USB charger TR receptacle, (1) USB port 3A, switched 5V DC output, 15A, 125V AC decorator duplex	Black	**AVPS15BK**
	Ivory	**AVPS15I**
	Gray	**AVPS15GY**
	Office White	**AVPS15LA**
	White	**AVPS15W**

USB 2.0 High Speed 110 Extenders, 100ft

Description	Color	1.5 Unit Module
4-pair UTP cable installation, up to 100ft (305m)	Black	**IMU11015BK**
	Ivory	**IMU11015EI**
	Gray	**IMU11015GY**
	Office White	**IMU11015OW**
	White	**IMU11015W**

Note: Product consists of send and receive pair.

HDMI 1080P 110 UTP Extenders

(2) 4-pair UTP cable installation, 5V DC, up to 147ft (45m)

Color	Decorator	2 Unit Module
Black	**ISFH110BK**	**IMH110ST2BK**
Ivory	**ISFH110EI**	**IMH110ST2EI**
Gray	**ISFH110GY**	**IMH110ST2GY**
Office White	**ISFH110OW**	**IMH110ST2OW**
White	**ISFH110W**	**IMH110ST2W**

Note: Product consists of send and receive pair.

VGA and 3.5mm HD AV Extender

Extend up to 75ft (23m) over two 4-pair UTP cables, 1.5 unit

Color	Catalog Number
Black	**IM15311015BK**
Gray	**IM15311015GY**
Ivory	**IM15311015EI**
Office White	**IM15311015OW**
White	**IM15311015W**

Note: Product consists of send and receive pair.

RCA Component with Audio 110 Audio/Video Modules

Extend up to 75ft (23m) over (2) 4-pair UTP cables, 1.5 unit

Color	RCA Component Video, Left/Right Audio	RCA Component Video, 3.5mm Audio
Black	**IMCAR11015BK**	**IMC3511015BK**
Gray	**IMCAR11015GY**	**IMC3511015GY**
Ivory	**IMCAR11015EI**	**IMC3511015EI**
Office White	**IMCAR11015OW**	**IMC3511015OW**
White	**IMCAR11015W**	**IMC3511015W**

RCA 110 Audio/Video Modules

Extend up to 100ft (30.5m) over (1) 4-pair UTP cables, 1 unit

	75ft (23m) max.	100ft (30.5m) max.	
Color	RCA Component Video, HD	RCA Composite Video, Left/Right Audio	RCA Left/Right Audio
Black	**IMCR1101BK**	**IMR1101BK**	**IMAR1101BK**
Gray	**IMCR1101GY**	**IMR1101GY**	**IMAR1101GY**
Ivory	**IMCR1101EI**	**IMR1101EI**	**IMAR1101EI**
Office White	**IMCR1101OW**	**IMR1101OW**	**IMAR1101OW**
White	**IMCR1101W**	**IMR1101W**	**IMAR1101W**

AV Modules

Solder Audio/Video Modules

Color	1.5 Unit RCA Component Video with Left/Right Audio or RGBHV	1 Unit RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Composite Video, 3.5mm Stereo Audio Jack
Black	IMCRS15BK	IMCRS1BK	IM3RS1BK	IMRSJ1BK
Gray	IMCRS15GY	IMCRS1GY	IM3RS1GY	IMRSJ1GY
Ivory	IMCRS15EI	IMCRS1EI	IM3RS1EI	IMRSJ1EI
Office White	IMCRS15OW	IMCRS1OW	IM3RS1OW	IMRSJ1OW
White	IMCRS15W	IMCRS1W	IM3RS1W	IMRSJ1W

Gold Pass-Through Audio/Video Modules

Color	Female to female coupler, 1 unit RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Left/Right Audio with 3.5mm Stereo Audio Jack	Speaker post Black and Red, Screw Termination
Black	IMCRF1BK	IM3RF1BK	IM35AR1BK	IMSP1BK
Gray	IMCRF1GY	IM3RF1GY	IM35AR1GY	IMSP1GY
Ivory	IMCRF1EI	IM3RF1EI	IM35AR1EI	IMSP1EI
Office White	IMCRF1OW	IM3RF1OW	IM35AR1OW	IMSP1OW
White	IMCRF1W	IM3RF1W	IM35AR1W	IMSP1W

Speaker Banana Plugs

Screw termination, gold	Black	Red
10-pack	SPPBK10	SPPR10

HUBBELL® Wiring Device-Kellems

Wallplate Frames, Delivery Bezels, Modules and Gangable AV Wallboxes

Hubbell iSTATION Modular Wallplate Frames

Single-service, low voltage

Color	1-Gang	2-Gang	3-Gang	4-Gang
Black	IMF1BK	IMF2BK	IMF3BK	IMF4BK
Gray	IMF1GY	IMF2GY	IMF3GY	IMF4GY
Ivory	IMF1EI	IMF2EI	IMF3EI	IMF4EI
Office White	IMF1OW	IMF2OW	IMF3OW	IMF4OW
White	IMF1W	IMF2W	IMF3W	IMF4W

Multi-service, power and low voltage

Color	1-Gang Decorator 1-Gang iSTATION	2-Gang Decorator	1-Gang Decorator 2-Gang iSTATION	1-Gang Decorator 3-Gang iSTATION	2-Gang Decorator 2-Gang iSTATION
Black	IMFP1D1BK	IMFP2BK	IMFP1D2BK	IMFP1D3BK	IMFP2D2BK
Gray	IMFP1D1GY	IMFP2GY	IMFP1D2GY	IMFP1D3GY	IMFP2D2GY
Ivory	IMFP1D1EI	IMFP2EI	IMFP1D2EI	IMFP1D3EI	IMFP2D2EI
Office White	IMFP1D1OW	IMFP2OW	IMFP1D2OW	IMFP1D3OW	IMFP2D2OW
White	IMFP1D1W	IMFP2W	IMFP1D2W	IMFP1D3W	IMFP2D2W

Hubbell iSTATION Stainless Steel Plates

1-Gang	2-Gang	3-Gang	4-Gang
IMSS1	IMSS2	IMSS3	IMSS4

Delivery Bezels and Modules

Color	Raceway Bezel	Hubbell iSTATION Bezel for Third-Party Raceway	Furniture Boxes
Black	–	–	HBLIMFBK
Gray	KPIMBZGY	HWAPLGY	HBLIMFGY
Ivory	–	–	HBLIMFI
Office White	KPIMBZOW	HWAPLOW	–
White	–	HWAPLW	HBLIMFWA

Third-Party Raceway Modules

Unloaded, 2-port, 10-pack

Color	Catalog Number
Black	HWM2KBK10
Gray	HWM2KGY10
Ivory*	HWM2KI10
White	HWM2KW10

Note: *Equivalent to Hubbell Office White.

Two and Three Gangable AV Wallboxes

Box	Dimensions	Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
2-Gang, 2" KO, 54in³ capacity	H: 4.21" W: 4.06" D: 4.0"	(2) ½" (2) ½" – ¾" TKO*	(1) 1", 1¼", 1½" & 2"	(2) ½" – ¾" TKO	HBL985
3-Gang, 2" KO, 79in³ capacity	H: 4.21" W: 5.87" D: 4.0"	(3) ½" (3) ½" – ¾" TKO*	(1) ½" (1) ½" – ¾" TKO* (1) 1", 1¼", 1½" & 2"	(3) ½" – ¾" TKO	HBL986

Note: *TKO (Tangential Knockout).

Low Voltage AV Wallbox Partitions

Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider	1	HBL989
	With pass-thru capability	1	HBL989AVD

Modules and Frames

HD15/9-Pin or HDMI Modules

Color	1 Unit	1.5 Unit		2 Unit
	HD15/9-Pin or HDMI	Angled, HD15/9-Pin or HDMI	HD15/9-Pin or HDMI with 3.5mm Stereo Jack*	HD15/9-Pin or HDMI with 3.5mm SJ+AV Conn
Black	**IMBDS1BK**	**IMBDSA15BK**	**IMB15315BK**	**IMB153X2BK**
Gray	**IMBDS1GY**	**IMBDSA15GY**	**IMB15315GY**	**IMB153X2GY**
Ivory	**IMBDS1EI**	**IMBDSA15EI**	**IMB15315EI**	**IMB153X2EI**
Office White	**IMBDS1OW**	**IMBDSA15OW**	**IMB15315OW**	**IMB153X2OW**
White	**IMBDS1W**	**IMBDSA15W**	**IMB15315W**	**IMB153X2W**

*Note: *Screw termination or solder.*

DVI Modules

DVI Blank, Unloaded, 1.5 Unit

Color	1-Pack	10-Pack
Black	**IMBDVI15BK**	**IMBDVI1015BK**
Gray	**IMBDVI15GY**	**IMBDVI1015GY**
Ivory	**IMBDVI15EI**	**IMBDVI1015EI**
Light Almond	**IMBDVI15LA**	**IMBDVI1015LA**
Office White	**IMBDVI15OW**	**IMBDVI1015OW**
White	**IMBDVI15W**	**IMBDVI1015W**

Modules

Color	1 Unit		1.5 Unit			
	Flat, 1-Port	Flat, 2-Port	Angled, 1-Port	Angled, 2-Port	Recessed, Angled, 1-Port	Recessed, Angled, 2-Port
Black	**IM1K1BK**	**IM2K1BK**	**IM1KA15BK**	**IM2KA15BK**	**IM1IA15BK**	**IM2IA15BK**
Gray	**IM1K1GY**	**IM2K1GY**	**IM1KA15GY**	**IM2KA15GY**	**IM1IA15GY**	**IM2IA15GY**
Ivory	**IM1K1EI**	**IM2K1EI**	**IM1KA15EI**	**IM2KA15EI**	**IM1IA15EI**	**IM2IA15EI**
Office White	**IM1K1OW**	**IM2K1OW**	**IM1KA15OW**	**IM2KA15OW**	**IM1IA15OW**	**IM2IA15OW**
White	**IM1K1W**	**IM2K1W**	**IM1KA15W**	**IM2KA15W**	**IM1IA15W**	**IM2IA15W**

Blank Modules

Color	0.5 Unit	1 Unit	1.5 Unit
Black	**IMB05BK**	**IMB1BK**	**IMB15BK**
Gray	**IMB05GY**	**IMB1GY**	**IMB15GY**
Ivory	**IMB05EI**	**IMB1EI**	**IMB15EI**
Office White	**IMB05OW**	**IMB1OW**	**IMB15OW**
White	**IMB05W**	**IMB1W**	**IMB15W**

SC Angled Modules

1.5 Unit, 1 Duplex	2 Unit, 2 Duplex
IM1SCA15BK	**IM2SCA2BK**
IM1SCA15GY	**IM2SCA2GY**
IM1SCA15EI	**IM2SCA2EI**
IM1SCA15OW	**IM2SCA2OW**
IM1SCA15W	**IM2SCA2W**

Hubbell iSTATION Audio/Video Modules

XLR, speakON® and ¼ inch modules applications include video distribution, desktop and laptop computers, monitors, cameras, microphones and projectors, home theater and entertainment. Note: Order IMAVB15 series blank modules with AV connectors for Hubbell iSTATION applications.

Color	AV Blank 1.5 Unit, 10-Pack	XLR Screw Terminal, 10-Pack	XLR Solder-Type, 10-Pack	speakON® Conn. Solder-Type, 10-Pack	USB Feed-Thru A-to-B, 10-Pack	¼" Stereo Jack Solder-Type, 10-Pack
Black	**IMAVB15BK**	**XLRST10**	**XLR10**	**SC10**	**USB10**	**14S10**
Gray	**IMAVB15GY**					
Ivory	**IMAVB15EI**					
Office White	**IMAVB15OW**					
White	**IMAVB15W**					

*Note: *Not UL Listed.*

speakON® is a registered trademark of Neutrik® AG.

Hubbell iSTATION Surface Mount Boxes

Ideal for open office MUTOA cabling, compact surface mount environments and retrofits to support data, voice and multimedia applications. Features adjustable furniture latches to provide an additional mounting option to common ANSI/TIA standard furniture openings and solutions requiring fiber. Box bases feature fiber storage posts that can store one meter fiber cable after termination.

Can be mounted with supplied surface mounting screws or double-sided adhesive tape and mounted to NEMA electric boxes or relay racks.

Features

- Low-profile design
- Accepts XJ jacks, audio video and fiber connectors
- Provided with double-sided tape and mounting screws for easy installation
- UL and cULus listed
- Constructed with a high-impact resistant, flame-retardant polymer
- ANSI/TIA-606B compliant

ISB12OW

ISB Surface Mount Boxes

Color	1-Port	2-Port	4-Port	6-Port	12-Port
Black	**ISB1BK**	**ISB2BK**	**ISB4BK**	**ISB6BK**	**ISB12BK**
Electric Ivory	**ISB1EI**	**ISB2EI**	**ISB4EI**	**ISB6EI**	**ISB12EI**
Gray	**ISB1GY**	**ISB2GY**	**ISB4GY**	**ISB6GY**	**ISB12GY**
Office White	**ISB1OW**	**ISB2OW**	**ISB4OW**	**ISB6OW**	**ISB12OW**
White	**ISB1W**	**ISB2W**	**ISB4W**	**ISB6W**	**ISB12W**

UL Plenum Rated ISB Surface Mount Boxes

Color	1-Port	2-Port
Black	**ISB1BKP**	**ISB2BKP**
Ivory	**ISB1EIP**	**ISB2EIP**
Gray	**ISB1GYP**	**ISB2GYP**
Office White	**ISB1OWP**	**ISB2OWP**
White	**ISB1WP**	**ISB2WP**

Note: ISB surface mount boxes are not compatible with SJ shielded jacks.

Non-Metallic Raceway Compatibility Chart

Series	PP	PL	PW	PB
ISB1	✓			✓*
ISB2	✓			✓*
ISB4	✓	✓	✓	✓*
ISB6	✓	✓	✓	✓*
ISB12	✓	✓	✓	✓*

*Note: *Use PB3REDA transition fitting.*
See section T for Raceway product information.

PP1 = PREMISETRAK Latching Raceway
PL1 = LANTRAK® Latching Raceway
PW2 = WALLTRAK® Latching Raceway
PB2 = BASETRAK® Non-Latching Raceway
PB3 = BASETRAK Non-Latching Raceway
PS3 = SUPER BASETRAK® Non-Latching Raceway

Universal Patch Panels and Wall Mount Brackets

HP5E12

HP612

Consolidation Point Block, Category 6 and Category 5e

Description	Catalog Number
Category 6, 12-Port, Universal, 89D.	**HP612**
Category 5e, 12-Port, Universal, 89D.	**HP5E12**

Universal Patch Panel, Category 5e

Description	Catalog Number
24-Port, 1.75" H.	**HP5E24**
48-Port, 3.50" H.	**HP5E48**
96-Port, 7.0" H.	**HP5E96**

HP5E24

Universal Patch Panel, Category 6

Description	Catalog Number
24-Port, 1.75" H.	**HP624**
48-Port, 3.50" H.	**HP648**
96-Port, 7.0" H.	**HP696**

HP5E48

Jack Panel, Unloaded

Description	Catalog Number
Wall Mount, 12-Port, Black.	**HPJ1289**
Rack Mount, 24-Port, 1.75" H, Black.	**NSPJ24**
Rack Mount, 48-Port, 3.5" H, Black.	**NSPJ48**

NSPJ24

Rear Cable Management Bar*

Description	Catalog Number
Screws to the rear flange of a 19-inch rack.	**CMBR**
HPW panel mount.	**HPRCMB**

*Note: *Not UL Listed.*

CMBR

HPWWB2U4

HPWWB4U8

Wall Mount Brackets, Bottom-Hinged

Includes assembled bottom-hinged wall bracket.

Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number
1	19" (483)	4" (102)	1.75" (45)	**HPWWB1U4**
2	19" (483)	4" (102)	3.50" (89)	**HPWWB2U4**
		8" (203)	3.50" (89)	**HPWWB2U8**
4	19" (483)	4" (102)	7.00" (178)	**HPWWB4U4**
		8" (203)	7.00" (178)	**HPWWB4U8**
6	19" (483)	4" (102)	10.50" (267)	**HPWWB6U4**
		8" (203)	10.50" (267)	**HPWWB6U8**
		18" (457)	10.50" (267)	**HPWWB6U18**

HPWWB6U18

Wall Mount Brackets, Side-Hinged

Includes assembled side-hinged wall bracket.

Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number
2	19" (483)	4" 102)	3.50" (89)	**BRMCCMB19X35X4**
4	19" (483)	4" (102)	7.00" (178)	**BRMCCMB19X7X4**
2	19" (483)	8" (203)	3.50" (89)	**BRMCCMB19X35X8**
4	19" (483)	8" (203)	7.00" (178)	**BRMCCMB19X7X8**

BRMCCMB19X7X4

Features and Benefits

NSC Patch Cords

- Conductor: #24 AWG UTP
- Jacket: Flame-Retardant PVC-CM Rated
- Plug Body: Polycarbonate UL 94V-0
- Plug Boot: PVC
- Contact Plating: 50 micro-inch Gold

Housing Design
- Category 6 performance
- Slim snagless boot for high density ports
- PoE ready

Performance, Mechanical
- Cable to plug tensile strength: 20+ lbs.
- Mating cycles: 2000+

NSC Patch Cords, Category 6

Length (ft)	Color			
	Black	Blue	Gray	White
1'	NSC6BK01	NSC6B01	NSC6GY01	NSC6W01
3'	NSC6BK03	NSC6B03	NSC6GY03	NSC6W03
5'	NSC6BK05	NSC6B05	NSC6GY05	NSC6W05
7'	NSC6BK07	NSC6B07	NSC6GY07	NSC6W07
10'	NSC6BK10	NSC6B10	NSC6GY10	NSC6W10
15'	NSC6BK15	NSC6B15	NSC6GY15	NSC6W15

NSC6B01

NSC Patch Cords, Category 5e

Length (ft)	Color			
	Black	Blue	Gray	White
1'	NSC5EBK01	NSC5EB01	NSC5EGY01	NSC5EW01
3'	NSC5EBK03	NSC5EB03	NSC5EGY03	NSC5EW03
5'	NSC5EBK05	NSC5EB05	NSC5EGY05	NSC5EW05
7'	NSC5EBK07	NSC5EB07	NSC5EGY07	NSC5EW07
10'	NSC5EBK10	NSC5EB10	NSC5EGY10	NSC5EW10
15'	NSC5EBK15	NSC5EB15	NSC5EGY15	NSC5EW15

NSC5EW01

Features and Benefits

AV In-Wall Enclosure

Hubbell's netSELECT® Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- 18 Gauge white powder coated rugged steel base
- 2 and 4-gang enclosure with two 1½ and 1¼ inch KOs
- Optional screw on cover reduces tampering
- cULus 1863 Listed

NSAV124M

Box Design
- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management

Mounting
- Multiple device mounting options
- 1½" And 1¼" conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough-in

FPTV Connection Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
2-gang in-wall enclosure.	8.16" (207)	7.92" (201)	3.37" (86)	White	**NSAV62M**
4-gang in-wall enclosure.	14.80" (376)	7.92" (201)	3.37" (86)	White	**NSAV124M**
Steel cover for NSAV6 series.	7.2" (183)	7.2" (183)	0.05" (1)	White	**NSAV6C**
Steel cover for NSAV12 series.	13.80" (351)	7.2" (183)	0.05" (1)	White	**NSAV12C**
Block wall adapter.					**NSAV6BW**
New work stud brackets.					**NSAV6NW**

NSAV6C

Accessories

Power Kits

Description	Color	Catalog Number
Standard power kit.	White	**NSOKPTR**
Surge protected power kit.	Blue	**NSOKPS**

NS801W

Unloaded Wallplates and Frames

1-gang blank wallplate.	White	**NP14W**
1-gang decorator wallplate.	White	**NP26W**
1-gang Hubbell iSTATION wallplate.	White	**IMF1W**
1-gang 4-port wallplate.	White	**NSP14W**

NSOKPS

NP26W

AV Connectors and Wallplates

1-port HDMI frame.	White	**NS801W**
2-port HDMI frame.	White	**NS802W**
HDMI snap fit.	White	**SFHC14W**
F-connector snap fit.	White	**NSF70W**
USB A-to-B snap fit.	White	**SFUSBABW**
Cat 6 snap fit jack.	White	**NSJ6W**

Note: See pages Y-4 to Y-8 for snap fit multimedia jacks and AV connectors.

SFHC14W

NSJ6W

HDMI Products

AV Ceiling Enclosure

The AV Ceiling Enclosure is designed to work with active AV devices to integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. An additional AV/data kit can be added or customized to address all connector, mounting and patching needs, reducing multiple pieces on site.

• Manage multiple applications inside one enclosure

• Flush mounted, white enclosure for consistent look when mounted in the ceiling

• Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box

• All steel rugged construction provides the ultimate strength for installation

AVCE1H

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
AV Ceiling Enclosure	12" (305)	24" (610)	8" (203)	White	**AVCE1H**

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.

HDMI Decorator Frames

netSELECT® HDMI Decorator Frames deliver uncompromising digital audio and video wherever you need it. Unleash the full potential of your high definition display and audio installations.

• Third party tested for 1080p resolutions

• UL Listed - Communications Circuit Accessory and CSA Certified

NS801W

Frame Design

• High impact thermoplastic frame

• Connector flush to frame face

Connector

• Thumbscrew prevents accidental disconnection only when used with Hubbell's HDMI patch cords

• Connector sized to fit 1 inch conduit

• 4 inch flexible extension reduces bend radius issues in confined spaces

HDMI Products

Description	Color	1-Gang, 1-Port	1-Gang, 2-Port
HDMI,	Black	**NS801BK**	**NS802BK**
Decorator Frame,	Gray	**NS801GY**	**NS802GY**
Female to Female	Ivory	**NS801I**	**NS802I**
	Light Almond	**NS801LA**	**NS802LA**
	Office White	**NS801OW**	**NS802OW**
	White	**NS801W**	**NS802W**

NS801W   **NS802W**

HDMI Patch Cords, #24 AWG

Length	HDMI Device Patch Cords	Length	Horizontal Cords (Connector to Connector)	Length	Link Cords (Connector to Device)	Length	Coupler Cords (Coupler to Device)
3 ft.	**HDPC03BK**	10 ft.	**HDH10BK**	10 ft.	**HDL10BK**	10 ft.	**HDC10BK**
6 ft.	**HDPC06BK**	15 ft.	**HDH15BK**	15 ft.	**HDL15BK**	15 ft.	**HDC15BK**
		20 ft.	**HDH20BK**	20 ft.	**HDL20BK**	20 ft.	**HDC20BK**
		25 ft.	**HDH25BK**	25 ft.	**HDL25BK**	25 ft.	**HDC25BK**
		30 ft.	**HDH30BK**	30 ft.	**HDL30BK**	30 ft.	**HDC30BK**

Note: Black and Non-Plenum only.

Advantages and Wiring Layout

Connect Your Home to Internet, Voice and Video Services

netSELECT® is an innovative network solution that's perfect for any home or small office. Specifically positioned as the voice/data segment for the Residential brand, the netSELECT® System satisfies the need for a dependable, flexible system that can accommodate all of today's fast-changing voice, data and video requirements.

This cost-effective solution incorporates all the quality you'd expect from Hubbell. Built-in flexibility makes it easy to upgrade and keep pace with evolving technologies.

- Share single analog, cable or DSL internet connection
- Local file access
- Shared peripherals
- Multiple telephone distribution

- Call handling (PBX)
- Video distribution
- Play games that allow multi-users
- Control home automation systems

Today's Communications Entail A Lot More Than Just Talking.
netSELECT® Keeps You Connected—Internet, Voice, Data and Entertainment

Network Enclosures

Features

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance (except NSOBOX48)
- Horizontal and vertical module mounting holes for maximum flexibility
- Unique 89D bracket mounting holes allow easy mounting of 66 blocks and peripherals

- Provisions to mount optional duplex power and lock kit available
- Integral cable management slots and tie-wraps provided to help dress cable runs
- Additional nylon push pins provided to assist module mounting
- Material: 20-18 gauge steel
- Finish: white, powder coat
- cULus Listed 1863

Network Enclosures

Pre-Configured Network System

Description	Catalog Number
Pre-Configured Network System	**NSOBNK14**
Basic home network kit includes:	
One box with hinged cover NSOBOX14,	
One primary 8-port telephone module NSOPTM8,	
One four way coaxial splitter module NSOVM4	

NSOBX10

10 Inch Network Enclosure for MDU and Modular Applications

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	No. of Module Placement	Catalog Number
With hinged cover	11.55" (293)	15.65" (398)	4.08" (104)	3	**NSOBX10**
With panel cover	11.07" (281)	–	4.08" (104)	3	**NSOBX10BC**
10"H box only	10.07" (256)	14.38" (365)	3.96" (101)	3	**NSOBX10B**
Hinged door	11.55" (293	15.65" (398)	0.58" (15)	–	**NSOBX10D**
Panel cover	11.07" (281)	15.50" (594)	0.20" (5)	–	**NSOBX10C**

14 Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	No. of Module Placement	Catalog Number
With hinged cover	15.55" (395)	15.65" (398)	4.08" (104)	5	**NSOBOX14**
With panel cover	15.10" (384)	15.54" (395)	4.08" (104)	5	**NSOBOX14BC**
14"H box only	14.00" (356)	14.38" (365)	3.96" (101)	5	**NSOBOX14B**
Hinged door	15.55" (395)	15.65" (398)	0.33" (8)	–	**NSOBOX14D**
Vented door (louver)	15.55" (395)	15.65" (398)	0.52" (15)	–	**NSOBOX14DL**
Panel cover	15.11" (384)	15.54" (395)	0.20" (5)	–	**NSOBOX14C**
2"D extension bracket with ventilation and WiFi KOs	15.30" (389)	15.57" (395)	2.00" (51)	–	**NSOBOX14X2**

NSOBOX14

28 Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	No. of Module Placement	Catalog Number
With hinged cover	29.55" (751)	–	–	11	**NSOBOX28**
With panel cover	29.13" (740)	15.54" (395)	4.08" (104)	11	**NSOBOX28BC**
28"H box only	28.00" (711)	14.38" (365)	3.96" (101)	11	**NSOBOX28B**
Hinged door	29.55" (751	15.65" (398)	0.33" (8)	–	**NSOBOX28D**
Vented door* (louver)	29.55" (751	15.65" (398)	0.52" (15)	–	**NSOBOX28DL**
Panel cover	29.29" (744)	15.54" (395)	0.20" (5)	–	**NSOBOX28C**
2"D extension bracket with ventilation and WiFi KOs	29.3" (744)	15.57" (395)	2.00" (51)	–	**NSOBOX28X2**

48 Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	No. of Module Placement	Catalog Number
With hinged cover	48.94" (1243)	14.94" (379)	4.07" (103)	21	**NSOBOX48***
Trim ring					**NSOBOX48R**

*Note: *Door covers rough-in, no trim ring provided.*

NSOBOX28

Network Modules

Features

netSELECT® Modular Components enable the designer to select performance requirements specifically for the application. Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage.

- Dimensions: 6.47 in. W x 2.95 in. H, except NSOMTM24 6.47 in. W x 6.00 in. H
- Meets FCC Part 68 standard
- Material: High impact plastic
- cULus Listed 1863
- All data and phone modules 568A wired

NSOTVDM6

Combination Modules

Description	Units	Catalog Number
6-port telephone panel and 6-port coaxial splitter with optional 6-port Category 5e panel provides voice, video, and data distribution in a space efficient package; perfect for use with NSOBOX10 and NS790xx plates to quickly establish a comprehensive home network.		
6-port telephone and video	3	**NSOTVM6**
6-port telephone, video and Category 5e	3	**NSOTVDM6**
6-port Category 5e data upgrade kit	3	**NSODK6**

NSOPTM8

Primary Telephone Module

Description	Units	Catalog Number
8-port phone outlets with up to (4) incoming lines for voice, fax or modem applications in a protected PCB module; pre-mounted push pins snap the module quickly into place; RJ31X interface jack included for security system connection; RJ45 jack interfaces with optional NSOETM8 telephone expansion module for additional extensions.	1	**NSOPTM8**

NSOETM8

Expansion Telephone Module

Description	Units	Catalog Number
8-port adds an additional (8) phone outlets with up to (4) incoming lines when used with the primary telephone module; pre-mounted push pins snap the module quickly into place; includes RJ45 jumper cord to connect with NSOPTM8 primary telephone module.	1	**NSOETM8**

NSODM8

Data Modules

Description	Units	Catalog Number
Category 5e data module, 8-port supports Gigabit Ethernet for up to (8) Category 5e data lines with front 110 punch-down terminations in a protected PCB module; pre-mounted push pins snap the module quickly into place.	1	**NSODM8**
Category 6 data module, 8-port supports enhanced transmission speeds beyond Gigabit Ethernet; future-proof for tomorrow's applications.	1	**NSODM8C6**

NSOMTM24

Patchable Telecom Module

Description	Units	Catalog Number
Terminates lines via modular plug to accommodate flexibility, by changing plug locations; reconfigure where phone lines go at the panel level; allows data lines to be converted to voice, with the move of a patch cord; includes nine RJ45 jumper cords.	2	**NSOMTM24**

NSOMTM12

Multi-Provider Patchable Telcom Module

Description	Units	Catalog Number
12-port telephone module distributes 4 incoming lines out to 12 locations through RJ-45 jacks; allows data lines to be converted to voice with the move of a patch cord; RJ31X interface jack is included for security system connection.	1	**NSOMTM12**

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Audio/Video Modules

Features

netSELECT® Video Modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas. Pre-mounted push pins snap the module quickly into place.

- Dimensions for VAMP, AM8 and BM: 6.47 in. W x 2.95 in. H
- Dimensions for video splitters: 6.47 in. W x 2.09 in. H x 3.20 in. D
- Material: High impact plastic
- cULus Listed 1863

4-Way Coaxial Splitter Modules

One incoming line, four outgoing.

Description	Units	Catalog Number
1GHz, basic unit	1	**NSOVM4**
2.3GHz, enhanced capability	1	**NSOVM42G**

NSOVM4

6-Way Coaxial Splitter Modules

One incoming line, six outgoing.

Description	Units	Catalog Number
1GHz, basic unit	1	**NSOVM6**
2.3GHz, enhanced capability	1	**NSOVM62G**

NSOVM6

8-Way Coaxial Splitter Modules

One incoming line, eight outgoing.

Description	Units	Catalog Number
1GHz, basic unit	1	**NSOVM8**
2.3GHz, enhanced capability	1	**NSOVM82G**

NSOVM8

Fixed Video Amplifier Module

120 Volt rated

Description	Units	Catalog Number
Provides 10dB video signal amplification for incoming cable feeds recommended for use when more than four outputs are installed or when signal level is low; provides 10dB forward path gain and supports current digital cable systems and modems with a passive return; pre-mounted push pins snap the module quickly into place; includes RG-59 cable jumper to connect amplifier to passive video splitter.	1	**NSOVAMP**

NSOVAMP

Eight Room Audio Module

Description	Units	Catalog Number
Distributes audio from an amplifier to matching volume controllers; supports up to eight rooms of audio; power handling – 200W RMS@20° C; requires impedance matching volume controls (see page Y-24).	1	**NSOAM8**

NSOAM8

Blank Module Plate

Description	Units	Catalog Number
Allows mounting of active components (i.e. switches, routers) or other devices (66 blocks, audio components) onto a modular platform; can be custom drilled or used with two self-adhesive VELCRO® strips included to mount components onto module; pre-mounted push pins snap the module quickly into place.	1	**NSOBM**

NSOBM

VELCRO® is a registered trademark of Velcro Industries B.V.

Accessories

Features

netSELECT® Accessories enhance system capabilities. Volume controls expand home audio applications. Cabinet mounted receptacle kits provide convenience power to the enclosure.

- Audio controls available in slide or rotary
- Receptacles available in surge and standard kits

NSOSAVC

NSORAVC

NSOKPS

FLOCK1

NSOFSB

FSPFP6X

FSPHD6X

Accessories

Description	Color	Catalog Number
Slide Audio Volume Controller, Decorator Styling, Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white slides and frames.	Ivory/White	**NSOSAVC**
Rotary Audio Volume Controller Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white knobs and frames.	Ivory/White	**NSORAVC**
Standard Power Kit, Includes tamper-resistant duplex receptacle 15A 125V NEMA 5-15R, electrical steel box and wallplate.		**NSOKPTR**
Surge Suppression Power Kit, Includes surge receptacle 15A 125V NEMA 5-15R, 240 Joules/15,000A protection per mode, electrical steel box and wallplate.		**NSOKPS**
Chromed Steel Lock Kit, Includes two keys. Eliminates unwanted tampering.		**FLOCK1**
Panel Bracket Adapter, For use with Adapter Panels shown below, and FSP series modules. Snap mounts into structured cabling enclosures.		**NSOFSB**
F-Connector Adapter Panel, with Six Populated Coaxial Connectors.		**FSPFP6X**
Jacks Adapter Panel, with Six Blank Openings for jacks and snap fits.		**FSPHD6X**

Molded-In Voice/Data/Video

Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor	Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor	Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor	Decorator Frame, One Cat. 5e 110 Punch-Down, One RJ11 Jack, 6-Position, 4-Conductor
Color	Screw Terminations	Screw Terminations	Screw Terminations	110 Punch-Down/Screw Terminations
Black	**NS770BK**	—	—	**NS784BK**
Brown	**NS770**	**NS771**	—	**NS784**
Gray	**NS770GY**	—	—	**NS784GY**
Ivory	**NS770I**	**NS771I**	**NS772I**	**NS784I**
Light Almond	**NS770LA**	**NS771LA**	**NS772LA**	**NS784LA**
White	**NS770W**	**NS771W**	**NS772W**	**NS784W**

Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female
Color	Screw Terminations	Screw Terminations	110 Punch-Down Terminations
Black	—	—	**NS785BK**
Brown	—	—	**NS785**
Gray	—	—	**NS785GY**
Ivory	**NS780I**	**NS783I**	**NS785I**
Light Almond	**NS780LA**	**NS783LA**	**NS785LA**
White	**NS780W**	**NS783W**	**NS785W**

Molded-In Plates

Features

Designed for voice, these devices provide an economical alternative to wall phone outlet placement.

- High impact-resistant thermoplastic wallplate
- Convenient screw down terminals
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Plates for Voice

Description	1-Gang Plate, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations		1-Gang Plate, One RJ11 Jack, 6-Position, 6-Conductor, Screw Terminations	1-Gang Plate, Duplex RJ11 Jacks, 6-Position, 4-Conductor, Screw Terminations	
Color	Standard	Mid-Size	Standard	Standard	Mid-Size
Brown	**NS730**	**NS735**	**NS732**	—	—
Ivory	**NS730I**	**NS735I**	**NS732I**	—	**NS745I**
Light Almond	**NS730LA**	**NS735LA**	**NS732LA**	—	—
White	**NS730W**	**NS735W**	**NS732W**	—	**NS745W**

Molded-In Plates for Voice and CATV/Satellite

Description	1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 6-Conductor		1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 4-Conductor	1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female		1-Gang Plate, Duplex F-Type Coupler Bulkhead, Female to Female
Color	Standard	Mid-Size	Standard	Standard	Mid-Size	Standard
Ivory	**NS748I**	**NS755I**	**NS747I**	**NS750I**	**NS751I**	**NS752I**
Light Almond	**NS748LA**	**NS755LA**	**NS747LA**	**NS750LA**	**NS751LA**	**NS752LA**
White	**NS748W**	**NS755W**	**NS747W**	**NS750W**	**NS751W**	**NS752W**

Description	1-Gang Plate, One Cat. 5e 110 Punch-Down One RJ11 Jack, 6-Position, 4-Conductor One F-Type Coupler Bulkhead, Female to Female
Color	Standard
Black	**NS790BK**
Brown	**NS790**
Gray	**NS790GY**
Ivory	**NS790I**
Light Almond	**NS790LA**
White	**NS790W**

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Telephone Wall Jacks

Features

Designed for voice applications, these jacks provide an economical alternative to basic wall mount and performance needs.

- Available in high impact-resistant thermoplastic or stainless steel
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

Telephone Wall Jacks

Description	Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations
Ivory	**NS722I**
White	**NS722W**

Description	Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations
Stainless Steel	**NS726SS**

Features

Telephone surface mount jacks are available in 4 or 6-conductor configurations for voice. Alternatively, multimedia surface mount boxes can be custom loaded for computer and media use.

- High impact-resistant thermoplastic
- Mounts using screws or double sided tape (both included)
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Telephone Surface Mount Jacks

Description	Telephone Surface Mount Jack, 6-Position, 4-Conductor, Screw Terminations	Multimedia 1-Port Surface Mount Box, Jack Not Included	Multimedia 2-Port Surface Mount Box, Jacks Not Included
Black	—	**ISB1BK***	**ISB2BK***
Gray	—	**ISB1GY***	**ISB2GY***
Ivory	**NS760I**	**ISB1EI***	**ISB2EI***
Office White	—	**ISB1OW***	**ISB2OW***
White	**NS760W**	**ISB1W***	**ISB2W***

*Note: *cULus Listed 1863 - Communication Circuit Accessory.*
See pages Y-4 to Y-8 for snap fit multimedia jacks and AV connectors.

Standard UTP Wiring Conventions

Horizontal UTP Cable and Patch Cords

- Solid copper 4-pair #24 or better AWG UTP is specified for distribution cabling. Stranded UTP is specified for patch cords for flexibility. Shielded cable is not commonly used in the U.S. splices and bridge taps are not permitted.
- Cable, connectors and patch cords shall be marked with the performance category. Always match performance categories of cables and components throughout the infrastructure.
- All cable, cords and connecting hardware shall meet performance requirements of ANSI/TIA/EIA-568-C.1 and 568-C.2. Hubbell assures this compliance with all products and cable partners.

COLOR CODING:

white-blue/blue

white-orange/orange

white-green/green

white-brown/brown

Recognized Connector and Wiring Configurations

- 8-position modular jack/plug.
- 8-position modular panel/plug.
- T568A wiring or T568B wiring options.
- Cat. 5e or Cat. 6 recommended.

RJ45 - TIA-568 Conventions

Two wiring standards were adopted. Both configurations provide equivalent transmission performance.

T568A

- Preferred method
- Directly compatible with 2-pair voice and Token Ring systems utilizing 6-position connectors

T568B

- Optional method
- AT&T's standard
- Directly compatible with AT&T phone systems

LAN Wiring Conventions

Local Area Network standards designed to operate over UTP specify pin/pair assignments on modular connectors for various signal transmission protocols. While TIA/EIA-568A and 568B conventions support all of these designations, there are some cases where the user chooses to cable only the number of pairs required to support these applications.

10/100BASE-T
- 10 Mbps Ethernet over UTP
- 100 Mbps Ethernet

Token Ring
- 4/16 Mbps Token Ring over copper

TP-PMD
- 100 Mbps FDDI over copper (pending)

1000BASE-T (T568A)
- 1000 Mbps/10Gb Ethernet over UTP
- Uses all four pairs

Decorator Products

USB Charger Receptacles and Outlets

Power Delivery

tradeSELECT® Products

Products at a Glance

Decorator Devices
- Smooth, quiet rocker switches
- Nightlight version is available
- Tamper and weather resistant availability
- Multiple-drive Slot/Phillips/Robertson head screws
- Ultrasonically welded cover and base
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

iDevices Products
- Wall Switch, Dimmer Switch & Instant Switch
- Instinct™ Switch with Built-In Alexa
- Tamper-Resistant Wall Outlet
- Low profile Thermostat
- Easy installation
- Customizable LED
- Fits any standard decorator wallplate

Wireless Wall Mount Phone Chargers
- Single gang outlet replacement
- Qi certified
- Two inductive coils for optimum target area and charging
- Flexible holder: 7.5mm to 12.5mm deep to hold phone firmly in place
- Phone can be inserted vertical or horizontal
- Green LED indicates power available
- Blue LED indicates wireless charging

GFCI Receptacles
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output

Passive Infrared Wall Switches and Timers
- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and Ashrae 90.1 compliant
- cULus

USB Charger Receptacles
- Weather resistant receptacles
- Type-C, Type A&C and Type A port configurations available
- Two USB ports 5 Amp, 5V DC
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- Standard and Hospital grade
- cULus listed to UL498 and UL1310

4 Port USB Outlets
- Switch activated port door; when open enables power; when closed, all power is switched OFF, for a "zero" no-load draw

Power Delivery
- Hubbell Pop-Up receptacles for countertops provide a power source ideal for kitchen or bath counters and islands
- Round non-metallic floor boxes for concrete floors
- Height adjustable wood floor boxes
- Drop-In floor boxes are perfect for quick and easy installations
- Under cabinet/counter power distribution boxes can also be placed under counter islands or kitchen cabinets
- JLOAD® multimedia outlet Isolates low voltage and power in the same box

Decorator Quiet Rocker Switches

Decorator Products - Smart Style, Good Looks

Residential Decorator Switches and Receptacles provide solid, dependable performance and more.
Indeed, they are fashion statements, masterfully complementing the look and feel of any room in any home.

Single Pole Decorator Quiet Rocker Switches

Description	Single Pole	Single Pole, Illuminated	Single Pole, Pilot Light	Single Pole with Nightlight	Single Pole with ON/OFF Marking
Termination	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire
Rating	15A 120-277V AC	15A 120V AC	15A 120V AC	20A 120-277V AC	15A 120-277V AC
Black	**RSD115BK**	—	—	**DS120NLBK****	—
Brown	**RSD115**	—	—	**DS120NLBR****	—
Gray	**RSD115GY**	—	—	**DS120NLGY****	—
Ivory	**RSD115I**	**RSD115ILI***	**RSD115PLI****	**DS120NLIV****	**RSD115IM**
Light Almond	**RSD115LA**	**RSD115ILLA***	**RSD115PLLA****	**DS120NLLA****	**RSD115LAM**
White	**RSD115W**	**RSD115ILW***	**RSD115PLW****	**DS120NLWH****	**RSD115WM**

Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.
  **Light glows through the top portion of the rocker when switch is in the OFF position. Requires a neutral wire.

RSD115W

Double Pole, Three Way and Four Way Decorator Quiet Rocker Switches

Description	Double Pole	Three Way	Three Way, Illuminated	Four Way
Termination	Self-Grounding, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Back and Side Wire
Rating	15A 120-277V AC	15A 120-277V AC	15A 120V AC	15A 120-277V AC
Black	**RSD215BK**	**RSD315BK**	—	**RSD415BK**
Brown	**RSD215**	**RSD315**	—	**RSD415**
Gray	**RSD215GY**	**RSD315GY**	—	**RSD415GY**
Ivory	**RSD215I**	**RSD315I**	**RSD315ILI***	**RSD415I**
Light Almond	**RSD215LA**	**RSD315LA**	**RSD315ILLA***	**RSD415LA**
White	**RSD215W**	**RSD315W**	**RSD315ILW***	**RSD415W**

Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.

RSD115PLW

Rocker Weatherproof Series

Hubbell designs and manufactures these weatherproof switches for wet and damp applications.

- 20 Amp 120/277V AC
- Single Pole / 3-Way Capable
- NEMA TYPE 3R

DS120NLWH

Style Line® Decorator Weatherproof Series

Description		Color	Single Pole / Three Way
Rocker, weatherproof, self-grounding, 20A, 120/277V AC, back and side wired.		Gray	**RSD120WPGY**
		Light Almond	**RSD120WPLA**
		White	**RSD120WPW**

RSD120WPW

Dimensions in Inches (mm)

tradeSELECT® Products

Decorator Combination Quiet Rocker Switches/Devices

Features

- Low profile, less than 1 inch deep
- Self-grounding feature is standard
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

Combination Quiet Rocker Switches/Devices

Description	Three (3) Single Pole Switches	Two (2) Single Pole Switches	Single Pole and Three Way Switch	Single Pole Switch, 2 Pole, 3 Wire Receptacle
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120-277V AC	15A 120-277V AC	15A 120-277V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R
Black	—	RCD101BK	RCD103BK	RCD108BK
Gray	—	RCD101GY	RCD103GY	RCD108GY
Ivory	RCD111I	RCD101I	RCD103I	RCD108I
Light Almond	RCD111LA	RCD101LA	RCD103LA	RCD108LA
White	RCD111W	RCD101W	RCD103W	RCD108W

Description	Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Two (2) Three Way Switches	Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120-277V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R
Black	RCD108BKTR	RCD303BK	RCD308BKTR
Gray	RCD108GYTR	—	RCD308GYTR
Ivory	RCD108ITR	RCD303I	RCD308ITR
Light Almond	RCD108LATR	RCD303LA	RCD308LATR
White	RCD108WTR	RCD303W	RCD308WTR

Description	Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb	Nightlight Only
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, 6" Pre-wired Stranded Wire, ½" Stripped Ends
Rating	15A 120V	15A 120V	120V
Ivory	RCD109I**	RCD309I**	DD100NLIV**
Light Almond	RCD109LA**	RCD309LA**	DD100NLLA**
White	RCD109W**	RCD309W**	DD100NLWH**

Note: See page Tech-10 for Tamper-Resistant description.
   **Requires neutral wire.

RCD111W

RCD101W

RCD108W

RCD109W

Pilot Light Wiring Diagram

DD100NLWH

Dimensions in Inches (mm)

Decorator Weather Resistant, Tamper-Resistant, Standard and Single Receptacles

Decorator Duplex Receptacles, 2 Pole, 3 Wire

Description	Weather and Tamper-Resistant	Tamper-Resistant	Standard	Standard
Termination	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	**RRD15SBKWRTR**	**RRD15SBKTR**	**RRD15SBK**	**RRD15BK**
Brown	**RRD15SWRTR**	**RRD15STR**	**RRD15S**	**RRD15**
Gray	**RRD15SGYWRTR**	**RRD15SGYTR**	**RRD15SGY**	**RRD15GY**
Ivory	**RRD15SIWRTR**	**RRD15SITR**	**RRD15SI**	**RRD15I**
Light Almond	**RRD15SLAWRTR**	**RRD15SLATR**	**RRD15SLA**	**RRD15LA**
White	**RRD15SWWRTR**	**RRD15SWTR**	**RRD15SW**	**RRD15W**

RRD15SWTR

Description	Tamper-Resistant, Nightlight Receptacle	Tamper-Resistant	Tamper-Resistant, Without Ears**
Termination	Self-Grounding, Two Nightlight Sources for 0.5 Lumens Total, Back and Side Wired	Self-Grounding, Eight Push Wire Holes Only #14 AWG	Self-Grounding, Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	—	**RRD15EBKTR**	**RRD15KBKTR**
Brown	—	**RRD15ETR**	**RRD15KTR**
Gray	—	**RRD15EGYTR**	**RRD15KGYTR**
Ivory	**DR15NLIV**	**RRD15EITR**	**RRD15KITR**
Light Almond	**DR15NLLA**	**RRD15ELATR**	**RRD15KLATR**
White	**DR15NLWH**	**RRD15EWTR**	**RRD15KWTR**

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.
  **100 per case, bulk packed. Mounting screws inserted into strap.

RRD15SW

DR15NLWH

Decorator Single Receptacles, 2 Pole, 3 Wire

Description	Tamper-Resistant	Tamper-Resistant	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R
Black	**RRD151BKTR**	**RRD201BKTR**	**RRD201BK**
Brown	**RRD151TR**	**RRD201TR**	**RRD201**
Gray	**RRD151GYTR**	**RRD201GYTR**	**RRD201GY**
Ivory	**RRD151ITR**	**RRD201ITR**	**RRD201I**
Light Almond	**RRD151LATR**	**RRD201LATR**	**RRD201LA**
White	**RRD151WTR**	**RRD201WTR**	**RRD201W**

RRD151W

Description	Standard	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 250V NEMA 6-15R	20A 250V NEMA 6-20R
Black	**RRD155BK**	**RRD205BK**
Brown	**RRD155**	**RRD205**
Gray	**RRD155GY**	**RRD205GY**
Ivory	**RRD155I**	**RRD205I**
Light Almond	**RRD155LA**	**RRD205LA**
White	**RRD155W**	**RRD205W**

Note: See page Tech-10 for Tamper-Resistant description.

RRD205W

Dimensions in Inches (mm)

🌀 iDevices®

Features and Benefits

iDevices - Make the Everyday Extraordinary

A truly smart home does more than connect homeowners — it works for them. With iDevices' advanced smart home products, homeowners experience an unparalleled level of comfort, convenience, and security every day.

The iDevices Advantage

iDevices products give homeowners the power to control their entire living space with the iDevices Connected app, or their voice using Siri®, Amazon Alexa, and the Google Assistant.

Works with **Apple HomeKit** | WORKS WITH **alexa** | works with the **Google Assistant** | Works with **IFTTT**

iDevices makes it simple to evolve any home into a smart home. Products connect to home Wi-Fi networks without the need for a separate hub. iDevices automatically update over-the-air so homeowners always have access to the latest features.

WI-FI® & BLUETOOTH™ ENABLED | **GUIDED IN-APP SETUP** | **2-YEAR WARRANTY** | **VOICE CONTROL**

NO HUB REQUIRED | **CONCIERGE SUPPORT** | **STANDARD INSTALLATION** | **REMOTE ACCESS**

Wall Switch
- Customizable LED
- Compatible with most standard light bulbs
- Wall switch uses rocker for ON/OFF
- Fits any standard decorator wallplate

Instant Switch
- Remote locate an additional switch wirelessly
- Works with compatible iDevices products
- No wiring necessary
- Battery powered

Dimmer Switch
- CFL/LED: 150W - Supports forward-phase dimming only
- Customizable LED
- Compatible with most standard light bulbs
- Dimmer switch uses rocker for ON/OFF adjustable dimming

Instinct™ Switch with Built-In Alexa
- Intergrated voice control
- Remote access
- Premium SOEN® Audio
- Dual-microphone design
- Customizable LED
- Single-pole, ON/OFF

Wall Outlet
- Replaces any standard receptacle
- Customizable LED
- Energy monitoring
- Tamper-Resistant
- Fits any standard decorator wallplate

Thermostat
- Low profile size and shape
- LED color display
- Capacitive touch faceplate
- 7-day programmable
- Displays Fahrenheit or Celsius
- Humidifier/dehumidifier control

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

iDevices®

The iDevices Wall Switch and Dimmer Switch replace standard light switches, allowing homeowners to control lighting with their smart phone or voice.

The iDevices Wall Outlet replaces any standard outlet and includes two Wi-Fi enabled receptacles controlled independently by voice or smart phone.

The iDevices Instant Switch pairs via Bluetooth™ to iDevices products like Wall Switch and Dimmer Switch to create 3- and 4-way control without additional wiring; or to Wall Outlet receptacles for switched control of electrical accessories.

The iDevices Thermostat allows homeowners to control the temperature from anywhere, set schedules to increase efficiency, and use voice commands for ease and comfort.

Instinct™ is both a smart light switch and Alexa device, giving homeowners the freedom of hands-free home control without countertop clutter. Homeowners have the ability to control Instinct, iDevices product, and other Alexa-enabled devices with voice commands to Alexa. In addition, homeowners can stream music, get traffic and weather alerts, set reminders and alarms, shop, and more.

iDevices Products

Description	Color	Rating	Catalog Number
Wall Switch, multi-way enabled, single pole, 3- and 4-way setup operation	White	Input/output: 15A 120V AC, 6.5A 277V AC, 50/60Hz, 1HP @ 120 & 277V AC	**IDEV0008HW**
Dimmer Switch, multi-way enabled, CFL/LED, supports forward-phase dimming, single pole, 3- and 4-way setup operation	White	Input/output: 15A 120V AC, 60Hz, 400W Incandescent/halogen, 150W CFL/LED	**IDEV0009HW**
Wall Outlet, 15 amp tamper-resistant receptacle, individual control of each outlet with energy monitoring on both outlets	White	Input/output: 15A 125V AC, 60Hz, 1/2 HP	**IDEV0010HW**
Instant Switch, wireless transmitter, takes 1 CR2032 coin cell battery, wallplate included	White	3V DC, 5.4mA	**IDEV0020**
Instinct™ Switch with Built-In Alexa, features premium SOEN® Audio technology, speaker and microphone, wallplate included	White	Input/output: 120V AC, 60Hz, 150W CFL/LED, 600W Incandescent, 1000 Resistive, ½HP @ 120V AC	**IDEV0022**
Thermostat, heating/cooling: 1 and 2 stages, heat pump: 1 and 2 stage with aux or emergency heat, fan control, converts to Fahrenheit or Celsius	White	24V systems	**IDEV0005AND5**

Everything You Love About Your Home, In One App®

Designed from the perspective of the user, the iDevices connected app provides simple navigation that feels just like moving through your home. Control and schedule your iDevices products with any iOS or Android™ device, and enjoy the flexibility of using your voice through Siri®, Amazon Alexa or the Google Assistant.

iDevices Connected App Features

- Easy setup process for creating your home and adding new products
- Intuitive user interface makes it simple to navigate through your home
- Customizable through photos, names and dynamic scenes
- Access your home from anywhere through the iDevices IoT cloud infrastructure
- Supports other HomeKit™ products

tradeSELECT® Products

Features and Benefits

Single and Combination Wireless Wall Mount Phone Charger and USB Outlet

More Ways to Charge Faster with Hubbell's line of Wireless Wall Mount Chargers, available in Single and Combination Type A&C with a USB high power output of 5 Amp 5 Volt DC. Hubbell provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

- Single gang outlet replacement
- Qi certified
- Two inductive coils for optimum target area and charging
- Flexible holder: 7.5mm to 12.5mm deep to hold phone firmly in place
- Phone can be inserted vertical or horizontal
- Green LED indicates power available
- Blue LED indicates wireless charging
- Additional USB cord charging capability
- 15A or 20A 125V tamper-resistant receptacle with USB

No Cord, No Problem!

Qi

The 'Qi' symbol is a trademark of the Wireless Power Consortium.

67% Charged

Wireless Wall Mount Charger

Housing Design
- Qi Certified
- 7.5 Watt capacity
- 125 Volt input
- Flexible holder: 7.5mm to 12.5mm deep to hold phone firmly in place

Visual Identification
- Two inductive coils for optimum target area and charging
- Phone can be inserted vertical or horizontal
- Green LED indicates power available
- Blue LED indicates wireless charging

Easy Installation
- Single gang outlet replacement
- Sub-plate and mounting bracket
- Wallplate cover snaps into place

Combination Wireless Wall Mount Charger

Housing Design
- Qi Certified
- 7.5 Watt capacity
- Type A&C port configurations, 15A or 20A 125V Tamper-Resistant decorator duplex receptacle
- Flexible holder: 7.5mm to 12.5mm deep to hold phone firmly in place

Visual Identification
- Two inductive coils for optimum target area and charging
- Phone can be inserted vertical or horizontal
- Green LED indicates power available
- Blue LED indicates wireless charging

Easy Installation
- Single gang outlet replacement
- Mounting bracket
- Wallplate cover snaps into place

The 'Qi' symbol is a trademark of the Wireless Power Consortium.

---

tradeSELECT® Products

Qi Certified Wireless Chargers

Description	Color	Rating	Catalog Number	
Wireless Wall Mount Phone Charger	White	Coil: 7.5 watt Inductive, 125 volt input	**USB1518**	
			Receptacle: 15A 125V	Receptacle: 20A 125V
Combination Wireless Wall Mount Phone Charger Inductive coil with USB Type A&C ports, and tamper-resistant receptacle	White	Coil: 7.5 watt Inductive, USB: 5A 5V DC	**USB1528AC**	**USB2028AC**

USB1518 **USB1528AC** **USB2028AC**

Dimensions

Single Wireless Wall Mount Phone Charger

2.92 [74.0], 5.05 [128.1], 1.35 [34.3], .95 [24.2], 4.44 [112.9], 3.28 [83.3], 1.49 [37.8], .29 [7.3]

Combination Wireless Wall Mount Phone Charger

5.89 [149.6], 4.63 [117.5], 5.05 [128.1], 4.38 [111.3], 1.44 [36.5], 3.28 [83.4], .28 [7.0]

Mounting Installation

Single Wireless Wall Mount Phone Charger

1) Screw in wall box 2) Terminate wires
3) Screw on sub-plate 4) Snap on wallplate 5) No cord, No problem!

Combination Wireless Wall Mount Phone Charger

1) Terminate wires 2) Screw on sub-plate
3) Snap on wallplate 4) No cord, No problem!

tradeSELECT® Products

Features and Benefits

USB Charger Receptacles and Outlets

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

The 4 Port and 2 Port Charger Outlet feature a USB port door, which when open enables power. When closed, all power is switched OFF. This eliminates all current flow for a "zero" no-load draw. Buildings looking to provide 100% green efficiency in power delivery will maximize LEED and energy efficient design.

Common Features

- LED ON to indicate USB and line voltage power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products

Type-C USB Charger
- Two Type-C port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle

Type A&C USB Charger
- One Type A and one Type-C port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle

Type A USB Charger
- Two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle

Weather Resistant Type A&C USB Charger
- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light

4 Port USB Charger
- 4 Port outlet, 5 Amp, 5V DC, Type-C, Type A&C and Type A class 2.0
- Switch activated port door; when open enables power. When closed, all power is switched off, for a "zero" no-load draw

Switch Combo Outlets
- Two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/ 3-way switch

Apple® is a registered trademark of Apple Inc.   *NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

USB Charger Receptacles and Outlets

Weather Resistant Receptacle Features

- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Type A&C USB ports
- Power indicating green LED light

USB15AC5WWR

Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle,	Black	**USB15AC5BKWR**	**USB20AC5BKWR**
One Type A and one Type-C port	Brown	**USB15AC5WR**	**USB20AC5WR**
configurations, high power 5 Amp,	Gray	**USB15AC5GYWR**	**USB20AC5GYWR**
5 Volt USB output, Tamper-Resistant	Ivory	**USB15AC5IWR**	**USB20AC5IWR**
USB ports rated 10,000 cycles;	Light Almond	**USB15AC5LAWR**	**USB20AC5LAWR**
Commercial Grade	White	**USB15AC5WWR**	**USB20AC5WWR**

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

Standard USB Charger
Tamper-Resistant Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type-C USB Charger Receptacle,	Black	**USB15C5BK**	**USB20C5BK**
two Type-C port configurations,	Brown	**USB15C5**	**USB20C5**
high power 5 Amp, 5 Volt USB output.	Gray	**USB15C5GY**	**USB20C5GY**
	Ivory	**USB15C5I**	**USB20C5I**
	Light Almond	**USB15C5LA**	**USB20C5LA**
	White	**USB15C5W**	**USB20C5W**
Type A&C USB Charger Receptacle,	Black	**USB15AC5BK**	**USB20AC5BK**
one Type A and one Type-C port configuration,	Brown	**USB15AC5**	**USB20AC5**
high power 5 Amp, 5 Volt USB output.	Gray	**USB15AC5GY**	**USB20AC5GY**
	Ivory	**USB15AC5I**	**USB20AC5I**
	Light Almond	**USB15AC5LA**	**USB20AC5LA**
	White	**USB15AC5W**	**USB20AC5W**
Type A USB Charger Receptacle,	Black	**USB15A5BK**	**USB20A5BK**
two Type A port configurations,	Brown	**USB15A5**	**USB20A5**
high power 5 Amp, 5 Volt USB output.	Gray	**USB15A5GY**	**USB20A5GY**
	Ivory	**USB15A5I**	**USB20A5I**
	Light Almond	**USB15A5LA**	**USB20A5LA**
	White	**USB15A5W**	**USB20A5W**

USB15C5W

USB15AC5W

Note: See page Tech-10 for Tamper-Resistant description.
See section L for Hospital grade series.

4 Port USB Charger Outlets

Description	Color	4 Type A ports	2 Type A and 2 Type-C ports	4 Type-C ports
USB Charger Outlets,	Black	**USB4BK**	**USB4ACBK**	**USB4CBK**
4 USB ports,	Brown	**USB4**	**USB4AC**	**USB4C**
5 Amp, 5 Volt DC,	Gray	**USB4GY**	**USB4ACGY**	**USB4CGY**
Style Line® decorator.	Ivory	**USB4I**	**USB4ACI**	**USB4CI**
	Light Almond	**USB4LA**	**USB4ACLA**	**USB4CLA**
	White	**USB4W**	**USB4ACW**	**USB4CW**

USB20A5W

Switch Combo Outlets

Description	Color	Catalog Number
Switch Combo Outlet,	Black	**USB102BK**
two USB type 2.0 ports, 2.1 Amp,	Brown	**USB102**
5 Volt DC, Style Line® decorator	Gray	**USB102GY**
	Ivory	**USB102I**
	Light Almond	**USB102LA**
	White	**USB102W**

USB102W **USB4ACW**

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

GFCI Receptacles with Auto Grounding

Meets UL Standard 943
Class A GFCI

Features

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output

Tamper-Resistant

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Combination Switch 15A 120V Switch	Standard 3-Pack Three Devices per Pack
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFTRST15AL	GFTRST15ALNL	GFTRST15ALB	—	—
	Black	GFTRST15BK	GFTRST15BKNL	GFTRST15BKB	—	—
	Brown	GFTRST15	GFTRST15NL	GFTRST15B	—	—
	Gray	GFTRST15GY	GFTRST15GYNL	GFTRST15GYB	—	—
	Ivory	GFTRST15I	GFTRST15INL	GFTRST15IB	GFSPST15I	GFTRST15I3
	Light Almond	GFTRST15LA	GFTRST15LANL	GFTRST15LAB	GFSPST15LA	GFTRST15LA3
	Red	GFTRST15R	GFTRST15RNL	GFTRST15RB	—	—
	White	GFTRST15W	GFTRST15WNL	GFTRST15WB	GFSPST15W	GFTRST15W3
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFTRST20AL	GFTRST20ALNL	GFTRST20ALB	—	—
	Black	GFTRST20BK	GFTRST20BKNL	GFTRST20BKB	—	—
	Brown	GFTRST20	GFTRST20NL	GFTRST20B	—	—
	Gray	GFTRST20GY	GFTRST20GYNL	GFTRST20GYB	—	—
	Ivory	GFTRST20I	GFTRST20INL	GFTRST20IB	—	GFTRST20I3
	Light Almond	GFTRST20LA	GFTRST20LANL	GFTRST20LAB	—	GFTRST20LA3
	Red	GFTRST20R	GFTRST20RNL	GFTRST20RB	—	—
	White	GFTRST20W	GFTRST20WNL	GFTRST20WB	—	GFTRST20W3

Tamper-Resistant Weather Resistant

Rating	Color	Standard	Isolated Ground
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	GFTWRST15AL	GFTWRST15ALIG
	Black	GFTWRST15BK	GFTWRST15BKIG
	Brown	GFTWRST15	GFTWRST15IG
	Gray	GFTWRST15GY	GFTWRST15GYIG
	Ivory	GFTWRST15I	GFTWRST15IIG
	Light Almond	GFTWRST15LA	GFTWRST15LAIG
	Red	GFTWRST15R	GFTWRST15RIG
	White	GFTWRST15W	GFTWRST15WIG
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	GFTWRST20AL	GFTWRST20ALIG
	Black	GFTWRST20BK	GFTWRST20BKIG
	Brown	GFTWRST20	GFTWRST20IG
	Gray	GFTWRST20GY	GFTWRST20GYIG
	Ivory	GFTWRST20I	GFTWRST20IIG
	Light Almond	GFTWRST20LA	GFTWRST20LAIG
	Red	GFTWRST20R	GFTWRST20RIG
	White	GFTWRST20W	GFTWRST20WIG

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.
See section K for complete Hubbell GFCI offering.

Flat Panel TV and AV Wallboxes

Hubbell has solutions for residential environments where wire management is a concern. Products sit flush against the wall and are available in multiple colors, creating an aesthetically pleasing look. Large connectors and cables are held securely and bundled together neatly. Wires are concealed behind the wall and out of view. Snap Fit options are used for customizing your connections.

Features

Receptacles

• Snap Fit is configurable to accommodate multiple connectors such as: HDMI, AV and Voice/Low-speed data

• Feed-through options allows you to make direct connections

Boxes

• Available in plastic or metal boxes to accommodate local building requirements

Recessed Receptacle with Feed-Through

Metal Wallbox with Divider

Recessed Receptacles

RR1510I   RR1512I   RR1514I

	15A 125V, Tamper-Resistant Duplex Receptacle		
Color	1-Gang	2-Gang with Feed-Through	2-Gang with Snap Fit
Ivory	RR1510I	RR1512I	RR1514I
Light Almond	RR1510LA	RR1512LA	RR1514LA
White	RR1510W	RR1512W	RR1514W

Feed-Through Plates

NSAV1I   NSAV2I

Color	1-Gang	2-Gang
Ivory	NSAV1I*	NSAV2I*
White	NSAV1W*	NSAV2W*

*Note: *Not UL Listed.*

Two and Three Gangable AV Wallboxes

HBL985   HBL986   HBL989   RR1500

Box	Dimensions			Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
	Height	Width	Depth				
2-Gang, 2" KO, 54 in³ capacity	4.21" (107)	4.06" (103)	4.0" (102)	(2) ½" (2) ½" – ¾" TKO*	(1) 1", 1¼", 1½" and 2"	(2) ½" – ¾" TKO	HBL985
3-Gang, 2" KO, 79 in³ capacity	4.21" (107)	5.87" (149)	4.0" (102)	(3) ½" (3) ½" – ¾" TKO*	(1) ½", (1) ½" – ¾" TKO* (1) 1", 1¼", 1½" and 2"	(3) ½" – ¾" TKO	HBL986

*Note: *TKO (Tangential Knockout).*

Wallbox

Description	Color	Catalog Number
2-Gang, nail-on box, thermoplastic	Blue	RR1500

Low Voltage AV Wallbox Partitions

Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider	1	HBL989
	With pass-through capability	1	HBL989AVD

Dimensions in Inches (mm)

Decorator Frames and Modular Snap Fit Jacks

Decorator Frames

Color	1-Gang, 1-Port	1-Gang, 2-Port	1-Gang, 3-Port	1-Gang, 4-Port	1-Gang, 6-Port	1-Gang, Adapter Blank**
Black	**NS611BK**	**NS612BK**	**NS613BK**	**NS614BK**	**NS616BK**	**NS620BK**
Gray	**NS611GY**	**NS612GY**	**NS613GY**	**NS614GY**	**NS616GY**	**NS620GY**
Ivory	**NS611I**	**NS612I**	**NS613I**	**NS614I**	**NS616I**	**NS620I**
Light Almond	**NS611LA**	**NS612LA**	**NS613LA**	**NS614LA**	**NS616LA**	**NS620LA**
White	**NS611W**	**NS612W**	**NS613W**	**NS614W**	**NS616W**	**NS620W**

*Note: **To fill an extra decorator opening or to create customized openings.*

Molded-In Voice/Low-Speed Data - Modular Snap Fit

Color	Category 6 Jack (single)	Category 6 Jack (25 pack)	Category 5e Jack (single)	Category 5e Jack (25 pack)	USOC Jack (single)
Black	**NSJ6BK**	**NSJ6BK25**	**NSJ5EBK**	**NSJ5EBK25**	**NSJUBK**
Blue	**NSJ6B**	**NSJ6B25**	**NSJ5EB**	**NSJ5EB25**	**NSJUB**
Gray	**NSJ6GY**	**NSJ6GY25**	**NSJ5EGY**	**NSJ5EGY25**	**NSJUGY**
Green	**NSJ6GN**	**NSJ6GN25**	**NSJ5EGN**	**NSJ5EGN25**	**NSJUGN**
Ivory	**NSJ6I**	**NSJ6I25**	**NSJ5EI**	**NSJ5EI25**	**NSJUI**
Light Almond	**NSJ6LA**	**NSJ6LA25**	**NSJ5ELA**	**NSJ5ELA25**	**NSJULA**
Orange	**NSJ6OR**	**NSJ6OR25**	**NSJ5EOR**	**NSJ5EOR25**	**NSJUOR**
Red	**NSJ6R**	**NSJ6R25**	**NSJ5ER**	**NSJ5ER25**	**NSJUR**
White	**NSJ6W**	**NSJ6W25**	**NSJ5EW**	**NSJ5EW25**	**NSJUW**
Yellow	**NSJ6Y**	**NSJ6Y25**	**NSJ5EY**	**NSJ5EY25**	**NSJUY**

HDMI 1.4 Connectors

Color	HDMI Keystone Feed-Through for IMB and ISFB Series
Black	**SFHC14BK**
White	**SFHC14W**

Audio/Video Connectors - Standard Bulkhead

Color	Nickel F-Type Coupler Bulkhead, Female to Female	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass-Through, Female to Female, Red Interior	RCA Gold Pass-Through, Female to Female, White Interior	RCA Gold Pass-Through, Female to Female, Yellow Interior	RCA Gold Pass-Through, Female to Female, Blue Interior	RCA Gold Pass-Through, Female to Female, Green Interior
Black	**NSF70BK**	**SFFGBK**	**SFRCRFFBK**	**SFRCWFFBK**	**SFRCYFFBK**	**SFRCBFFBK**	**SFRCGNFFBK**
Gray	**NSF70GY**	**SFFGGY**	**SFRCRFFGY**	**SFRCWFFGY**	**SFRCYFFGY**	**SFRCBFFGY**	**SFRCGNFFGY**
Ivory	**NSF70I**	**SFFGEI**	**SFRCRFFEI**	**SFRCWFFEI**	**SFRCYFFEI**	**SFRCBFFEI**	**SFRCGNFFEI**
Light Almond	**NSF70LA**	**SFFGLA**	**SFRCRFFLA**	**SFRCWFFLA**	**SFRCYFFLA**	**SFRCBFFLA**	**SFRCGNFFLA**
White	**NSF70W**	**SFFGW**	**SFRCRFFW**	**SFRCWFFW**	**SFRCYFFW**	**SFRCBFFW**	**SFRCGNFFW**

Audio/Video Connectors - Recessed

Color	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass-Through, Female to Female, Red Interior	RCA Gold Pass-Through, Female to Female, White Interior	RCA Gold Pass-Through, Female to Female, Yellow Interior	RCA Gold Pass-Through, Female to Female, Blue Interior	RCA Gold Pass-Through, Female to Female, Green Interior	Blank Insert
Black	**SFGRFBK**	**SFRCRRBK**	**SFRCWRBK**	**SFRCYRBK**	**SFRCBRBK**	**SFRCGNRBK**	**SFSBBK10***
Gray	**SFGRFGY**	**SFRCRRGY**	**SFRCWRGY**	**SFRCYRGY**	**SFRCBRGY**	**SFRCGNRGY**	**SFSBGY10***
Ivory	**SFGRFEI**	**SFRCRREI**	**SFRCWREI**	**SFRCYREI**	**SFRCBREI**	**SFRCGNREI**	**SFSBEI10***
Light Almond	**SFGRFLA**	**SFRCRRLA**	**SFRCWRLA**	**SFRCYRLA**	**SFRCBRLA**	**SFRCGNRLA**	**SFSBLA10***
White	**SFGRFW**	**SFRCRRW**	**SFRCWRW**	**SFRCYRW**	**SFRCBRW**	**SFRCGNRW**	**SFSBW10***

*Note: *Sold in a package of 10. Order 1 to receive a bag of 10 blanks.*

Dimensions in Inches (mm)

tradeSELECT® Products

Molded-In Voice/Data/Video

Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor	Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor	Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor	Decorator Frame, One Cat. 5e One RJ11 Jack, 6-Position, 4-Conductor
Termination	Screw Terminations	Screw Terminations	Screw Terminations	110 Punch-Down
Color				
Black	**NS770BK**	–	–	**NS784BK**
Brown	**NS770**	**NS771**	–	**NS784**
Gray	**NS770GY**	–	–	**NS784GY**
Ivory	**NS770I**	**NS771I**	**NS772I**	**NS784I**
Light Almond	**NS770LA**	**NS771LA**	**NS772LA**	**NS784LA**
White	**NS770W**	**NS771W**	**NS772W**	**NS784W**

Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One Cat. 5e One F-Type Coupler Bulkhead, Female to Female
Termination	Screw Terminations	Screw Terminations	110 Punch-Down
Color			
Black	–	–	**NS785BK**
Brown	–	–	**NS785**
Gray	–	–	**NS785GY**
Ivory	–	–	–
Light Almond	**NS780LA**	**NS783LA**	**NS785LA**
White	**NS780W**	**NS783W**	**NS785W**

Dimensions in Inches (mm)

Nylon and Metal Wallplates

More Style In a Snap

Snap-on screwless wallplates offer a clean, elegant look that can be installed in seconds. Screw the mounting sub-plate onto the device and press the snap-on wallplate into place. Snaps securely hold the wallplate to the sub-plate.

- Clean, elegant look
- No visible screws
- Snap-on wallplate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on wallplate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards

Snap-On Screwless Wallplates

Color	1-Gang, 1-Decorator	1-Gang, 1-Duplex	1-Gang, 1-Toggle	2-Gang, 2-Decorator	2-Gang, 2-Toggle	3-Gang, 3-Decorator	3-Gang, 3-Toggle	4-Gang, 4-Decorator
Ivory	NPS26I	NPS8I	NPS1I	NPS262I	NPS2I	NPS263I	NPS3I	NPS264I
Light Almond	NPS26LA	NPS8LA	NPS1LA	NPS262LA	NPS2LA	NPS263LA	NPS3LA	NPS264LA
White	NPS26W	NPS8W	NPS1W	NPS262W	NPS2W	NPS263W	NPS3W	NPS264W

Decorator, Screw-On, Standard, Nylon Wallplates

Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Black	NP26BK	NP262BK	NP263BK	NP264BK	NP265BK	NP266BK
Brown	NP26	NP262	NP263	NP264	NP265	NP266
Gray	NP26GY	NP262GY	NP263GY	NP264GY	NP265GY	NP266GY
Ivory	NP26I	NP262I	NP263I	NP264I	NP265I	NP266I
Light Almond	NP26LA	NP262LA	NP263LA	NP264LA	NP265LA	NP266LA
White	NP26W	NP262W	NP263W	NP264W	NP265W	NP266W

Decorator, Screw-On, Mid-Size, Nylon Wallplates

Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Black	NPJ26BK	NPJ262BK	NPJ263BK	NPJ264BK	—	—
Brown	NPJ26	NPJ262	NPJ263	NPJ264	—	—
Gray	NPJ26GY	NPJ262GY	NPJ263GY	NPJ264GY	—	—
Ivory	NPJ26I	NPJ262I	NPJ263I	NPJ264I	—	—
Light Almond	NPJ26LA	NPJ262LA	NPJ263LA	NPJ264LA	—	—
White	NPJ26W	NPJ262W	NPJ263W	NPJ264W	—	—

Decorator, Screw-On, Mid-Size, Metal Wallplates

Material	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Brass	SB26	SB262	—	—	—	—
Brass Plated	SBP26	SBP262	SBP263	—	—	—
Chrome	SCH26	SCH262	—	—	—	—
S/S 302/304	SS26	SS262	SS263	SS264	SS265	SS266
S/S 430	SS26L	SS262L	—	—	—	—

Note: See section O for complete selection of wallplates.

Combination Wallplates

Combination, Nylon, Standard Wallplates

Color	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Box Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Black	**NP126BK**	**NP826BK**	**NP1326BK**	**NP226BK**	**NP1262BK**	**NP326BK**	**NP2262BK**
Brown	**NP126**	**NP826**	**NP1326**	**NP226**	**NP1262**	**NP326**	**NP2262**
Gray	**NP126GY**	**NP826GY**	**NP1326GY**	**NP226GY**	**NP1262GY**	**NP326GY**	**NP2262GY**
Ivory	**NP126I**	**NP826I**	**NP1326I**	**NP226I**	**NP1262I**	**NP326I**	**NP2262I**
Light Almond	**NP126LA**	**NP826LA**	**NP1326LA**	**NP226LA**	**NP1262LA**	**NP326LA**	**NP2262LA**
White	**NP126W**	**NP826W**	**NP1326W**	**NP226W**	**NP1262W**	**NP326W**	**NP2262W**

Combination, Nylon, Mid-Size Wallplates

Color	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Box Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Black	**NPJ126BK**	**NPJ826BK**	—	**NPJ226BK**	—	—	—
Brown	**NPJ126**	**NPJ826**	**NPJ1326**	**NPJ226**	—	—	—
Gray	**NPJ126GY**	**NPJ826GY**	—	**NPJ226GY**	—	—	—
Ivory	**NPJ126I**	**NPJ826I**	**NPJ1326I**	**NPJ226I**	—	—	—
Light Almond	**NPJ126LA**	**NPJ826LA**	**NPJ1326LA**	**NPJ226LA**	—	—	—
White	**NPJ126W**	**NPJ826W**	**NPJ1326W**	**NPJ226W**	—	—	—

Combination, Standard, Metal Wallplates

Material	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Strap Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Brass	**SB126**	**SB826**	—	—	—	—	—
Brass Plated	**SBP126**	—	—	—	—	—	—
Chrome	—	—	—	—	—	—	—
SS 302/304	**SS126**	**SS826**	**SS1426**	**SS226**	—	**SS326**	—
SS 430	**SS126L**	—	—	—	—	—	—

Note: See section O for complete selection of wallplates.

Dimensions

Snap-On Cover Plate

Gang	Height (H)	Width (W)	Depth (D)
1	4.75" (120.6)	3.00" (76.2)	.25" (6.2)
2	4.75" (120.6)	4.81" (122.2)	.25" (6.2)
3	4.75" (120.6)	6.62" (168.2)	.25" (6.2)
4	4.75" (120.6)	8.44" (214.3)	.25" (6.2)

Standard Size Nylon
4.63" (117.6)
2.88" (73.2)
0.25" (6.4)
Captive Screws

Mid-Size Nylon
4.88" (124.0)
3.13" (79.5)
0.25" (6.4)
Captive Screws

Dimensions in Inches (mm)

tradeSELECT® Products

Toggle Switches

Features

Standard toggle switches provide the basic ON/OFF control for home lighting and appliances.

- Tough thermoplastic with ultrasonically welded cover and base
- Elongated strap for easier wall box mounting
- Quiet snap action mechanism
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

RS115W

Single Pole Toggle Switches

Description	Single Pole	Single Pole	Single Pole, Illuminated
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V AC
Color			
Clear	—	—	**RS115ILC**
Black	**RS115BK**	—	—
Brown	**RS115**	**RS115S**	—
Ivory	**RS115I**	**RS115SI**	**RS115ILI***
Light Almond	**RS115LA**	**RS115SLA**	**RS115ILLA***
White	**RS115W**	**RS115SW**	**RS115ILW***

*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

Three and Four Way Toggle Switches

Description	Three Way	Three Way	Three Way, Illuminated	Four Way
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V AC	15A 120V AC
Color				
Clear	—	—	**RS315ILC**	—
Black	**RS315BK**	—	—	—
Brown	**RS315**	**RS315S**	—	**RS415**
Ivory	**RS315I**	**RS315SI**	**RS315ILI***	**RS415I**
Light Almond	**RS315LA**	**RS315SLA**	**RS315ILLA***	**RS415LA**
White	**RS315W**	**RS315SW**	**RS315ILW***	**RS415W**

*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

Dimensions in Inches (mm)

HUBBELL® *Wiring Device-Kellems*

www.hubbell-wiring.com

tradeSELECT® Products

Combination Switches/Devices

Features

Mini-toggles provide for multiple switches in a compact single gang.
Maximize control while maintaining function and appearance.

- Low profile, less than 1 inch
- Self-grounding feature is standard
- Combination devices provide compact switches
  in a single-gang opening
- Smooth toggle action
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

RC108I

Combination Toggle Switches/Devices

Description	Two (2) Single Pole Switches	Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Single Pole Switch, 2 Pole, 3 Wire, Receptacle	Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb*
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
Color				
Brown	**RC101**	**RC108TR**	**RC108**	**RC109**
Ivory	**RC101I**	**RC108ITR**	**RC108I**	**RC109I**
Light Almond	**RC101LA**	**RC108LATR**	**RC108LA**	**RC109LA**
White	**RC101W**	**RC108WTR**	**RC108W**	**RC109W**

Note: See page Tech-10 for Tamper-Resistant description.
*Neutral required for pilot light, see page Z-4 for wiring diagram.

Combination Toggle Switches/Devices

Description	Single Pole and Three Way Switch	Two (2) Three Way Switches	Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Three Way Switch, 2 Pole, 3 Wire, Receptacle	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb*
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
Color					
Brown	**RC103**	**RC303**	**RC308TR**	**RC308**	**RC309**
Ivory	**RC103I**	**RC303I**	**RC308ITR**	**RC308I**	**RC309I**
Light Almond	**RC103LA**	**RC303LA**	**RC308LATR**	**—**	**—**
White	**RC103W**	**RC303W**	**RC308WTR**	**RC308W**	**RC309W**

Note: See page Tech-10 for Tamper-Resistant description.
*Neutral required for pilot light, see page Z-4 for wiring diagram.

Dimensions in Inches (mm)

XClamp and Duplex Receptacles

Features

- Eliminates the need to loop the wire
- External back-wire clamp for fast and easy installation of 15A & 20A branch circuits in residential applications
- Compression plates maximize holding power to provide a stronger, more secure connection
- Terminate up to 8 wires
- Accomodates #12 & #14 AWG wire
- Break-off tabs for switched receptacle applications
- Tamper-resistant shutter complies with NEC®

Best Solution for Residential 15A & 20A Branch Circuit Wiring

Fast and Secure

XCLAMP — *External Clamping*

1 Strip the wire
2 Insert the wire
3 Clamp the connection

RR15SWTRX

RR15W

RR15QW

XClamp Duplex Receptacles

Description	Color	Catalog Number
Tamper-Resistant, 15A 125V, 2 Pole, 3 Wire Grounding, 20A Circuit Rated	Ivory	**RR15SITRX**
	Light Almond	**RR15SLATRX**
	White	**RR15SWTRX**

Listings

UL listed to UL498 File No. E2186
Certified to CSA C22.2, No. 42
NEMA® WD-6 Compliant

Duplex Receptacles, 2 Pole, 3 Wire

Description	Tamper-Resistant, Quick Thread	Standard	Weather and Tamper-Resistant	Tamper-Resistant	Standard
Termination	Self-Grounding, Push and Side Wire	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	**RR15QBKTR**	**RR15BK**	**RR15SBKWRTR**	**RR15SBKTR**	—
Brown	**RR15QTR**	**RR15**	**RR15SWRTR**	**RR15STR**	**RR15S**
Gray			**RR15SGYWRTR**	—	
Ivory	**RR15QITR**	**RR15I**	**RR15SIWRTR**	**RR15SITR**	**RR15SI**
Light Almond	**RR15QLATR**	**RR15LA**	**RR15SLAWRTR**	**RR15SLATR**	**RR15SLA**
White	**RR15QWTR**	**RR15W**	**RR15SWWRTR**	**RR15SWTR**	**RR15SW**

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

tradeSELECT® Products

Singles, Range and Dryer Power Receptacles and Plugs

Single Receptacles, 2 Pole, 3 Wire

Description	Weather and Tamper-Resistant	Tamper-Resistant	Standard	Weather Resistant	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 250V NEMA 6-15R	15A 250V NEMA 6-15R
Black	**RR151BKWRTR**	**RR151BKTR**	**RR151BK**	**RR155BKWR**	**RR155BK**
Brown	**RR151WRTR**	**RR151TR**	**RR151**	**RR155WR**	**RR155**
Gray	**RR151GYWRTR**	**RR151GYTR**	**RR151GY**	**RR155GYWR**	**RR155GY**
Ivory	**RR151IWRTR**	**RR151ITR**	**RR151I**	**RR155IWR**	**RR155I**
Light Almond	**RR151LAWRTR**	**RR151LATR**	**RR151LA**	**RR155LAWR**	**RR155LA**
White	**RR151WWRTR**	**RR151WTR**	**RR151W**	**RR155WWR**	**RR155W**

Description	Weather and Tamper-Resistant	Tamper-Resistant	Standard	Weather Resistant	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 250V NEMA 6-20R	20A 250V NEMA 6-20R
Black	**RR201BKWRTR**	**RR201BKTR**	**RR201BK**	**RR205BKWR**	**RR205BK**
Brown	**RR201WRTR**	**RR201TR**	**RR201**	**RR205WR**	**RR205**
Gray	**RR201GYWRTR**	**RR201GYTR**	**RR201GY**	**RR205GYWR**	**RR205GY**
Ivory	**RR201IWRTR**	**RR201ITR**	**RR201I**	**RR205IWR**	**RR205I**
Light Almond	**RR201LAWRTR**	**RR201LATR**	**RR201LA**	**RR205LAWR**	**RR205LA**
White	**RR201WWRTR**	**RR201WTR**	**RR201W**	**RR205WWR**	**RR205W**

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.

RR151W

RR201W

Range and Dryer Power Receptacles

	30A 125/250V NEMA 14-30R UL/CSA	50A 125/250V NEMA 14-50R UL/CSA	30A 125/250V NEMA 10-30R UL/CSA	50A 125/250V NEMA 10-50R UL/CSA
Description	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR430F**	**RR450F**	**RR330F***	**RR350F***
White	**RR430FW**	**RR450FW**	—	—
Description	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR430**	**RR450**	**RR330***	**RR350***
Description	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	—	—
Black	**RR430PM**	**RR450PM**	—	—

*Note: *For replacement use only.*

RR430FW

RR450

RR430PM

Range and Dryer Power Angled Plugs

	30A 125/250V NEMA 14-30R UL/CSA / 50A 125/250V NEMA 14-50R UL/CSA		30A 125/250V NEMA 10-30R UL/CSA / 50A 125/250V NEMA 10-50R UL/CSA	
Description	With Interchangeable Blades for 30 or 50 Amp		With Interchangeable Blades for 30 or 50 Amp	
Rating	30/50A 125/250V 3 Pole, 4 Wire with Ground		30/50A 125/250V 3 Pole, 3 Wire without Ground	
Black	**RR435P**		**RR335P**	

RR435P

Special Use Products

RR151CHWTR

RR1510W

RJ650BKTR

Dividers

RJ600

RDS50

RS100W

RS101W

Special Use Products

		15A 125V NEMA 5-15R UL/CSA	20A 125V NEMA 5-20R UL/CSA
Description	Color	Tamper-Resistant	Tamper-Resistant
Clock Hanger/Recessed Single Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations	Brass	**RR151CHBSTR**	**RR201CHBSTR**
	Stainless Steel	**RR151CHSSTR**	**RR201CHSSTR**
	Ivory (Nylon)	**RR151CHITR**	**RR201CHITR**
	White (Nylon)	**RR151CHWTR**	**RR201CHWTR**
Recessed Duplex Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations	Ivory	**RR1510I**	–
	Light Almond	**RR1510LA**	–
	White	**RR1510W**	–
JLOAD® Multimedia Outlet, Provides power, Cat. 5e and coaxial in a single gang box. Requires RJ600 Box. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black	**RJ650BKTR**	**RJ620BKTR**
	Gray	**RJ650GYTR**	**RJ620GYTR**
	Ivory	**RJ650ITR**	**RJ620ITR**
	Light Almond	**RJ650LATR**	**RJ620LATR**
	White	**RJ650WTR**	**RJ620WTR**
JLOAD® Multimedia Outlet, Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black	**RJ65BKTR**	**RJ62BKTR**
	Gray	**RJ65GYTR**	**RJ62GYTR**
	Ivory	**RJ65ITR**	**RJ62ITR**
	Light Almond	**RJ65LATR**	**RJ62LATR**
	White	**RJ65WTR**	**RJ62WTR**
JLOAD® Multimedia Box, 3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	**RJ600**	**RJ600**

Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.
　See page Z-10 for snap fit inserts.
　See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.
　See page Tech-10 for Tamper-Resistant description.

Door Switch with Cover Plate and Box

Description	"ON" when Door is Open	"OFF" when Door is Open
Rating	3A 125V AC	3A 125V AC
Zinc Plated Steel	**RDS50***	**RDS30***

Note: *Not UL Listed.

Dimensions

1.50" (3.81)   1.76" (4.47)
4.00" (10.16)   3.13" (7.95)   2.67" (6.78)
0.08" (0.20)   0.07" (0.18)
0.35" (0.89)   ½" K.O. 0.87" (2.21)   1.34" (3.40)

In-Line Cord Switches

Description	Mini For Use with Flat Lamp Cord	Heavy Duty
Rating	6A 125V AC	6A 125V AC, ⅙ HP
Wire	#18 AWG SPT 1 and SPT 2	#18 to #16 AWG SPT 1 and SPT 2
Ivory	–	**RS101I**
White	**RS100W**	**RS101W**

Dimensions in Inches (mm)

Dimmers and Fan Speed Controls

Features

Standard rocker, toggle, slide and rotary styles for any interior design.

- Optimum CFL and LED Control
- Low End Adjustment for Fine Tuning
- Decorator and Traditional Toggle Styling Available
- No Neutral Required

CFL/LED Dimmers

Description	Rocker Dimmer	Toggle Dimmer
Rating	CFL/LED 150W Incadescent/ Halogen 600W 120V AC, 60Hz	CFL/LED 150W Incadescent/ Halogen 600W 120V AC, 6 0Hz
Termination	Single Pole/Three Way	Single Pole/Three Way
Ivory	**RDVCL153PI**	**RAYCL153PI**
Light Almond	**RDVCL153PLA**	**RAYCL153PLA**
White	**RDVCL153PW**	**RAYCL153PW**

RAYCL153PW

RDVCL153PW

Rotary Incandescent Dimmers

Description	ON/OFF Dimmer	Push ON/OFF Dimmer Ivory and White Knobs Provided	Push ON/OFF Dimmer Ivory and White Knobs Provided
Termination	Single Pole	Single Pole	Three Way
Rating	600W 120V AC	600W 120V AC	600W 120V AC
Ivory	**RD600RI**	**—**	**—**
White	**RD600RW**	**—**	**—**
Ivory/White	**—**	**RD600PDK**	**RD603PDK**

Replacement Knobs

2 Piece Kit Replacement Knobs
—
—
—
—
RRKDK

RD600RW

Slide Incandescent Dimmers

Description	Slide to OFF	Preset with ON/OFF Switch	Preset with ON/OFF Switch
Termination	Single Pole	Single Pole	Three Way
Rating	600W 120V AC	600W 120V AC	600W 120V AC
Ivory	**RS600I**	**RS600PI**	**RS603PI**
Light Almond	**RS600LA**	**RS600PLA**	**RS603PLA**
White	**RS600W**	**RS600PW**	**RS603PW**

RRKDK

RS600PW

Fan Speed Controls, 3 Speed

Description	Toggle	Rotary ON/OFF Knobs Provided
Termination	Single Pole/Three Way	Single Pole
Rating	1.5A 120V AC	1.5A 120V AC
Ivory	**RAYFSQFI**	**—**
Light Almond	**RAYFSQFLA**	**—**
White	**RAYFSQFW**	**—**
Ivory/White	**—**	**RFSQ2FDK**

Replacement Knobs

Rotary Fan Control Replacement Knobs
—
—
R28032406
—
R28032401
—

R28032401

R28032406

RFSQ2FDK

Fan Speed Controls, 3 Speed

Description	Rocker Slide Adjustment	Slide Control Slide to OFF
Termination	Single Pole/Three Way	Single Pole
Rating	1.5A 120V AC	1.5A 120V AC
Ivory	**RDVFSQFI**	**RSFSQFI**
Light Almond	**RDVFSQFLA**	**RSFSQFLA**
White	**RDVFSQFW**	**RSFSQFW**

Replacement Knobs

Slide Control Replacement Knobs
—
—
RSKI
RSKLA
RSKW

RSKW

RSKI

RSFSQFW

Wall Switches and Digital Timer

WS2000W

WS1000NW

WS1020W

DT5030W

DT2000W

Passive Infrared Wall Switches

- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- 1200 sq. ft. coverage
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and ASHRAE 90.1 compliant
- cULus

Description	Color	Standard	with Nightlight	with Neutral	with Nightlight and Neutral
Manual adjusting; selectable manual/auto ON operation; dual-voltage 120/277V AC; multi-way capable.	Gray	**WS2000GY**	**WS2000NGY**	—	—
	Ivory	**WS2000I**	**WS2000NI**	**WS2004I**	**WS2004NI**
	Light Almond	**WS2000LA**	**WS2000NLA**	—	—
	White	**WS2000W**	**WS2000NW**	**WS2004W**	**WS2004NW**
Manual adjusting; selectable manual/auto ON operation; 120V AC only.	Ivory	**WS1000I**	**WS1000NI**	—	—
	Light Almond	**WS1000LA**	**WS1000NLA**	—	—
	White	**WS1000W**	**WS1000NW**	—	—
Manual adjusting; manual ON operation; 120V AC only.	Ivory	**WS1001I**	**WS1001NI**	—	—
	Light Almond	**WS1001LA**	**WS1001NLA**	—	—
	White	**WS1001W**	**WS1001NW**	—	—
Manual adjusting; auto ON operation; dual circuit; 120V AC only.	Gray	**WS1020GY**	**WS1020NGY**	—	—
	Ivory	**WS1020I**	**WS1020NI**	**WS1024I**	**WS1024NI**
	Light Almond	**WS1020LA**	**WS1020NLA**	**WS1024LA**	**WS1024NLA**
	White	**WS1020W**	**WS1020NW**	**WS1024W**	**WS1024NW**
Manual adjusting; manual ON operation; dual circuit; 120V AC only.	Gray	**WS1021GY**	**WS1021NGY**	—	—
	Ivory	**WS1021I**	**WS1021NI**	**WS1025I**	**WS1025NI**
	Light Almond	**WS1021LA**	**WS1021NLA**	**WS1025LA**	**WS1025NLA**
	White	**WS1021W**	**WS1021NW**	**WS1025W**	**WS1025NW**

Note: See below for coverage patterns.

Count Down Timer Wall Switch

Description	Color	30 Minutes: OFF, 5, 10, 20, 30	60 Minutes: OFF, 15, 30, 45, 60	12 Hours: OFF, 2, 4, 8, 12
1000W @ 120V AC and 1400W @ 277V AC.	Ivory	**DT5030I**	**DT5060I**	**DT5012I**
	Light Almond	**DT5030LA**	**DT5060LA**	**DT5012LA**
	White	**DT5030W**	**DT5060W**	**DT5012W**

Note: Neutral required.

Digital Timer Wall Switch

Description	Color	120V AC	277V AC	Catalog Number
Dip switch enabled preset intervals. User adjustable 1 min up to 4 hours, 3-way capable. Includes an ON/OFF momentary push button switch feature.	White	960W	1200W	**DT2000W**

Note: Neutral required.

Wall Switches Coverage Patterns

Minor Motion: ▮ PIR   **Major Motion:** ▮ PIR

Vertical Coverage

Mounting Height 48" (121.9 cm)

20' (6.1m)
40' (12.2m)

Horizontal Coverage

16'
12'
12'
16'

20'
40'

WS1000, WS2000 SERIES

Floor Boxes for Concrete Floors

Residential Round Non-Metallic Floor Box offers an economical solution for electrical power or a combination of power and voice/data applications. Designed specifically for slab-on-grade installation. Quick and easy installation is assured using a push in place leveling system. UL Listed.

Features

After the box has been secured in concrete, cut for height, apply PVC glue and push the cover assembly into the box. No fasteners or adjustment screws required.

- 4 inch minimum concrete pour
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Self height and leveling ring, no adjustments
- Pre-assembled flange, cover and leveling ring for quick installation
- Parallel PVC hubs for 1 inch and ¾ inch conduit
- Recessed GFCI/decorator opening
- Tamper-Resistant duplex receptacle included
- UL listed floor box

RF406BK
with **RF400**

Floor Boxes for Concrete Floors

Description	Rating	Material/Color	Catalog Number
Flange and Hinged Door Cover Assembly. Includes tamper-resistant duplex receptacle, gasket, floor leveling PVC ring, high impact and chemically resistant nylon. Factory pre-assembled for easy drop-in installation.	15A 125V NEMA 5-15R	Brushed Aluminum	**RF406ALU**
		Brushed Brass Plated	**RF406BP**
		Solid Brass	**RF406BR**
		Almond	**RF406AL**
		Black	**RF406BK**
		Chestnut Brown	**RF406BN**
		Gray	**RF406GY**
Flush fit cover for hardwood and tile floors (similar to above).		Solid Brass	**RF409BR**
PVC Floor Box with Concrete Protective Cover. Accepts ¾ in. and 1.0 in. schedule 40 and schedule 80 PVC conduit. Includes round box (47/8 in. diameter x 6.0 in. deep), four reducers, closure plugs, and concrete cover with locator flag.		Gray	**RF400**
Hinged Nylon Replacement Door Cover. Includes neoprene gasket to seal plug openings. Replacement cover for RF406 series.		Solid Brass	**RF407BR**
		Almond	**RF407AL**
		Black	**RF407BK**
Low Voltage Divider. For use in PVC box RF400, when JLOAD® Multimedia Outlet is used.		Gray	**RF408**

RF406ALU

RF409BR

Adjustable Non-Metallic Concrete Floor Box Stand

Description	Color	Catalog Number
PVC floor box stand, adjusts up to 4 inches.	White	**PFBSTAND**

RF408

	G W 15A 125V NEMA 5-15R UL/CSA	G W 20A 125V NEMA 5-20R UL/CSA

JLOAD® Multimedia Outlet - See page Z-27 for Features

Description	Color	Tamper-Resistant	Tamper-Resistant
JLOAD® Multimedia Outlet. Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires Low Voltage Divider RF408 when used in PVC Box RF400. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black	**RJ650BKTR**	**RJ620BKTR**
	Gray	**RJ650GYTR**	**RJ620GYTR**
	Ivory	**RJ650ITR**	**RJ620ITR**
	Light Almond	**RJ650LATR**	**RJ620LATR**
	White	**RJ650WTR**	**RJ620WTR**
JLOAD® Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black	**RJ65BKTR**	**RJ62BKTR**
	Gray	**RJ65GYTR**	**RJ62GYTR**
	Ivory	**RJ65ITR**	**RJ62ITR**
	Light Almond	**RJ65LATR**	**RJ62LATR**
	White	**RJ65WTR**	**RJ62WTR**

*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*
See page Z-10 for snap fit inserts.
See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.
See page Tech-10 for Tamper-Resistant description.

PFBSTAND

RJ650BKTR

tradeSELECT® Products

Floor Boxes for Wood Floors

Hubbell Wood Floor Boxes allow for the placement of electrical power or a combination of power and voice/data devices. Specifically designed for use with structural wood floors. The boxes are height adjustable (up to ¾ inch) for optimal alignment and fit.

Features

- Available surface mount or flush fit
- Pre-assembled flange and cover for fast installation
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Low voltage divider optional provides for power and voice/data in a compact space
- Height accessible adjustments after the box is mounted
- Back and side knockouts for proper wiring access
- Recessed receptacle minimizes plug protrusion; allowing furniture to be located over the plug
- Top screw fastening and side joist mounting provided

Note: Template cutout provided with instructions for proper installation.

RF509BR, RJ650BKTR, RF500 with Divider

The Right Choice for that Perfect Finishing Touch!

Solid Brass   Brass Plated   Chrome Plated   Copper Plated   Nickel Plated   Stainless Finish   Almond   Black   Chestnut Brown

Note: Not all configurations are available in all colors. See below for details.

Floor Boxes for Structural Wood Floors

Description	Material	Finish	Catalog No.	Material	Finish	Catalog No.
Decorator duplex receptacle floor box kit; includes steel box, flange and hinged door cover assembly with 15A 125V tamper-resistant duplex receptacle; designed for installation in wood floors; mounts to sub-floor or joists.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	**RF515BR** **RF515SS** **RF515AL** **RF515BK** **RF515BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF515BP** **RF515CH** **RF515CU** **RF515NI**
Flange and hinged door cover assembly; includes tamper-resistant duplex receptacle; neoprene gaskets; for use with steel box RF500.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	**RF506BR** **RF506SS** **RF506AL** **RF506BK** **RF506BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF506BP** **RF506CH** **RF506CU** **RF506NI**
Flush fit cover for hardwood and tile floors (similar to above).	Solid Brass	Clear Lacquer	**RF509BR**			
Adjustable floor box; 3 inch deep; three (3) ½ inch knockouts: one on bottom; one on each side; non-metallic sheathed cable clamps on each side.				Steel	—	**RF500**
Hinged Door Cover Only Replacement door for RF515, RF509 and RF506 series.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Solid Brass Stainless Finish Almond Black Chestnut Brown Paint	**RF507BR** **RF507SS** **RF507AL** **RF507BK** **RF507BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF507BP** **RF507CH** **RF507CU** **RF507NI**

RF515BR   **RF509BR**   **RF500**   **RF507BR**

Floor Boxes for Wood Floors

Features

Duplex floor receptacles provide ample connections to service lighting, entertainment equipment and computers for family rooms and offices. Single receptacle configurations available for minimum requirements.

- Low profile, solid brass flange and cover
- Cut out template provided to assure proper sub-flooring preparation
- Line and low voltage options
- 2½ inch hole, ample wiring room
- For use with single or feed through service

Drop-In Floor Box

Drop-In Floor Boxes are perfect for quick and easy installation of power or low voltage. Simply cut a hole between the floor and joists and drop through. The flange lip holds it in place.

RF151R

Floor Boxes for Wood Floors

Description	Material	15A 125V NEMA 5-15R UL/CSA — Catalog Number	20A 125V NEMA 5-20R UL/CSA — Catalog Number
Drop In Floor Box Mounts in 2½ inch hole opening. Includes solid brass cover, single tamper-resistant receptacle, optional device mounts for two (2) voice/data video ports. Suitable for feed through circuitry. Impact resistant box.	Solid Brass	**RF151R**	**RF201R**
Duplex Receptacle Floor Box Rated Includes steel box, duplex TR receptacle and cover.	Solid Brass	**RF6500BR**	—
Single Receptacle Floor Box Rated Includes steel box, single receptacle and cover.	Solid Brass	**RF151TR**	—
Single Receptacle Display Rated Receptacle and cover only, excludes box.	Solid Brass	**RF151DTR**	—

Note: See page Tech-10 for Tamper-Resistant description.

RF151R

RF6500BR

Dimensions

Wood Floor Boxes

Ø 5.6" (143)
4.8" (121)
4.8" (121)
3.2" (81)
0.9" (22)
0.9"(22)
2.4" (61)
4.8" (121)
0.3" (8)
3.1" (80)
½" Knockout 3 Places

Drop-In Floor Box

Ø 2.5" (63)
2.9" (75)
0.2" (5)
Ø 3.4" (86)
7.8" (197)

RF151TR

RF151DTR

Dimensions in Inches (mm)

Features and Benefits

Countertop Receptacles

Hubbell Pop-Up Receptacles for countertops provide a power source ideal for kitchen and bath counters and islands. Hubbell is the first to market a countertop receptacle that is UL Listed. It allows compliance with NEC® 406.5(E) [countertops], 406.5(F) [work surfaces], and 406.5(H) [seating areas]. Pop-Up Receptacles are tested and water resistant to a half gallon spill. The receptacles feature Hubbell's patent pending silicone gaskets and patented cam action tamper-resistant technology. The compact design minimizes space required on the countertop as well as underneath in the cabinet area.

Because Spills Happen

Hubbell Countertop Receptacles are Spill Test Compliant

Hubbell Countertop Receptacles are the first pop-up receptacles UL listed for countertop applications and permanent installations.

UL 498 Section 146
Built and listed to be water resistant to a half gallon of liquid spilled on the device.

Housing Design

- Features two water and tamper-resistant receptacles
- Surface or flush mount options
- Self sealing silicone gaskets at the receptacle face
- Compact design

Installation

- Easy installation - simply drop it in and tighten
- Permanent installation ready (suitable for MC cable or non-metallic sheath cable)

Safety

- Self sealing silicone gaskets at the receptacle face
- Easy push down to pop-up function is rated for a minimum of 10,000 cycles (OPEN/CLOSE)

Mounting Installation

Surface
Flange with chamfer

Flush
Flange without chamfer

Covers

- Seven different finishes available

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

15 Amp Countertop Receptacles

Description	Finish	Color/Material	Surface Mount	Flush Mount
15A 125V Tamper-Resistant Pop-Up Kitchen Counter Receptacle, Rated for 20A circuits	Brushed	Aluminum	**RCT200ALU**	**RCT201ALU**
		Brass	**RCT200BR**	**RCT201BR**
		Nickel	**RCT200NI**	**RCT201NI**
	Polished	Chrome	**RCT200CH**	**RCT201CH**
	Powder Coated	Bronze Matte	**RCT200BZE**	**RCT201BZE**
		Black Matte	**RCT200BK**	**RCT201BK**
		White Matte	**RCT200W**	**RCT201W**

RCT200BK

20 Amp Countertop Receptacles

Description	Finish	Color/Material	Surface Mount	Flush Mount
20A 125V Tamper-Resistant Pop-Up Kitchen Counter Receptacle.	Brushed	Aluminum	**RCT220ALU**	**RCT221ALU**
		Brass	**RCT220BR**	**RCT221BR**
		Nickel	**RCT220NI**	**RCT221NI**
	Polished	Chrome	**RCT220CH**	**RCT221CH**
	Powder Coated	Bronze Matte	**RCT220BZE**	**RCT221BZE**
		Black Matte	**RCT220BK**	**RCT221BK**
		White Matte	**RCT220W**	**RCT221W**

RCT221ALU

Brushed Aluminum	Brushed Brass	Brushed Nickel	Polished Chrome	Powder Coated Bronze Matte	Powder Coated Black Matte	Powder Coated White Matte

Specifications

Performance

Configuration	15/20 amp 125 volt, tamper-resistant receptacle
Circuit Rating	20 amp non-feed through
Listings	cULus Listed to UL498, Section 145 Mechanical Load Test, 146 Spill Test
Dielectric Voltage	Withstands 2,000V minimum
Terminal Accommodation	#14-#12 AWG copper stranded or solid conductor only
Terminal Identification	Terminals identified in accordance with UL 498 and CSA
Flammability	UL 94V-2
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact)

Materials

Cover and Flange	Die cast aluminum
Main Body	Engineered thermoplastic PBT
Wiring Chamber	Die cast aluminum
Water Seals	Elastomers and silicon

Dimensions

Surface Installation Flange with Chamfer

Flush Installation Flange without Chamfer

Ø 4.00" (101.6)
1.69" (42.8)
.09" (2.3)
4.70" (119.0)
Ø 3.40" (86.4)

Accepts non-metallic sheathed cable and/or metal conduit (by using wire clamp or ½" KO)

Ø 4.20" (106.7) Locknut
1/2 KO

Surface Installation
Ø 4.00" (101.6)
Countertop
Ø 3.47" - 3.63" (88.1 - 92.2)

Flush Installation
Ø 4.00" (101.6)
Counterbore .09" (2.3)
Countertop
Ø 3.47" - 3.63" (88.1 - 92.2)

Note: Recommended to be fed by a GFCI circuit, up to 20 Amp Service.

Dimensions in Inches (mm)

tradeSELECT® Products

Under Cabinet/Counter Power Distribution

Features

These boxes comply with the NEC® for kitchen receptacles, with placement not more than 20 inches above the counter surface. They can also be placed under counter islands, not lower than 15 inches from the surface.

• Available with nylon or metal cover
• Custom configurable, accepts any decorator style device
• Mounting hardware included
• UL Listed and CSA Certified under cabinet boxes

RU100W

RU200SS

Under Cabinet/Counter Power Distribution

Description	Material	Catalog Number
Slim Box	Stainless Steel	**RU100SS**
	White Metal	**RU100W**
	White Nylon	**RU170W***
GFCI Fit Box	Stainless Steel	**RU200SS**
	White Metal	**RU200W**
	White Nylon	**RU270W***

*Note: *Steel box with nylon cover.*

Dimensions

Slim Box

3.40" (86.4)　5.57" (141.5)
1.55" (39.4)

GFCI Fit Box

3.40" (86.4)　5.57" (141.5)
1.95" (49.5)

Vertical Mount

Optional

Horizontal Mount

Optional

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

JLOAD® Multimedia Outlet

Make the Most of a Perfect Location

Install receptacles and voice/data devices exactly where they are needed, in the smallest space possible.

Features

- Accepts any snap fit jack configuration (see page Z-10)
- Isolates low voltage and power in the same box
- Custom box mounting
- Provides for data, telephone and coaxial
- Available in 15 or 20 Amp

Note: Requires unique box shown below.

RJ620WTR

RJ620WTR

RJ62WTR

Dividers

RJ600

Special Use Products

Description	Color	Tamper-Resistant (15A 125V NEMA 5-15R UL/CSA)	Tamper-Resistant (20A 125V NEMA 5-20R UL/CSA)
JLOAD® Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires JLOAD® Multimedia Box RJ600. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	RJ650BKTR RJ650GYTR RJ650ITR RJ650LATR RJ650WTR	RJ620BKTR RJ620GYTR RJ620ITR RJ620LATR RJ620WTR
JLOAD® Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	RJ65BKTR RJ65GYTR RJ65ITR RJ65LATR RJ65WTR	RJ62BKTR RJ62GYTR RJ62ITR RJ62LATR RJ62WTR
JLOAD® Multimedia Box 3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	RJ600	RJ600

*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*
See page Z-10 for snap fit inserts.
See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.
See page Tech-10 for Tamper-Resistant description.

Dimensions

1.50" (38.0)
1.29" (32.8)
4.13" (104.9)
3.65" (92.6)
2.61" (66.4)

Dimensions in Inches (mm)

Decorator Switches - Technical Information

Features

- Smooth, quiet rocker action
- Self-grounding feature standard
- Ultrasonically welded cover and base provides maximum strength
- Push, back and side wiring
- Available colors: Black, Brown, Gray, Ivory, Light Almond and White

RSD115W

Specifications

Switches	Component	Material
Typical Specification — Catalog Number **RSD115xx**	Base and body	PVC
Description — Decorator series rocker switch	Rocker	Polycarbonate
Type — Single Pole	Terminals	Brass
Rating — 15A, 120-277V AC	Mounting strap	Galvanized steel
Certification — Listed to UL Standard 20	Contacts	Silver alloy
CSA Certified	Movable contact arm	Copper alloy
	Terminal screws	Steel

*Note: **xx** = Color: **BK** (Black), Blank (Brown), **GY** (Gray), **I** (Ivory), **LA** (Light Almond), and **W** (White).*

Performance

Electrical	
Dielectric voltage	Withstands 1,500V AC minimum for 1 minute.
Max. working voltage	120V.
Overload	1.5 times rating.
Endurance	30,000 cycles minimum.

Mechanical	
Terminal accommodation	Back and side wire: #14 AWG min. - #12 AWG max. solid and stranded copper wire only; push wire: #14 AWG solid copper wire only.

Environmental	
Flammability	UL V0.
Operating temperatures	Maximum continuous 60°C; minimum -20°C (without impact).

Dimensions

0.41" (10.4) Max.

Self-Grounding Clip

Grounding Screw

2.77" (70.4)

3.28" (83.3)   3.81" (96.8)

1.02" (25.9)

1.47" (37.3)

Single Pole Decorator Switch

0.41" (10.4) Max.

Self-Grounding Clip

Grounding Screw

2.77" (70.4)

3.28" (83.3)   3.81" (96.8)

1.02" (25.9)

1.47" (37.3)

Three Way Decorator Switch

Dimensions in Inches (mm)

SECTION AA

Table of Contents

30, 50, 100 & 200 Amp Cable Sets and Devices

Marine Adapters

Marine Isolation Transformers

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

New Marine Products

Hubbell Marine 100 Amp Pin & Sleeve
The Best Just Got Better. . . . . Page AA-20

Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none. Hubbell developed the standard for 100 amp pin and sleeve devices with the National Electric Code and the American Boat and Yacht Council.

100 Amp Pin and Sleeve Devices
Improved Features:

- UL Type 4X and IP69k Rated
- Compact and durable cap hinge is fully shrouded and protected
- VO flammability rating
- UV stabilized, impact resistant and chemical resistant housing to withstand the harshest environments

Hubbell Marine Isolation Transformers
Constant Clean Safe Power . . . . Page AA-30

- Protects sensitive equipment on board from fluctuating or low voltage
- Converts various dockside power, such as 208 volt systems to the 120/240 volts needed on board
- Greatly reduces the possibility of stray current from your boat from leaking into the water, known as Electrical Shock Drowning (ESD)

#316 Stainless Steel Housing with Auto-Boost

Standard White Powder Coated Steel Housing

Available Options:

15 kVA and 25 kVA Models

60 Hz and 50/60 Hz Models

12.5% Auto-Boost

White Powder Coated Steel Housing (Non-Boost Only)

#316 Stainless Steel Housing (with and without Auto-Boost)

Additional Features
- Compact Size and Weight
- Two Full Current-Carrying Shields
- Vibration Resistant
- Exceeds ABYC's 4000 Volt HIPOT Test
- Full Capacity Taps = 1:1 Voltage Ratio

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

New Marine Products

USB Charger Receptacles with Type-C
Charge Faster with Hubbell . . . . **Page AA-41**

The smaller size USB Type-C connection will replace
the traditional larger Type A connection

Now, with 5 amps of fast charging power
Available in standard tamper-resistant version
and in weather resistant versions

USB Type-C connection is:
- Smaller, 24 pin configuration
- More robust for reliable connection
- Quicker, simply plug in your cord

Type-C   Type A&C   Type A

New Hubbell Weather Resistant and Extra Heavy Duty
Corrosion Resistant Ground Fault Receptacles . . . . .Page AA-42
Ground Fault Receptacle Features:

Hubbell's Weather Resistant offering:
- Meets NEC requirements for weather resistant, UV and corrosion
  resistance for harsh and damp locations
- Protects against line and load reversal

Extra heavy duty ground fault receptacles are designed to withstand
the most demanding environments and applications:
- Nickel plated face contacts, mounting strap and terminals
- Stainless steel hardware
- Tamper and weather resistant make this the only corrosion resistant
  ground fault receptacle available

Extra Heavy Duty
Corrosion Resistant

Weather Resistant

Stainless Steel Weatherproof and Watertight Flip Covers
Flip Cover Features . . . .**Page AA-48**

- Heavy duty #316 stainless steel covers provide superior corrosion
  resistance while maintaining their smooth, polished finish
- Available in rain-tight or watertight, duplex and GFCI versions
- Horizontal or vertical mounting positions
- UL and cUL listed

Marine Products

Ship-to-Shore Selection Chart - Boatside

Rating				
30A **125V AC** **2 Pole** **3 Wire** Pages AA-8 to AA-12	**HBL303NM**	**HBL303SS**	**HBL26CM13**	**HBL60CM33** **HBL60CM33W**
50A **125V AC** **2 Pole** **3 Wire** Pages AA-13 to AA-15	**HBL503NM**	**HBL503SS**	**HBL63CM60**	**HBL77CM15** **HBL77CM15W**
50A **125/250V AC** **3 Pole** **4 Wire** Pages AA-16 and AA-17	**HBL504NM**	**HBL504SS**	**HBL63CM64**	**HBL77CM15** **HBL77CM15W**
100A **125/250V AC** **3 Pole** **4 Wire** Pages AA-18 to AA-20	**M4100B12R**	**M4100C12R**		
100A **3ØY** **4 Pole** **5 Wire** Page AA-21 **120/208V AC** **277/480V AC**	**M5100B9R** **M5100B7R**	**M5100C9R** **M5100C7R**		
200A **600V AC/250V DC** **50-400 Hertz** **4 Pole** **5 Wire** Pages AA-22 and AA-23	**M5200BS1R**	**M5200CS1R**		
Portable Telephone and Cable TV Devices Pages AA-32 and AA-33	**HBLPHTVNM**	**HBLPHTVSS**	**HBLTVSS**	**PH6624**	**PH7440**

HUBBELL® Wiring Device-Kellems

Ship-to-Shore Selection Chart - Dockside

YC310250 - 280' (85.3m) Yellow cable only.
WC310280 - 280' (85.3m) White cable only.

HBL61CM08 & HBL61CM08LED - 50' (15.2m)			
HBL61CM05 & HBL61CM05LED - 35' (10.7m)			
HBL61CM03 & HBL61CM03LED - 25' (7.6m)			
HBL61CM08W & HBL61CM08WLED - 50' (15.2m)			
HBL61CM03W & HBL61CM03WLED - 25' (7.6m)			

HBL60CM31
HBL60CM31W

HBL26CM11

HBL26CM10

HBL74CM25WOA
HBL74CM25WOAW

YC306250 - 250' (76.2m) Yellow cable only.

HBL61CM53 & HBL61CM53LED - 50' (15.2m)
HBL61CM43 & HBL61CM43LED - 25' (7.6m)

HBL77CM16
HBL77CM16W

HBL63CM61

HBL63CM70

HBL77CM74WO

YC406250 - 250' (76.2m) Yellow cable only.

HBL61CM52 & HBL61CM52LED - 50' (15.2m)
HBL61CM42 & HBL61CM42LED - 25' (7.6m)
HBL61CM52W & HBL61CM52WLED - 50' (15.2m)
HBL61CM42W & HBL61CM42WLED - 25' (7.6m)

HBL77CM16
HBL77CM16W

HBL63CM65

HBL63CM69

HBL77CM74WO

CS1004 - 100' (30.4m) 4-Wire
CS754 - 75' (22.8m) 4-Wire
CS100IT4 - 100' (30.4m) 3-Wire
CS754IT4 - 75' (22.8m) 3-Wire

CW125IT4 - 125' (38.0m) One-ended cable set for winches.
CW100IT4 - 100' (30.4m) One-ended cable set for winches.
CW754 - 75' (22.8m) One-ended cable set for winches.
CS50EXT4 - 50' (15.2m) Extension cord.

M4100P12

M4100C12

M4100R12

CS100IT5 - 100' (30.4m) 4-Wire
CS75IT5 - 75' (22.8m) 4-Wire

CW125IT5 - 125' (38.0m) One-ended cable set for winches.
CW100IT5 - 100' (30.4m) One-ended cable set for winches.
CS50EXT5 - 50' (15.2m) Extension cord.

M5100P9
M5100P7

M5100C9
M5100C7

M5100R9
M5100R7

M5200PS1

M5200CS1

M5200RS1

PH6630 - 250' (76.2m) Yellow cable only.
PH6599 - 50' (15.2m)
PH6598 - 25' (7.6m)

75 Ohm TV Cable
TV99 - 50' (15.2m)
TV98 - 25' (7.6m)
TV99W - 50' (15.2m)
TV98W - 25' (7.6m)

PH7440

PH6625

PH6596

TV97

PH6597TV

ELCI Interface Solutions

ABYC Code Requirements

Hubbell Marine Electrical continues its tradition of innovation by developing a simple, flexible method of adapting a variety of ELCI Sensors and Breakers to our traditional Stainless Steel and Non-Metallic Shore Power Inlet Housings.

Effective July 31, 2012, ABYC, E-11.11.1 requires that "An Equipment Leakage Circuit Interrupter (ELCI) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional over current protection as required by E-11.10.2.8.3, whichever is closer to the shore power connection".

Note: A faulty electrical connection at the dock or on a boat could result in stray electrical current in the water. Such stray current in Electrical Shock Drowning (ESD).

Hubbell's family of ELCI adaptive Shore Power Inlet Kits provide a simple, flexible, low-cost solution.

Kits Contain:

- Hubbell Shore Power Inlet
- Matching Shore Power Inlet Housing(s)
- Mounting Adapter Plate(s) for use with various ELCI Sensors and ELCI Breakers (not provided)
- Stainless Steel Hardware

An Equipment Leakage Circuit Interrupter (ELCI) provides 30mA ground fault protection for the entire AC shore power system beyond the ELCI

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

ELCI Interface Solutions

**Hubbell ELCI Adapter Kits for North Shore Safety, Ltd® PGFM Series (ELCI Marine)
Sensing Module and Sensata Technologies® ELCI Breakers**

Description	Breaker	Sensor	Power Inlet	Catalog Number
30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (2) Non-Metallic Inlet Housings, Adapter Plates and Hardware.				**HBL303NMELCI**
30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (1) Non-Metallic Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware.				**HBL303NMELCIS**
30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.				**HBL303SSELCI**
30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (1) Stainless Steel Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware.				**HBL303SSELCIS**
50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.				**HBL504SSELCI**
50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housing that adapts to a standard overcurrent-type circuit breaker.				**HBL504SSELCIH**
Blank Non-Metallic Inlet Housing and Hardware for mounting North Shore Safety ELCI Sensor only.				**HBLRRELCI**

Note: North Shore Safety's Sensor and Sensata Technologies Circuit Breakers (not provided) are separate devices each requiring their own blank shore power inlet interface.

UL c (UL)us **LISTED**

Cable sets only.

Features and Benefits

30 Amp Cable Sets

- Bright, durable, LED (green) indicates "Power-ON"
- High intensity LED is visible—even in bright sunlight
- Totally molded design for superior waterproofing and durability
- Exclusive copper crimp barrel terminations for tighter connections and longer life
- Marine UL and cUL Listed

Note: Cable sets must be fully extended before using.

Housing Design
- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Arrow indicating lock or unlock position
- Available in yellow or white colors

Interior Design
- Molded design totally encased in solid PVC material, for superior waterproofing and durability
- Locking ring assures proper alignment of connector to inlet for complete contact and waterproofing; prevents accidental disengagement

Safety
- Bright green LED indicates "Power-ON"

Interior Design
- Strain relief bull ring protects against stress and strain on the conductors caused by boat movement, crew traffic and rough handling
- Exclusive copper crimp barrel termination provides protection against internal overheating as well as additional strain relief

Cord Flexibility
- Molded flexneck adds life to cable set by helping to prevent right-angle cable damage and pullout
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter; particularly in colder climates

Cable Set Options
- Available in 50, 35 and 25 foot lengths
- Available with or without LED
- Available in UV resistant yellow or white
- Marine UL and cUL Listed

UL c(UL)us LISTED

30A Ship-to-Shore Devices

30 Amp Cable Sets and Bulk Cable

Our 30A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.

IP55
SUITABILITY
(Boatside)

30A 125V
NEMA L5-30R
UL/CSA

HBL61CM08
HBL61CM05
HBL61CM03

30A 125V Cable Sets and Bulk Cable

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	**HBL61CM08**
Same as HBL61CM08 except 35 ft. (10.7m) in length.	**HBL61CM05**
Same as HBL61CM08 except 25 ft. (7.6m) in length.	**HBL61CM03**
Same as HBL61CM08 except in white in color.	**HBL61CM08W**
Same as HBL61CM05 except in white in color.	**HBL61CM05W**
Same as HBL61CM03 except in white in color.	**HBL61CM03W**

Note: See page AA-8 for features and benefits.

HBL61CM08W
HBL61CM05W
HBL61CM03W

30A Cable Sets with LED "Power-ON" Indicator

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	**HBL61CM08LED**
Same as HBL61CM08LED except 35 ft. (10.7m) in length.	**HBL61CM05LED**
Same as HBL61CM08LED except 25 ft. (7.6m) in length.	**HBL61CM03LED**
Same as HBL61CM08LED except in white in color.	**HBL61CM08WLED**
Same as HBL61CM05LED except in white in color.	**HBL61CM05WLED**
Same as HBL61CM03LED except in white in color.	**HBL61CM03WLED**

Note: See page AA-8 for features and benefits.

HBL61CM08LED
HBL61CM05LED
HBL61CM03LED

Accessories

Description	Catalog Number
Yellow 250 ft. (76.2m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 250 ft. (76.2m) lengths only.	**YC310250**
White 280 ft. (85.3m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 280 ft. (85.3m) lengths only.	**WC310280**
Replacement non-metallic sealing ring for 30A cable sets and boots.	**RPL30P***

*Note: *Not UL Listed.*

YC310250

RPL30P

30A Ship-to-Shore Devices

30 Amp 125 Volt Shore Power Inlets and Outlet

Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.

- Friction tight self-closing cover assures the interior is shielded from the elements when the inlet is not in use

- Neoprene gasket on underside of cover. For sealing when the cover is closed

- Mirror stainless steel finish for superior appearance

Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance

- Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover

Interior Design

- Contact blades are nickel plated brass for corrosion resistance

- Mounting holes are 2.38 in. (60.3) on center

- Polycarbonate interior has superior heat resistance

Terminations

- Easy-to-wire interior is transparent for quick, visual inspection of terminations

- #SR3050 protective rear enclosure cap attaches to contact carrier with 3 screws

HBL303NM

HBLCBISS

HBLCBINM

HBL303SSO

30A 125V
NEMA L5-30R
UL/CSA

30A 125V Twist-Lock® Devices

Description	Catalog Number
Stylized UV resistant non-metallic shore power inlet has white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy-to-wire terminations and is transparent for quick and easy visual inspection. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP55 SUITABILITY.**	**HBL303NM**
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP56 SUITABILITY.**	**HBL303SS**
Traditional stainless steel inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. **IP56 SUITABILITY.**	**HBLCBISS**
Stylized non-metallic inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. **IP55 SUITABILITY.**	**HBLCBINM**
Protective rear cover. Fits all 30A shore power inlets. Secures to back of inlets with three screws which are provided.	**SR3050***
Replacement interior for HBL303SS and 60CM61 shore power inlets.	**HBL303INT**
Traditional stainless steel power outlet has gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.**	**HBL303SSO**
Nickel plated brass adapter plate for mounting 30A traditional style shore power inlets and outlets to FS/FD box.	**HBL60CM75**

*Note: *Not UL Listed or CSA Certified.*

Centrex® is a registered trademark of LANXESS Corporation.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

30A Ship-to-Shore Devices

30A 125V
NEMA L5-30R
UL/CSA

30A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20** SUITABILITY.	**HBL26CM11**
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief.	**HBL26CM13**
Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20** SUITABILITY.	**HBL26CM10**

HBL26CM11

HBL26CM13

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 plugs. **IP44** SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM31+**
White Seal-Tite cover for weatherproofing HBL26CM11 plugs. **IP44** SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM31W+**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56** SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM33+**
White Seal-Tite cover for weatherproofing HBL26CM13 connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56** SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM33W+**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used on extension cords or adapters. **IP44** SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM32+**
Yellow polycarbonate spring-loaded lift cover for weather-proofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	**HBL74CM24WO****
Same as HBL74CM24WO except gray in color. **IP44** SUITABILITY.	**HBL7424WO****
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	**HBL74CM25WOA****
Same as HBL74CM25WOA except white in color. **IP44** SUITABILITY.	**HBL74CM25WOAW**
Same as HBL74CM25WOA except gray in color. **IP44** SUITABILITY.	**HBL7425WOA****
Stainless steel wall plate for old 26CM10.	**SS725**
Stainless steel wall plate for new HBL26CM10.	**SS720**

Note: +Boots are not UL Listed or CSA Certified.
**See page AA-49 for additional weatherproof plates.

HBL26CM10

HBL60CM31

HBL60CM33

HBL74CM25WOA

HBL74CM25WOAW

SS725

HBL60CM32

Rynite® is a registered trademark of E. I. DuPont.

Plugs and connectors only.

30A Ship-to-Shore Devices

30 Amp Valise® Devices

A unique system of special locking lugs interlock the blade holder and sides as the plug is closed. These load bearing lugs provide strength and security and keep the Valise intact.

Housing Design
- Nylon body
- Wiring time is reduced. Large easy to wire clamp type terminals eliminate the need to wrap conductors around a screw

HBL26CM11V

HBL26CM11VB

HBL26CM13V

Interior Design
- Exclusive nylon webs are provided to make wiring quick and easy by joining the three sections together during assembly
- Powerful cord grips resist conductor slip and strain on wiring terminals
- Nickel plated brass contacts for corrosion resistance

Terminations
- Terminals provide a superior electrical connection by "bundling" the conductors when the clamps are tightened
- Two captive stainless steel assembly screws

**30A 125V
NEMA L5-30R
UL/CSA**

30A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow Valise® plug has one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20** SUITABILITY.	**HBL26CM11V**
Black Valise plug for use on bass boats with trolling motor. One-piece nylon housing assembles easily with two screws. Built-in cord grip has a range of .59–.93 in. (15.0–23.6). **IP20** SUITABILITY.	**HBL26CM11VB**
Yellow Valise connector body has a one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20** SUITABILITY.	**HBL26CM13V**

HBL60CM31V

Boots and Replacement Parts

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing HBL26CM11V plugs. **IP44** SUITABILITY. Note: Fits Valise devices only.	**HBL60CM31V****
Yellow Seal-Tite cover for HBL26CM13V connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. **IP56** SUITABILITY. Note: Fits Valise devices only.	**HBL60CM33V****
Yellow Seal-Tite cover for weatherproofing HBL26CM13V connector bodies when used on extension cords or adapters. **IP44** SUITABILITY. Note: Fits Valise devices only.	**HBL60CM32V****
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL listed.	**RPL30P***

HBL60CM33V

*Note: **Not UL Listed or CSA Certified.*
*Not UL Listed.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Features and Benefits

50 Amp Cable Sets

- Two bright and durable LEDs. GREEN indicates "Power-ON" and RED indicates "Incorrect Wiring" at the power source
- High intensity LEDs are visible—even in bright sunlight
- Totally molded design for superior waterproofing and durability
- Exclusive copper crimp barrel terminations for tighter connections and longer life
- Marine UL and cUL Listed

Note: Cable sets must be fully extended before using.

Housing Design
- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Stainless steel threaded sealing ring to provide a watertight seal when mated with the shore power inlet
- Nickel plated brass shell for positive alignment of keying and corrosion-resistance

Interior Design
- Thermoset contact carrier is arcing and heat resistant
- Nickel plated brass contact blades for corrosion-resistance

Safety
- Arrow with ground symbol allows lining up with ground of receptacle
- Bright green LED indicates "Power-ON"; Bright red LED indicates "Incorrect Wiring" at the power source

Superior Termination
- Bull ring for strain relief on the terminals
- Exclusive copper crimp barrel termination provides protection against internal overheating and burnout compared to brass crimps

Cord Flexibility
- Molded-in flex feature controls the angle of cord entry and keeps water out
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter

Cable Set Options
- Available in 50 and 25 foot lengths
- Available in yellow or white
- Cords for winch systems available upon request
- Marine UL and cUL Listed

50A Ship-to-Shore Devices

CLASSIFIED UL CSA

Inlets and connectors only.

50 Amp 125 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use
- Neoprene gasket on underside of cover, for sealing when the cover is closed

Housing Design

- Base and cover end threads are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover

Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Pressure screw terminals for secure terminations clearly marked for easy identification
- Thermoset contact carrier is arcing and heat resistant

Terminations

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance

50A 125V

HBL503NM

HBL63CM60

HBL77CM15

HBL77CM17

50A 125V Twist-Lock® Devices

Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy to wire terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP55 SUITABILITY.**	**HBL503NM**
Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included. **IP56 SUITABILITY.**	**HBL503SS**
Nickel plated brass connector body has heat resistant thermoset interior and combination metal and rubber cord grip provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	**HBL63CM60**

Boots and Replacement Parts

Description	Catalog Number
Protective rear cover. Fits all inlets except HBL503SS. Secures to back of inlets with three screws which are provided.	**SR3050****
Replacement interior for HBL503SS and 63CM72 shore power inlets.	**CR16277**
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15****
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15W****
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	**HBL77CM67**
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP56 SUITABILITY.**	**HBL77CM17****

Note: **Not UL Listed or CSA Certified.

Centrex® is a registered trademark of LANXESS Corporation.

UL c(UL)us LISTED

50A Ship-to-Shore Devices

50 Amp 125 Volt Cable Sets and Bulk Cable

Our 50A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.

IP56
SUITABILITY
(Boatside)

50A 125V

50A 125V Cable Sets and Twist-Lock® Devices

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #6 AWG type STOW is completely factory pre-wired with molded-on devices. Connector end has threaded metallic sealing ring to make inlet/connector interface watertight. **IP54 SUITABILITY (BOATSIDE).**	**HBL61CM53**
Same as HBL61CM53 except with two high intensity LEDs.	**HBL61CM53LED**
Same as HBL61CM53 except 25 ft. (7.6m) in length.	**HBL61CM43**
Same as HBL61CM43 except with two high intensity LEDs.	**HBL61CM43LED**
Three conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cords and adapters will not mark boat's deck. 250 ft. (75.2m) lengths only.	**YC306250**
Nickel plated brass plug has heat resistant thermoset interior and combination metal and rubber cord grip, provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	**HBL63CM61***
Single receptacle has a heat-resistant thermoset base. **IP20 SUITABILITY.**	**HBL63CM70***

*Note: *UL Listed and CSA Certified.*
See page AA-13 for features and benefits.

HBL61CM53
HBL61CM43

HBL61CM53LED
HBL61CM43LED

HBL63CM61

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	**HBL77CM16****
White Seal-Tite cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	**HBL77CM16W****
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL77CM74WO**
Same as HBL77CM74WO except gray in color. **IP44 SUITABILITY.**	**HBL7774WO**
Stainless steel wall plate for 50A receptacle.	**SS750**

*Note: **Not UL Listed or CSA Certified.*

HBL63CM70

HBL77CM16

HBL77CM74WO

HBL7774WO

SS750

HBL77CM16W

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

50A Ship-to-Shore Devices

50 Amp 125/250 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use

- Neoprene gasket on underside of cover. For sealing when the cover is closed

Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal; when in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover

Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Pressure screw terminals for secure terminations clearly marked for easy identification
- Thermoset contact carrier is arcing and heat resistant

Terminations

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance

50A 125/250V UL/CSA

HBL504NM

HBL63CM64

HBL77CM15

HBL77CM17

50A 125/250V Twist-Lock® Devices

Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior is heat resistant thermoset material and has box lug terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP55 SUITABILITY.**	**HBL504NM**
Traditional stainless shore power inlet has gasketed, self-closing cover so that the interior is shielded from the elements when not in use. It is watertight when the cover is securely fastened. The mounting holes are 2.38 in. (60.3) on centers and the rear portion has a 2.17 in. (55.1) diameter. Mounting screws and gasket are included. **IP56 SUITABILITY.**	**HBL504SS**
Nickel plated brass connector body has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	**HBL63CM64**

Boots and Weatherproof Plates

Description	Catalog Number
Protective rear cover. Fits all inlets except HBL504SS. Secures to back of inlets with three screws which are provided.	**SR3050****
Replacement interior for 63CM74 and HBL504SS power inlets.	**CR16279****
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15****
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15W****
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP55 SUITABILITY.**	**HBL77CM17****
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	**HBL77CM67**

*Note: **Not UL Listed or CSA Certified.*
Centrex® is a registered trademark of LANXESS Corporation.

50A Ship-to-Shore Devices

50 Amp 125/250 Volt AC Cable Sets and Bulk Cable

Our 50A 125/250V AC cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.

**50A
125/250V**
UL/CSA

50A 125/250V Cable Sets and Twist-Lock® Devices

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56** SUITABILITY (BOATSIDE).	**HBL61CM52**
Same as HBL61CM52 except with two high intensity LEDs	**HBL61CM52LED**
Same as HBL61CM52 except white in color.	**HBL61CM52W**
Same as HBL61CM52LED except white in color.	**HBL61CM52WLED**
Yellow 25 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56** SUITABILITY (BOATSIDE).	**HBL61CM42**
Same as HBL61CM52LED except 25 ft. (7.6m) in length.	**HBL61CM42LED**
Same as HBL61CM42 except white in color.	**HBL61CM42W**
Same as HBL61CM42LED except white in color.	**HBL61CM42WLED**
Four conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility is ideal for making cable sets, extension cords and adapters that will not mark the boats deck. Available in 250 ft. (76.2m) lengths only.	**YC406250**
Nickel plated brass plug has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20** SUITABILITY.	**HBL63CM65***
Single receptacle has a heat resistant thermoset base. **IP20** SUITABILITY.	**HBL63CM69***

*Note: *UL Listed and CSA Certified.*
See page AA-13 for features and benefits.

**HBL61CM52
HBL61CM52W
HBL61CM42
HBL61CM42W**

**HBL61CM52LED
HBL61CM42LED**

HBL63CM65

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55** SUITABILITY.	**HBL77CM16****
White Seal-Tite® cover for weatherproofing 50A plugs. **IP55** SUITABILITY.	**HBL77CM16W****
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	**HBL77CM74WO**
Same as HBL77CM74WO except gray in color. **IP44** SUITABILITY.	**HBL7774WO**
Stainless steel wall plate for 50A receptacle.	**SS750**

*Note: **Not UL Listed or CSA Certified.*

HBL63CM69

HBL77CM16

HBL77CM74WO

HBL7774WO

SS750

HBL77CM16W

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Features and Benefits

100 Amp Pin and Sleeve Devices

- Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none
- Hubbell developed the standard for 100 amp Pin and Sleeve devices with the National Electric Code and the American Boat and Yacht Council

IMPROVED DESIGN

Housing Design

- Supertough nylon housing provides increased safety and abuse resistance
- High visibility yellow, STOW cable, 105°C rated and UL listed
- The gasketed locking ring engages the mating device and when rotated and locked makes the interface between the devices watertight

Housing Design

- Nylon housing provides increased safety and resistance
- The gasketed, self-closing cover is keyed to normally seat in a position that provides a weatherproof seal; simply rotating the cover and locking it makes it watertight
- The device is marked with its catalog number and rating for easy identification

Interior Design

- High impact thermoset contact carrier is arcing and heat resistant
- Two screw pressure terminals provide reliable terminations
- Nickel plated solid brass pins provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy

Interior Design

- High impact thermoset contact carrier is arcing and heat resistant
- The terminals are clearly identified with large markings for easy recognition
- Nickel plated solid brass contacts provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy

Exterior Design

- Massive external cable grips protect the wiring from conductor movement which can cause strain on the terminals
- All screws are stainless steel for corrosion resistance
- The device is marked with its catalog number and rating for easy identification

HUBBELL® Wiring Device-Kellems

100A Ship-to-Shore Devices

100 Amp Cable Sets

- Only Hubbell offers 3, 4 and 5 wire 100 amp cable sets for your shore power requirements
- Cable sets manufactured in factory-controlled conditions using specially compounded cable to accommodate a full 100 amperes

Note: Cable sets must be fully extended before using.

IP56
SUITABILITY

100A
125/250V AC

100A 3ØY
120/208V AC

100A Pin and Sleeve Cable Sets

Description	Catalog Number	
Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, (no neutral), STOW cable with plug and connector body for use with boats with isolation transformer on board.	**CS75IT4***	**CS75IT5**
Same as above except 100 ft. (30.4m) in length.	**CS100IT4**	**CS100IT5**
Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, STOW cable.	**CS754**	—
Same as CS754/5 except 100 ft. (30.4m) in length.	**CS1004**	—
Yellow 50 ft. (15.2m) corrosion-resistant extension cord, 105°C rated, #2 AWG, STOW cable. For mating with existing shore power cable set.	**CS50EXT4**	**CS50EXT5**
Yellow 75 ft. (22.8m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, STOW cable with 3 pole 4 wire male plug only; for use with boats using a cable winch system.	**CW754**	—
Yellow 100 ft. (30.4m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, (no neutral) STOW cable with male plug only; for use with boats with isolation transformer on board and a cable winch system.	**CW100IT4**	**CW100IT5**
Same as CW100IT4/5 except 125 ft. (38.0m) in length.	**CW125IT4**	**CW125IT5**
Same as CW100IT4/5 except white in color.	**CW100IT4W**	—

CS75IT4
CS100IT4

CS100IT4W

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.
*Also available in white, consult factory.

100A Ship-to-Shore Devices

M4100P12

M4100R12

M4100C12

M4100B12R

M4100C12R

FW60100

BB1001W
BB1002W

Dimensions in Inches (mm)

100A 125/250V AC

100A 125/250V Pin and Sleeve Devices

Description	Catalog Number
Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). **IP56** SUITABILITY.	**M4100P12**
Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. **IP56** SUITABILITY.	**M4100R12**
Yellow Zytel® super tough nylon watertight connector body for mating plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. **IP56** SUITABILITY.	**M4100C12**
Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. **IP56** SUITABILITY.	**M4100B12R**
Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. **IP56** SUITABILITY.	**M4100C12R**

100A Back Boxes and Accessories

Description	Catalog Number
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. **IP56** SUITABILITY.	**FW60100**
15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it.	**BB1001W**
Same as BB1001W except threaded top hub is 2 in. NPT.	**BB1002W**
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). **IP57** SUITABILITY.	**BB100N**
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	**PC100**
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**
Replacement locking ring and cord clamp.	**CC100**
Replacement locking ring only.	**LR100**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

Product Dimensions   Inches (mm)

FW60100

BB1001W, BB1002W

Zytel® is a registered trademark of E.I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

100A Ship-to-Shore Devices

100A 3ØY 120/208V AC

100A 3ØY 277/480V AC

100A 3ØY 120/208V and 3ØY 277/480V Devices

Description	Catalog Number	
Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). **IP56** SUITABILITY.	**M5100P9**	**M5100P7**
Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. **IP56** SUITABILITY.	**M5100R9**	**M5100R7**
Yellow Zytel® super tough nylon watertight connector body for making plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. **IP56** SUITABILITY.	**M5100C9**	**M5100C7**
Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. **IP56** SUITABILITY.	**M5100B9R**	**M5100B7R**
Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. **IP56** SUITABILITY.	**M5100C9R**	**M5100C7R**

100A Back Boxes and Accessories

Description	Catalog Number
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. **IP56** SUITABILITY.	**FW60100**
15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it.	**BB1001W**
Same as BB1001W except threaded top hub is 2 in. NPT.	**BB1002W**
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). **IP57** SUITABILITY.	**BB100N**
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	**PC100**
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**
Replacement locking ring and cord clamp.	**CC100**
Replacement locking ring only.	**LR100**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

M5100P9

M5100R9

M5100C9

M5100B9R

M5100C9R

Product Dimensions   Inches (mm)

BB100N

BB1001W, BB1002W

BB100N

PC100

Zytel® is a registered trademark of E.I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

Features and Benefits

200 Amp Pin and Sleeve Devices

Hubbell was the first to offer a UL listed 100 amp Marine Ship-To-Shore System… and now, we are the first to offer a UL listed 200 amp Marine Ship-To-Shore System.

The only 200 amp rated Ship-to-Shore System - built specifically for Mega-Yachts.

Hubbell 200 amp devices are listed to UL1682 and UL Classified for the mating and operation of 200 amp devices. Mates with Cooper® Crouse-Hinds® Arktite® or Appleton® Powertite® (when installed in accordance with instructions furnished with device).

Housing Design
- Pins and Sleeves are made of nickel-plated Tellurium copper for superior corrosion and heat resistance
- UL Listed and CSA Certified

Housing Design
- Housing is made of copper-free aluminum with an electrostatically applied epoxy/polyester finish
- Type 3, 4, 4X Rated per UL50 standard for superior water resistance

Interior Design
- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/pressure pads to secure and prevent damage to conductors strands

Interior Design
- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/pressure pads to secure and prevent damage to conductors strands

Exterior Design
- Cable clamp captures cable at four points, provides superior retention
- Accepts a cord range of #1 AWG – 250 MCM

Appleton® and Powertite® are registered trademarks of Appleton Electric Company. Cooper Crouse-Hinds® and Arktite® are registered trademarks of Cooper Industries, Inc.

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

NEMA 4X

200A Ship-to-Shore Devices

200A 600V AC/250V DC, 50-400 Hertz Pin and Sleeve Devices

200A
600V AC/250V DC

Description	Catalog Number
Gray metallic, watertight boatside power inlet with wingnut-secured lid for water tightness when not in use.	**M5200BS1R**
Gray/yellow metallic, watertight boatside connector body with locking ring to make inlet/connector body interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35).	**M5200CS1R**
Gray/yellow metallic, watertight dockside plug with locking ring to make plug/receptacle interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35).	**M5200PS1**
Gray metallic, watertight dockside receptacle with wing nut-secured lid for water tightness when not in use.	**M5200RS1**
Gray/yellow metallic, watertight dockside connector body with wing nut-secured lid for water tightness when not in use. For making plug/connector body interface on extension cords or adapters.	**M5200CS1**

200A Back Boxes

Description	Catalog Number
Gray metallic back box for inlets and receptacles has 45° angle section which can be installed in any of 4 positions, 2 in. NPT hub.	**MB2003W**
Gray metallic back box – same as above but 2½ in. NPT hub.	**MB2004W**

Product Dimensions   Inches (mm)

M5200BS1R

6.90" (175.26)
8.01" (203.48)
1.76" (44.78)
7.39" (187.71)
Ø 5.625" (142.88)
Ø 4.50" (114.30)
Wire Range #1 AWG-250 MCM Copper Only

M5200CS1R, M5200PS1

6.70" (170.20)
11.13" (282.70)
Cable Diameter 1.0" (25.4) Min. 2.5" (63.5) Max.
Wire Range #1 AWG-250 MCM Copper Only

M5200RS1

6.90" (169.90)
7.76" (197.10)
.99" (25.22)
7.39" (187.70)
Ø 5.625" (142.88)
Ø 4.50" (114.30)
Wire Range #1 AWG-250 MCM Copper Only
4X Ø .406 (10.32)

M5200CS1

7.39" (187.70)
13.65" (346.70)
6.70" (170.20)
Cable Diameter 1.0" (25.4) Min. 2.5" (63.5) Max.
Wire Range #1 AWG-250 MCM Copper Only

10.82" (274.8)
45 deg.

MB2003W

8.17" (207.5)
6.75" (171.5)
9.50" (241.3)
(4X) Ø .44 (11.1)
(4X) 3/8-16 UNC

M5200BS1R

M5200CS1R

M5200PS1

M5200RS1

M5200CS1

MB2003W

Dimensions in Inches (mm)

CLASSIFIED UL CSA®

UL Classified to IEC
60309-1 and 60309-2

Features and Benefits

Internationally Rated Conventional-Styled Devices

Hubbell offers the only CE certified electrical shore power systems truly dedicated for boats destined for Europe and the International community. Hubbell's offering of international shore power inlets are available in traditional #316 stainless steel and attractive white non-metallic types resembling our domestic offering in style and appearance but are not interchangeable with the domestic shore power system.

Utilizing standard NEMA (National Electrical Manufacturer's Association) configurations not typically used in the marine market, Hubbell can offer a safe and non-interchangeable 16 amp 230 volt system and 32 amp 230 volt system for use with 50 cycle systems. The system includes white power supply cables (one-end, female only) in both the 16 amp and 32 amp categories.

Hubbell also offers a series of Internationally Rated Pin and Sleeve Devices, available in 16A, 32A and 63A 240V, these devices are interchangeable with other manufactures of UL1686 C1 devices.

Housing Design
- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Self-closing cover is friction tight to remain open while engaing cable set and shields the interior from the elements when the inlet is not in use

Interior Design
- Contact blades are nickel plated brass for corrosion resistance
- Watertight seal when in use, threaded base mates to the threaded ring of the watertight cover on the connector body; when not in use, it mates to the threaded cover

Housing Design
- White Centrex® cover and PBT base, weatherproof when closed
- Easy to wire polycarbonate interior is heat resistant and clear for visual inspection (16 amp and 32 amp)

Terminations (63 Amp)
- Thermoset contact carrier is arcing and heat resistant
- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance

IP66
SUITABILITY

HBL320R6W

HBL320B6W

HBL320C6W

HBL320P6W

Internationally Rated* Pin and Sleeve Devices, 2 Pole Plus Earth (⏚)
*Now Dual-Rated to match North American Configurations as well as International

Description	16A / 20A	30A / 32A	60A / 63A
	220-240V / 250V		
Shore power inlet with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	HBL320B6W	HBL330B6W	HBL360B6W
Connector body with cord grip range of .36–.83 in. (9.1-21.1).	HBL320C6W	HBL330C6W	HBL360C6W
Shore power receptacle with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	HBL320R6W	HBL330R6W	HBL360R6W
Plug with cord grip range of .36–.83 in. (9.1-21.1).	HBL320P6W	HBL330P6W	HBL360P6W
Closure plug for inlets.	PC320**	PC3430**	PC60**
Back box for inlets and receptacles is cast aluminum with corrosion-resistant alkyd-based enamel finish and two ¾ in. NPT hubs.	BB201W	BB301W	BB601W
Feed-thru box for inlets and receptacles is cast aluminum with corrosion-resistant alkyd-based enamel finish and one ¾ in. NPT hubs.	FT202W	FT202W	FW60100

Note: **Not CSA Certified.

Centrex® is a registered trademark of LANXESS Corporation.

Marine Products

Internationally Rated Conventional-Styled Devices

Twist-Lock® Devices, Ship-To-Shore Power System

Description	16A 230V	32A 230V, 50 Cycle
Non-metallic, white, stylized, UV resistant shore power inlet. White Centrex® cover makes the inlet weatherproof when closed. Mounting holes are 2.38 in. (60.3) on centers and match most existing mounting patterns. Rear enclosure strain/relief cap is provided. **IP55** SUITABILITY.	HBL316NM	HBL332NM
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP56** SUITABILITY.	HBL316SSX	HBL332SSX
25 ft. (7.6m) yellow, vinyl jacketed power supply cord with female (boat side) end only; other end blunt cut. **IP56** SUITABILITY.	HBL316CS25	–
50 ft. (15.2m) yellow, vinyl jacketed power supply cord with female (boat side) end only; other end blunt cut.	HBL316CS	HBL332CS
Yellow locking connector replacement end for HBL316CS25 and HBL316CS. **IP20** SUITABILITY.	HBL316CRCX	HBL332CRCX
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP56** SUITABILITY.	HBL60CM33W	HBL60CM33W
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP56** SUITABILITY.	HBL60CM33	HBL60CM33

HBL316NM / HBL332NM

HBL316SSX / HBL332SSX

HBL316CRCX / HBL332CRCX

HBL363SSX

HBL316CS25 / HBL316CS / HBL332CS

HBL60CM33 / HBL60CM33W

63A 230V Ship-To-Shore Power Systems

Description	Catalog Number
Traditional, stainless steel shore power inlet, including higher-quality metal threads, heat-resistant thermoset interior and box lug terminals. **IP56** SUITABILITY.	HBL363SSX
Nickel plated brass plug with heat-resistant thermoset interior and box lug terminals cord grip range is .44 – 1.14 in. (11.1 - 29.0). **IP55** SUITABILITY.	HBL363CRP
Nickel plated brass connector body with heat-resistant thermoset interior and box lug terminals. Cord grip range is .44 – 1.14 in. (11.1 - 29.0). **IP55** SUITABILITY.	HBL363CRC
Single receptacle with heat-resistant thermoset base. **IP20** SUITABILITY.	HBL363CRR
Yellow Seal-Tite® cover for connector bodies when used with 63A shore power inlets. Stainless steel threaded sealing ring makes connections watertight. **IP56** SUITABILITY.	HBL77CM15
Same as HBL77CM15 except white in color.	HBL77CM15W
Yellow Seal-Tite® cover for 63A plugs. **IP55** SUITABILITY.	HBL77CM16
Same as HBL77CM16 except white in color.	HBL77CM16W

63A 230V

HBL363CRP

HBL363CRC

HBL77CM15

HBL77CM16W

HBL363CRR

Centrex® is a registered trademark of LANXESS Corporation.

Features and Benefits

Intelligent Y Adapters

YQ230 - Safely powers a 50A 125/250V AC boat from two 30A 125V AC receptacles at dockside.*

Problem: A boat owner with one electrical system on board docks in a marina that can only provide a different electrical system.

Solution: Use of the Hubbell YQ series of Intelligent Adapters can correct many electrical system mismatches.

*Note: *The two 30 amp receptacles must be on separate phases to function.*

IMPROVED DESIGN

YQ230

Housing Design
- Rugged UV resistant high-impact housing
- Environmentally sealed against humidity, fog and rain
- Cord clamps prevent strain on terminals
- Sealing grommets keep moisture out

Safety
- Safety indicator light, (when ON, safe operation is indicated)
- 3 pole contactor breaks both hots and neutrals to prevent possibility of "live" plug when not engaged

Intelligent Y Adapters

Description	Catalog Number
Adapter that permits use of 50A 125/250V AC cable set. (HBL61CM52), with two 30A 125V AC receptacles, HBL26CM10.	**YQ230**
Adapter that permits use of 100A 125/250V AC cable set. (CS754, CS1004) with one or two 50A 125/250V AC receptacles, HBL63CM69.	**YQ100PLUS**

Note: The YQ230 Adapter will only work with two 30A receptacles that are on different phases.
The YQ100PLUS Adapter must be plugged into two 50A 125/250V AC receptacles that are on the same phase to achieve 100 amp, 125/250 volts power —or the "A" leg 50A male can be plugged into a single 50A 125/250V AC receptacle to achieve 50 amp, 125/250 volts power.

Intelligent Y Adapters

YQ100PLUS - Safely powers a 100A 125/250V AC boat from two 50A 125/250V AC receptacles at dockside -or- from a single 50A 125/250V AC receptacle acting as a single adapter.

Internal Logic Senses That:

- Both plugs are fully engaged (i.e., one is not dangling loose while the other is plugged in) -or- the "A" leg plug is engaged to access a single 50A 125/250V receptacle

- The polarity of the receptacle on the dock is correct (i.e., no mis-wiring of the hot and neutral wires)

- The two receptacles are from correct phases

CAUTION: This adapter must be connected to an onboard, center-tapped isolation transformer or shore power converter. DO NOT USE this adapter if such a transformer or converter is not available.

YQ100PLUS

Housing Design
- Rugged, smaller, lighter-weight enclosure
- Environmentally sealed against humidity, fog and rain
- Sealing grommets keep moisture out

Safety
- Indicator lights indicate correct polarity and safe operation
- "A" leg for accessing a single 50A 125/250V receptacle

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Features and Benefits

Hubbell Molded Adapters

Hubbell Straight Adapters (pigtails) and "Y" Adapters are built to the same standards as all Hubbell Shore Power Cords.

Filled with end-to-end features and weathertight when mated with Hubbell shore cords without the need for extra collars, etc.

Hubbell Marine Adapters deliver the power you need.

• Available in a variety of configurations

• Now CSA Compliant

Housing Design
• Fully molded fittings (except 100A) for superior waterproofing and durability
• Hubbell adapters are weatherproof when mated with Hubbell cable sets

Interior Design
• Terminations utilize exclusive copper crimp barrel terminations, holds over 300% more securely
• Bull ring for strain relief on the terminals
• Nickel plated brass contact blades for corrosion-resistance

Safety
• Provides 15 amp convenience power with GFCI protection
• Manual reset button
• High impact PVC housing, UV stabilized
• Sealed GFCI housing and keypad
• Large LED power "ON" light

Cord Flexibility
• Molded-in flex feature controls the angle of cord entry and keeps water out
• Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter

Adapter Selection Guide

Boat/Cable Set Side Connector Body (Female End)		Molded Straight Adapters		Power Center/Dock Side Plug (Male End)
15A 125V, 2P 3W Straight Blade with GFCI protection		**HBL105GF**		30A 125V, 2P 3W Twist-Lock®
30A 125V, 2P 3W Twist-Lock		**HBL61CM22** **HBL61CM22W**		15A 125V, 2P 3W Straight Blade (lock type)
30A 125V, 2P 3W Twist-Lock		**HBL61CM25**		20A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM54**		15A 125V, 2P 3W Straight Blade
30A 125V, 2P 3W Twist-Lock		**HBL61CM55**		50A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM56**		30A 125V, 2P 3W Twist-Lock
30A 125V, 2P 3W Twist-Lock		**HBL61CM71**		50A 125/250V, 3P 4W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM72**		50A 125/250V, 3P 4W Twist-Lock
100A 125/250V, 3P 4W Pin and Sleeve		**HBL61CM100**		50A 125/250V, 3P 4W Twist-Lock

Molded Y Adapters

(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM54**		50A 125/250V, 3P 4W Twist-Lock
(2) 50A 125V, 2P 3W Twist-Lock		**HBL64CM55**		50A 125/250V, 3P 4W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM56**		30A 125V, 2P 3W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM57**		50A 125V, 2P 3W Twist-Lock

One Piece Adapters

30A 125V, 2P 3W Twist-Lock		**HBL31CM28**		15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade		**HBL31CM29**		30A 125V, 2P 3W Twist-Lock
20A 125V, 2P 3W Twist-Lock		**HBL21CM28**		15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade		**HBL21CM29**		20A 125V, 2P 3W Twist-Lock

Note: See page AA-27 for features and benefits.
See page AA-29 for photographs and descriptions.

HUBBELL® *Wiring Device-Kellems*

www.hubbell-wiring.com

Molded Adapters

Molded Straight Adapters — Now CSA Compliant

Description	Catalog Number
Permits use of 20A 125V Twist-Lock® locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 SUITABILITY.**	**HBL21CM28***
Permits use of 15A or 20A 125V straight blade plug with 20A 125V Twist-Lock locking type receptacle. **IP20 SUITABILITY.**	**HBL21CM29***
Permits use of 30A 125V Twist-Lock locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 SUITABILITY.**	**HBL31CM28**
Permits use of 15A or 20A 125V straight blade plug with 30A 125V Twist-Lock locking type receptacle. **IP20 SUITABILITY.**	**HBL31CM29**
Permits use of 30A 125V cable set, HBL61CM08 with 15 or 20A 125V straight blade receptacle. Anchor locking screw on plug when screwed down resists pullout of the cable set. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM22**
Same as HBL61CM22, except white.	**HBL61CM22W**
Permits use of 30A 125V cable set, HBL61CM08 with 20A 125V Twist-Lock receptacle, HBL23CM10. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM25**
Permits use of 50A 125V cable set, HBL61CM53 with 15 or 20A 125V straight blade receptacle. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM54**
Permits use of 30A 125V cable set, HBL61CM08 with 50A 125V Twist-Lock receptacle, HBL63CM70. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM55**
Permits use of 50A 125V cable set, HBL61CM53 with 30A 125V Twist-Lock receptacle, HBL26CM10. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM56**
Permits use of 30A 125V cable set, HBL61CM08 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM71▲**
Permits use of 50A 125V cable set, HBL61CM53 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM72▲**
Permits use of 15A 125V 3 wire straight blade plug with 15 or 20A 125V 2 wire straight blade receptacle. **IP55 SUITABILITY (CONNECTOR).**	**HBL5273L***
Permits a 100A 125/250V cable set to plug into a single 50A 125/250V outlet. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM100****
Permits use of 15A straight blade plug with 30A 125V Twist-Lock receptacle; with GFCI protection. **IP55 SUITABILITY (PLUG).**	**HBL105GF****

HBL31CM28

HBL21CM29

HBL61CM22

HBL61CM25

HBL61CM56

Molded Y Adapters — Now CSA Compliant

Description	Catalog Number
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125/250V receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTORS).**	**HBL64CM54**
Permits use of two 50A 125V cables sets, HBL61CM53, with one 50A 125/250V receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTORS).**	**HBL64CM55**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 30A 125V receptacle, HBL26CM10. **IP55 SUITABILITY (CONNECTORS).**	**HBL64CM56**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125V receptacle, HBL63CM70. **IP55 SUITABILITY (CONNECTORS).**	**HBL64CM57****

Note: *UL Listed.
**Not CSA Certified.
▲ The male plug end (50A 125/250V) has a blade removed and the blade slot filled with epoxy. Omitting the blade ensures achieving 125V safely.
Adapters do not provide overcurrent protection and do not provide GFCI protection except HBL105GF.

HBL61CM100

HBL105GF

HBL64CM54

HBL64CM55

HBL64CM56

HBL64CM57

Features and Benefits

Hubbell Marine Isolation Transformers

Hubbell Isolation Transformers can protect your vessel's sensitive electronic equipment from damaging electrical spikes or surges. These transformers will also convert various dockside power systems to the 120/240 volt power required to operate all of the equipment on board.

And most importantly, Hubbell Isolation Transformers greatly reduce the possibility of stray current leaking from your boat's electrical system into the water, which could otherwise result in Electrical Shock Drowning (ESD) or electrocution.

Constant Clean Safe Power

Available Options:

- Available in White Powder Coated Steel or #316 Stainless Steel Housing
- 15 kVA and 25 kVA Models
- 60 Hz and 50/60 Hz Models
- 12.5% Taps

240

#316 Stainless Steel Housing with Auto-Boost

Standard White Powder Coated Steel Housing

Housing Design

- Available in #316 stainless steel or white powder coated steel finish
- Compact size and weight

Exterior Design

1 Easy access wiring chamber/drip lid
2 Auto boost connector
3 1" and 1½" knockouts
4 Weep holes

Neatly Routed Wiring Chamber

(Top view with cover removed)
- Easy access wiring chamber
- Pre-wired for 120/240 volt applications

Safety/Installation

- Mounting brackets
- Vibration resistant

Interior Design

- Main module cleanly mounted in easy access wiring chamber
- High-quality terminal block for wire management
- Sand-filled and epoxy topped
- Auto-boost/remote cable receptacle

Auto-Boost Unit

- Remote control unit provided with 32 feet cord, allows you to select "Auto" for dynamic mode or "Man." for manual or static mode (units are factory programmed in auto mode); auto-boost of 12.5% will engage if voltage reading at the dock falls between 195 – 220 Volts

HUBBELL® Wiring Device-Kellems

Hubbell Marine Isolation Transformers

15 kVA and 25 kVA Models

Constant Clean Safe Power

- Protects Sensitive Equipment on Board
- Virtually Eliminates Potential for In-Water Stray Current
- Can be wired per ABYC E-11 for either a Polarization or Isolation Transformer system

Isolation Transformers

				60 Hz	50/60 Hz
Description	Weight (Lbs.)	Color		Catalog Number	Catalog Number
15 kVA isolation transformer.	170	White powder coated steel		**HBL50AITW**	**HBL32AITW**
15 kVA isolation transformer.	170	#316 Stainless steel		**HBL50AITSS**	**HBL32AITSS**
15 kVA isolation transformer with auto-boost.	175	#316 Stainless steel		**HBL50AITSSB**	**HBL32AITSSB**
25 kVA isolation transformer.	250	White powder coated steel		**HBL100AITW**	**HBL63AITW**
25 kVA isolation transformer.	250	#316 Stainless steel		**HBL100AITSS**	**HBL63AITSS**
25 kVA isolation transformer with auto-boost.	255	#316 Stainless steel		**HBL100AITSSB**	**HBL63AITSSB**

Product Dimensions   Inches (mm)

Description	Weight (Lbs.)	A - Height	B - Width	C - Depth
15 kVA Models	170	16.94" (43.0)	14.12" (35.9)	11.59" (29.4)
25 kVA Models	250	18.44" (46.8)	16.13" (41.0)	13.34" (33.9)

Recommended Seal-tite Cord Connectors

- For input and output cables
- Straight connectors for 1 and 1½ inch KOs

Cord Connectors

Description	NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Cast Aluminum Catalog Number
Straight male connectors	1	1.13"-1.25"	(28.6-31.7)	F5	**SHC1048***
	1½	1.25"-1.38"	(31.7-34.9)	F5	**SHC1059**
	1½	1.38"-1.50"	(34.9-38.1)	F6	**SHC1061**

*Note: *Cable jacket may have to be stripped to pass through connector body.*

Dimensions in Inches (mm)

Telephone and Cable TV Devices

HBLPHTVNM

HBLPHTVSS

HBLTVSS

PH6625

PH6624

PH7440

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Stylized non-metallic inlet provides telephone and cable TV connections in one unit. UV resistant white Centrex® cover makes unit weatherproof when completely closed. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket provided. **IP55** SUITABILITY.	**HBLPHTVNM**
Traditional stainless steel inlet provides connections for telephone and cable TV in one unit. Connections can be used individually or together. Gasketed cover is self-closing so interior is shielded from the elements when not in use. Watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. **IP56** SUITABILITY.	**HBLPHTVSS**
Same as HBLPHTVSS above except no phone.	**HBLTVSS**
Replacement int. for PH6594TV and HBLPHTVSS series inlets.	**CR16914**
Black locking type plug for telephone cable sets or adapters.	**PH6625**
Black locking type connector body used on telephone cable sets or adapters.	**PH6624**
Yellow Seal-Tite® cover for weatherproofing PH6624 connector body on cable sets when connecting to an inlet and for weather-proofing PH6625 plug. **IP20** SUITABILITY.	**PH7440**
Yellow Seal-Tite cover for weatherproofing PH6624 connector body when used on extension cords or adapters. **IP55** SUITABILITY.	**PH7499**
Factory pre-wired 50 ft. (15.2m) telephone cable set. Uses 3 conductor, #16 AWG type SJTO, yellow vinyl cord for marine and recreational vehicle applications. **IP20** SUITABILITY.	**PH6599**
Same as PH6599 except white in color.	**PH6599W***
Same as PH6599 except 25 ft. (7.6m) in length.	**PH6598**
Same as PH6598 except white in color.	**PH6598W***

*Note: *Discontinued.*

PH6599
PH6598

Centrex® is a registered trademark of LANXESS Corporation.

HUBBELL® *Wiring Device-Kellems*

www.hubbell-wiring.com

Telephone and Cable TV Devices

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Black polycarbonate combination telephone/TV outlet with spring-loaded weatherproof lift cover. Can be wired for telephone service only or for telephone and MATV/CATV services in one FS/FD box in both marinas and RV parks. Can be padlocked to prevent unauthorized use. **IP44** SUITABILITY.	**PH6597TV**
Black polycarbonate cable TV outlet has coax connector and gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes (like PH6619) in both marinas and RV parks. **IP20** SUITABILITY.	**TV97**
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes (like PH6619) in both marinas and RV parks. **IP20** SUITABILITY.	**PH6597**
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Can be used to retrofit old style telephone outlets of Pauluhn Manufacturing Company (2833 and 2843) in both marinas and RV parks. **IP20** SUITABILITY.	**PH6596**
Black polycarbonate RV inlet for telephone connection only. Has spring-loaded, gasketed weatherproof lift cover designed for mounting to FS/FD type weatherproof boxes. **IP20** SUITABILITY.	**PH6595**
Black non-metallic FS box with ¾ in. threaded hubs used for mounting phone and TV outlets and PH6595 recreational vehicle inlet. Cord connector included for strain relief and to maintain watertight integrity of box when cable is used. PVC adapter also included for connection of PVC conduit to box.	**PH6619**
50 ft. (15.2m) yellow jacketed ship-to-shore TV cable set is the industry standard 75 Ohm, RG59-U with male plugs on both ends. Adapter included for a quick, slip-on connection to inlet on boat.	**TV99**
Same as TV99 except white in color.	**TV99W**
Same as TV99 except 25 ft. (7.6m) in length.	**TV98**
Same as TV98 except white in color.	**TV98W**

PH6597TV

TV97

PH6597

PH6596

PH6595

PH6619

**TV99
TV99W
TV98
TV98W**

30 Amp 28 Volt DC Rated

Electric Fishing Reel Devices

Hubbell has a DC rated electrical system designed specifically for larger electric fishing reel systems. Up until now, larger electric fishing reel systems typically utilized conventional 30 Amp AC rated devices since an appropriately rated DC system was not available.

The system features a corrosion-resistant plug, connector body and receptacle and can be used along with a Hubbell outlet box and weatherproof cover plate to complete the installation. These devices are all rated at 28 Volt DC and applicable for all 12, 24 and 32 Volt DC fishing reel systems. The devices are UL listed and CSA certified. All devices are made of high-visibility yellow nylon that is impact resistant and UV stabilized for longer life. Also, the contacts are nickel plated for corrosion resistance.

HBL328DCR

HBL328DCP

HBL328DCC

30A 28V DC Rated Devices

Description	Catalog Number
Yellow locking single receptacle with abuse-resistant face. Can be mounted in Hubbell box HBL6083 and used wit HBL74CM25WOA weatherproof plate.	**HBL328DCR**
Same as HBL328DCR except white in color.	**HBL328DCRW**
Yellow locking plug has rugged nylon housing and rear dust seal to keep dust and foreign matter out.	**HBL328DCP**
Same as HBL328DCP except white in color.	**HBL328DCPW**
Yellow locking connector body has rugged, nylon housing and rear dust seal to keep dust and foreign matter out.	**HBL328DCC**

Accessories

Description	Catalog Number
Gray, high-impact thermoplastic FD (deep) weatherproof box with ¾ in. (19.1) NPT threaded hub, with 30 cubic inch capacity.	**HBL6083**
Same as HBL6083 except yellow in color.	**HBL60CM83A**
Same as HBL6083 except white in color.	**HBL60CM83WA**
Black phenolic type FS (shallow) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 2.19 in. D (115.9H x 74.6W x 55.6D) and has 16 cubic inch capacity.	**HBL6080OS**
Spring-loaded lift cover, for weatherproofing HBL328DCR outlet. Yellow in color.	**HBL74CM25WOA**
Same as HBL74CM25WOAW except white in color.	**HBL74CM25WOAW**
Same as HBL74CM25WOAW except gray in color.	**HBL7425WOA**

Note: See page AA-50 for 55° angle adapters and additional accessories.

HBL60CM83A

HBL6080OS

HBL74CM25WOA

HBL74CM25WOAW

HUBBELL® *Wiring Device-Kellems*

www.hubbell-wiring.com

12 Volt DC Rated Switches

KEY CHART

M11SP

1. Toggle switch
Fits panels up to ¼ in. thick when not using the back-up nut provided; fits panels up to ³⁄₁₆ in. thick when using the back-up nut. Requires a ½ in. mounting hole.

M11LRGSP

2. Lighted toggle switch
Built-in pilot light (R=red, G=green) for night vision. Same panel specs as 1.

M11LTR

3. Lighted-tip toggle switch
Red pilot light visible in tip of toggle only. Same panel specs as 1.

MR11SP

4. Rocker switch
Requires a 1½ in. high x ⅞ in. wide rectangular opening.

MR123LRSP

5. Lighted rocker switch
Built-in pilot light for night vision. Same panel specs as 4.

Panel Mount Toggle and Rocker Switches

Description	Typical Applications	Key	Catalog Number
Single pole, single throw, ON/OFF.	Lights, bilge blower, bilge pump(s), accessories	1	**M11SP**
		2	**M11LRSP**
		2	**M11LRGSP**
		3	**M11LTR**
		4	**MR11SP**
		5	**MR11LRSP**
Single pole, single throw, ON/OFF/ON.	Horn, starter, winches, gauges		**M11MSP**
			MR11MSP
Single pole, double throw, ON/OFF/ON.	Bilge pumps, speed selector, lights, navigation lights		**M123SP**
			M123LTR
			MR123SP
			MR123LRSP
Single pole, double throw, Momentary ON/OFF/ON.	Bilge pumps	1	**M123MSP**
		4	**MR123MSP**
Single pole, double throw. Momentary ON/OFF/Momentary ON.	Trim Tabs	1	**M123MMSP**
		4	**MR123MMSP**
Double pole, single throw, ON/OFF.	Lights, accessories	1	**M21SP**
		4	**MR21SP**
Double pole, double throw, ON/OFF/ON.	Navigation lights, wipers, dual fuel tanks	1	**M223SP**
		4	**MR223SP**
Double pole, double throw, ON/OFF/ON (with jumper).	Navigation lights, windlass	1	**M223JSP**
Double pole, double throw. Momentary ON/OFF/Momentary ON.	Winches, trim tabs, dual fuel tanks	1	**M223MMSP**
		4	**MR223MMSP**
Black silicone rubber boot bonded to brass nut.	Provides positive seal against moisture, oil, etc. Fits any non-lighted toggle switch.		**MSB1**
Push-button horn switch with ¹⁵⁄₃₂ in. long nickel plated brass mounting stem. Terminals are .25 in. spade.	For remote operation of horn.		**MH11**
Black push-button (horn) boot.	Fits MH11 horn switch.		**MHB11**

M11SP

MR11SP

M21SP

M223SP

MSB1

MH11

MHB11

15 Amp Twist-Lock® Devices and Accessories

HBL47CM00

HBL47CM20C

15A 125V AC Twist-Lock® Devices

Description	Catalog Number
Yellow duplex receptacle has heat resistant body. **IP20 SUITABILITY.**	**HBL47CM00**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL47CM20C**
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL47CM29C**
Panel mount flanged outlet has heat resistant melamine interior and stainless steel casing. **IP20 SUITABILITY.**	**HBL47CM15**
Panel mount flanged inlet has heat resistant melamine interior and stainless steel casing. **IP20 SUITABILITY.**	**HBL47CM16**

HBL47CM29C

HBL47CM15

Accessories

Description	Catalog Number
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.**	**HBL52CM21**
Same as HBL52CM21 except white in color	**HBL52CM21W**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Short yellow Seal-Tite® cover for weatherproofing HBL47CM20C Insulgrip plug when used with receptacles or connector bodies. Also can be used to weatherproof HBL47CM29C Insulgrip connector body when used with HBL47CM16 flanged inlet. **IP44 SUITABILITY.**	**HBL60CM23****
Yellow Seal-Tite cover for weatherproofing HBL47CM29C Insulgrip connector body when used on extension cords and adapters. **IP20 SUITABILITY.**	**HBL60CM24****
Three conductor, #14 AWG type STW, yellow PVC jacketed portable cord has jute fillers for added flexibility and is ideal for making cable sets, extension cords and adapters as it will not mark the boat's deck. Available in 250 ft. (76.2m) length only.	**YC314250**

Note: **Not UL Listed or CSA Certified.

HBL47CM16

HBL60CM23 **HBL60CM24** **HBL52CM21W** **YC314250**

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

15 Amp Straight Blade Devices and Accessories

15A 125V
NEMA 5-15R
UL/CSA

15A 125V AC Straight Blade Devices

Description	Catalog Number
Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts 15A 125V, 2 pole 3 wire straight blade plugs. **IP20 SUITABILITY.**	**HBL52CM62**
Same as HBL52CM62 except ivory in color.	**HBL52CM62I**
Single version of HBL52CM62 duplex yellow receptacle. **IP20 SUITABILITY.**	**HBL52CM61**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. **IP20 SUITABILITY.**	**HBL52CM66C**
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. **IP20 SUITABILITY.**	**HBL52CM69C**
Yellow Valise® plug has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). **IP20 SUITABILITY.**	**HBL52CM66V**
Yellow Valise connector body has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). **IP20 SUITABILITY.**	**HBL52CM69V**
Yellow Insulgrip plug with anchor locking screw to prevent accidental pull-out. The plug is "locked" into the receptacle when the screw is turned down so the head is flush with the plug surface. The cord grip range is .30–.69 in. (7.5–17.4). UL Recognized Component. **IP20 SUITABILITY.**	**HBL52CM80C**
Compact gray nylon panel mount inlet ideal for bass boat battery charging connection. Has gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Will accept both 15A 125V and 20A 125V, 2 pole 3 wire straight blade connector bodies. **IP44 SUITABILITY.**	**HBL61CM64**
Same as HBL61CM64 except black in color.	**HBL61CM64BK**

Note: See page Tech-10 for Weather Resistant description.

HBL52CM62   **HBL52CM61**

HBL52CM66C

HBL52CM69C

HBL52CM80C

Accessories

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used with receptacles and connector bodies. Can also be used to weatherproof Insulgrip connector bodies when mating with flanged inlets. **IP44 SUITABILITY.** Note: For Insulgrip devices only.	**HBL60CM17****
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55 SUITABILITY.** Note: For Insulgrip devices only.	**HBL60CM18****
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.**	**HBL52CM21**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL74CM23WO**
Same as HBL74CM23WO except gray in color.	**HBL7423WO**

Note: **Not UL Listed or CSA Certified.

HBL52CM66V

HBL52CM69V

HBL60CM17   **HBL60CM18**
HBL60CM19   **HBL52CM21**   **HBL74CM23WO**   **HBL61CM64**

Rynite® is a registered trademark of E. I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20 Amp Twist-Lock® Devices and Accessories

HBL23CM10

20A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20** SUITABILITY.	**HBL23CM10**
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20** SUITABILITY.	**HBL23CM11**
Yellow Insulgrip connector body has rugged nylon housing and cord with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20** SUITABILITY.	**HBL23CM13**
Yellow Valise plug has one-piece nylon housing, assembles easily with two screws. Built-in cord grip has range of .33–.72 in. (8.3–18.2). **IP20** SUITABILITY.	**HBL23CM11V**

HBL23CM11

HBL23CM13

Accessories

Description	Catalog Number
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL23CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	**HBL74CM25WOA**
Same as HBL74CM25WOA except gray in color.	**HBL7425WOA**
Same as HBL74CM25WOA except white in color.	**HBL74CM25WOAW**
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 or HBL23CM11 plugs. **IP44** SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM31****
Same as HBL60CM31 except white in color.	**HBL60CM31W****
Yellow Seal-Tite cover for weatherproofing HBL26CM13 or HBL23CM13 connector bodies when used on extension cords or adapters. **IP44** SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM32****
Yellow vinyl Seal-Tite cover for weatherproofing HBL23CM13V or HBL26CM13V connector bodies. **IP44** SUITABILITY. Note: Fits Valise® devices only.	**HBL60CM32V****
Yellow Seal-Tite cover for weatherproofing HBL23CM11V or HBL26CM11V plugs. **IP44** SUITABILITY. Note: Fits Valise devices only.	**HBL60CM31V****
Three conductor, #12 AWG type STW, yellow PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cords and adapters as will not mark boat's deck. Available in 250 ft. (76.2m) length only.	**YC312250**

Note: **Not UL Listed or CSA Certified.

HBL23CM11V

HBL60CM31

HBL60CM31V

HBL60CM32   **HBL60CM32V**   **HBL74CM25WOA**   **YC312250**

Rynite® is a registered trademark of E. I. DuPont.

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

20 Amp Straight Blade Devices and Accessories

20A 125V
NEMA 5-20R
UL/CSA

20A 125V AC Straight Blade Devices

Description	Catalog Number
Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. **IP20** SUITABILITY.	**HBL53CM62**
Single version of HBL53CM62 duplex yellow receptacle. **IP20** SUITABILITY.	**HBL53CM61**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement to provide secure strain relief. **IP20** SUITABILITY.	**HBL53CM66C**
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement for secure strain relief. **IP20** SUITABILITY.	**HBL53CM69C**
Compact gray nylon panel mount outlet ideal for electric trolling motors and reel applications. Features gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. **IP44** SUITABILITY.	**HBL61CM65**

Note: See page Tech-10 for Weather Resistant description.

HBL53CM62   **HBL53CM61**

HBL53CM66C

HBL53CM69C

Accessories

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used to mate receptacles and connector bodies. Can also be used with Insulgrip connector bodies when mating with flanged inlets. **IP44** SUITABILITY. Note: For Insulgrip devices only.	**HBL60CM17****
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55** SUITABILITY. Note: For Insulgrip devices only.	**HBL60CM18****
Yellow closure plug used with HBL60CM18 long Seal-Tite cover to prevent water from entering front of device when not in use. **IP55** SUITABILITY.	**HBL60CM19****
Yellow polycarbonate spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20** SUITABILITY. Not CSA certified.	**HBL52CM21**
Same as HBL52CM21 except white in color.	**HBL52CM21W**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow polycarbonate spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY. Not CSA certified.	**HBL74CM23WO**
Same as HBL74CM23WO except gray in color.	**HBL7423WO**

Note: **Not UL Listed or CSA Certified.

HBL52CM66V

HBL52CM69V

HBL61CM65

HBL60CM17   **HBL52CM21**   **HBL52CM21W**   **HBL74CM23WO**   **HBL7423WO**

Rynite® is a registered trademark of E. I. DuPont.

Circuit Testers

Hubbell Twist-Lock® Circuit Tester

The Hubbell Twist-Lock® Tester is an exclusive patented design that easily tests the circuit condition without the need for traditional measurement techniques. Whether it is a boater, marina operator or electrician, knowing that power is present at any receptacle or connector is critical. By plugging the tester into an outlet, an LED output will immediately provide the state of the circuit.

An easy to read card is provided with the tester, to help determine if the connections are made properly and in the correct position. This unique NEMA configuration ensures that the proper connection was made through an easy to read output display. It also easily attaches to a tool belt so it is available when needed.

For Testing the Wiring Condition of Receptacles and Connectors

- Quickly diagnose mis-wiring situation or application
- Great for dark, difficult to reach spaces
- No measurement readings to interpret

- Easy to read LED output and condition tables
- Insulgrip® nylon housing for secure gripping
- Carabiner style clip to secure to work belt
- UL 1436 listed

Hubbell Twist-Lock® Circuit Tester

HBLT26CM11

Description	Catalog Number
Styled and sized like a standard Hubbell Twist-Lock® Plug. Simply plug it in and the LED back panel immediately identifies if the connections are made correctly and are in the correct position, ensuring the device is wired properly. An easy to read card is provided with the tester, to help determine if the connections are correct. This tester is compact and can easily clip onto your tool belt. The Hubbell Circuit Tester is UL and C-UL Listed.	**HBLT26CM11**

Additional Testers

GFT2G

HBL5200

Description	Catalog Number
This unit is designed to measure the trip level of GFCI portables, receptacles, or breakers within any range from 2 to 7 milliamperes, or the leakage in portable tools or appliances within a leakage range of 1 to 7 milliamperes. It can be used on any AC circuit of 110 to 130V.	**GFT2G***
This outlet circuit tester has a simple arrangement of neon lights which visually indicate correct wiring, reversed polarity, open ground wire, open neutral wire, open hot wire, hot and ground reversed and hot wire on neutral terminal and hot terminal unwired. Simply plug the HBL5200 into a single phase 125V 2 pole 3 wire outlet and the combination of lighted and/or unlighted lamps will immediately indicate the condition of the circuit. The instructions and symbol identification are printed on durable polyester labels permanently attached to the tester. To test other 2 pole 3 wire single phase 125V outlets, use one of the proper adapters shown on page AA-29.	**HBL5200****

*Note: *Not UL Listed or CSA Certified.*
       **Not CSA Certified.*

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Features and Benefits

USB Charger Receptacles

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

Hubbell's new weather resistant USB charger receptacle offers a safe and reliable solution, conveniently expanding way to charge portable electronics. Now, being outdoors no longer means worrying about finding a charging source. Weather resistant receptacles comply with Section 406.9 of the National Electrical Code when used with covers.

Common Features

• LED ON to indicate USB and line voltage power available

• USB stainless steel ports rated for minimum 10,000 insertions and removals

• Complies with battery charging specification BC1.2

• Designed for commercial, industrial and home use

• Compatible with USB 1.1/2.0/3.0 devices, including Apple® products

USB Chargers
• Two Type-C port configurations
• One Type A and one Type-C port
• Two Type A port configurations
• High power 5 Amp, 5 Volt DC USB output
• Tamper-Resistant decorator duplex receptacle

Weather Resistant Type A&C USB Charger
• One Type A and one Type-C port configurations
• Meets Section 406.9 of NEC® with cover
• 5 Amp, 5 Volt USB output
• Power indicating green LED light

Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V AC	20A 125V
Type A&C USB Charger receptacle, one Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade.	Ivory Light Almond White	**USB15AC5IWR** **USB15AC5LAWR** **USB15AC5WWR**	**USB20AC5IWR** **USB20AC5LAWR** **USB20AC5WWR**

Note: Outdoor circuits should be GFCI protected per national and local electric codes. Also available in black, brown and gray. See page Tech-10 for Weather and Tamper-Resistant descriptions.

USB15AC5WWR

Standard USB Charger Tamper-Resistant Duplex Receptacles

Description	Color	15A 125V AC
Type-C USB Charger Receptacle, two Type-C port configurations, high power 5 Amp, 5 Volt USB output.	Ivory Light Almond White	**USB15C5I** **USB15C5LA** **USB15C5W**
Type A&C USB Charger Receptacle, one Type A and one Type-C port configuration, high power 5 Amp, 5 Volt USB output.	Ivory Light Almond White	**USB15AC5I** **USB15AC5LA** **USB15AC5W**
Type A USB Charger Receptacle, two Type A port configurations, high power 5 Amp, 5 Volt USB output.	Ivory Light Almond White	**USB15A5I** **USB15A5LA** **USB15A5W**

Note: Also available in black, brown and gray.

Apple® is a registered trademark of Apple Inc.
NEC® is a registered trademark of the The National Electrical Code.

USB15AC5W

GFCI and Portable Ground Fault Circuit Interrupters

The American Boat and Yacht Council recommends the use of ground fault protected receptacles in a head, galley, machinery space or on a weather deck. Refer to ABYC "Ground Fault Protection" on page AA-52.

New Hubbell Weather Resistant and Extra Heavy Duty Corrosion Resistant Weather and Tamper-Resistant Ground Fault Receptacles

Hubbell now offers a Ground Fault Receptacle for every application.

Hubbell's GFCI offering, with patented self-test technology, continually tests and monitors itself to insure proper functioning.

Hubbell's GFCI Receptacle line-up now includes:

• Standard Commercial Series; for typical standard use

• Weather Resistant Series; meets NEC® requirements for weather resistance, UV and corrosion resistance for harsh and damp applications.

• Extra Heavy Duty Corrosion Resistant Series; has high-impact and UV stabilized housing, nickel-plated face contacts, mounting strap and terminals to withstand the most demanding environments and applications.

GF5262SGYEL

CWP26CRW

GFP15M

GFP315A

GFP6C15M
GFP25C15M

Ground Fault Receptacles

Description	Color	OEM Version Standard Series	Marine Packaging Weather Resistant Series	Extra Heavy Duty Series
15A 125V GFCI receptacle.	Ivory	GFRST15I	GFRST52MI	GF5262SGI
	Light Almond	GFRST15LA	GFRST52MLA	–
	White	GFRST15W	GFRST52MW	GF5262SGW
	Yellow	–	–	GF5262SGYEL

Note: Also available in black, brown and gray. See page Tech-10 for Tamper and Weather Resistant descriptions.

Hubbell's GFCI receptacles can be mounted on any standard 2.50 inch (63.5) deep box. A feed-through feature provides protection not only at that receptacle but also at any other receptacle located downstream from it on the same circuit. These devices meet the requirements of The National Electric Code (NEC®) and American Boat and Yacht Council Standard and will accept locking fork terminals.

Caution: Ground Fault Receptacles should not be mounted in locations exposed to salt spray nor in the engine room. For GFCI protection of such locations, downstream feeding from an internally located Ground Fault Receptacle is recommended.

Description	Color	Catalog Number
PVC weatherproof lift cover for ground fault receptacles (such as GFRST52M series) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	Gray White	CWP26CR CWP26CRW

Portable Ground Fault Circuit Interrupters (GFCI)

Ideal for providing safety in applications requiring multiple outlets, features gasketed cover to protect outlets not in use. Ensures safety by interrupting power when leakage to ground is 4 to 6 milliamperes. A test button allows the user to test that the GFCI is in working order. This portable solution provides open neutral protection.

Description	Catalog Number
The housing is high-impact yellow polycarbonate as are the liftcovers which protect the receptacles from dirt and damage. Incorporates a 20 Amp GFCI module that can be replaced in the field. The module provides not only ground fault protection, but also contains the no voltage release feature.	GFP15M
3-outlet plug-in unit. Plugs into boat convenience receptacles to provide ground fault protection.	GFP315A

Note: GFCI devices will not protect against overloads or short circuits.

15A 125V GFCI Line Cord Devices

Description	Line Cord Length	Catalog Number
Ideal for personal plug-in protection at marinas and onboard boats when used with pumps, drills, sanders and all portable electrical equipment. GFCI mechanism is watertight and approved for outdoor use. High visibility yellow SJTW-A power cord resists moisture, chemicals and sunlight.	6 ft. (1.8m) 25 ft. (7.6m)	GFP6C15M GFP25C15M

NEC® is a registered trademark of the The National Electrical Code.

15 and 20 Amp Receptacles

Style Line® Decorator Receptacles

• High-impact nylon face resists breaking, chipping and cracking.

• Will accept locking fork terminal to comply with ABYC standards.

• Available in 4 colors for any decor with matching wall plates.

• Smooth, high-gloss finish for rich appearance.

Commercial Style Line® Decorator Series

Description	Color	Standard Duplex	Duplex, Tamper-Resistant	Duplex, Weather and Tamper-Resistant
15A 125V duplex receptacle.	Almond	DR15AL	DR15ALTR	–
	Black	DR15BLK	DR15BLKTR	DR15BLKWRTR
	Brown	DR15	DR15TR	DR15WRTR
	Gray	DR15GRY	DR15GRYTR	DR15GRYWRTR
	Ivory	DR15I	DR15ITR	DR15IWRTR
	Light Almond	DR15LA	DR15LATR	DR15LAWRTR
	White	DR15WHI	DR15WHITR	DR15WHIWRTR

DR15ITR **DR15GRYWRTR**

Commercial Series

Description	Color	Standard Duplex, Spec. Grade, Side Wired	Duplex, Tamper-Resistant	Duplex, Weather and Tamper-Resistant, Back and Side Wired
15A 125V duplex receptacle.	Almond	CR15AL	CR15ALTR	–
	Black	CR15BLK	CR15BLKTR	BR15BLKWRTR
	Brown	CR15	CR15TR	BR15WRTR
	Gray	CR15GRY	CR15GRYTR	BR15GRYWRTR
	Ivory	CR15I	CR15ITR	BR15IWRTR
	Light Almond	CR15LA	CR15LATR	BR15LAWRTR
	White	CR15WHI	CR15WHITR	BR15WHIWRTR

Note: All devices above will accept locking fork terminal to comply with ABYC standards.
See page Tech-10 for Tamper and Weather Resistant descriptions.

CR15TR **BR15IWRTR**

Extra Heavy Duty Single Receptacles

Description	Color	Catalog Number
15A 125V single receptacle.	Brown	HBL5251
	Ivory	HBL5251I
20A 125V single receptacle.	Brown	HBL5361
	Ivory	HBL5361I

HBL5251 **HBL5361I**

Corrosion-Resistant Receptacles

Description	Color	Catalog Number
15A 125V yellow corrosion-resistant duplex receptacle. Use where salt or other corrosive elements are a problem.	Yellow	HBL52CM62
Same as HBL52CM62 except ivory in color.	Ivory	HBL52CM62I

Special Application Illuminated Receptacle

Description	Color	Catalog Number
Illuminated receptacle 15A 125V grounding. A high quality receptacle with an illuminated face. Ideal for use in halls or as a gentle night light.	Ivory	HBL8200ILI

Note: See page Tech-10 for Weather Resistant description.

HBL52CM62I **HBL8200ILI**

Switches and Accessories

CS115I

HBL1221IL   **HBL1221PL**

HBL1281   **HBL1283**

HBL17CM50   **HBL1795**

HBL6079

Commercial Series

Description	Toggle Color	Catalog Number
15A single-pole toggle switch for controlling AC load from one point.	Black	**CS115BK**
	Brown	**CS115**
	Gray	**CS115GY**
	Ivory	**CS115I**
	Light Almond	**CS115LA**
	White	**CS115W**
15A three-way toggle switch for controlling AC load from two points.	Black	**CS315BK**
	Brown	**CS315**
	Gray	**CS315GY**
	Ivory	**CS315I**
	Light Almond	**CS315LA**
	White	**CS315W**

Note: All devices above will accept locking fork terminal to comply with ABYC standards.

Special Application Series

Description	Catalog Number
20A 120V toggle switch with LED lamp set in ivory handle. Handle illuminates when switch is in "OFF" position.	**HBL1221IL**
20A 120V three-way toggle switch with LED illuminated ivory handle for controlling AC load from two points. Handle illuminates when "OFF".	**HBL1223IL**
20A 120V single-pole toggle switch with LED lamp set in clear red handle. Handle illuminates when switch is "ON". Serves as instant reminder that current is flowing to an appliance.	**HBL1221PL**
20A 120V three-way toggle switch with LED for controlling AC load from two points. Red handle illuminates when "ON".	**HBL1223PL**
Single-pole PresSwitch® for controlling AC load from one point. Switch activated brown button.	**HBL1281**
Same as HBL1281 except ivory button.	**HBL1281I**
Three-way PresSwitch for controlling AC load from two points. Switch activated brown button.	**HBL1283***
Same as HBL1283 except ivory button.	**HBL1283I***

Accessories

Description	Catalog Number
Yellow neoprene weatherproof plate for use only with PresSwitches. PresSwitch button is activated when bubble is pressed. Not CSA certified.	**HBL17CM50***
Clear silicone rubber weatherproof bubble plate for use with all AC toggle switches and PresSwitches. Also ideal for use with lighted handle toggle switches. Not CSA certified.	**HBL1795**
Plastic switch/receptacle box. Measures 3.281" x 2.188" x 2.50" (83.3 x 55.6 x 63.5) deep. For mounting in walls without studs. A support strap is provided which pulls box tightly against back side of wall.	**HBL6079****

Note: *Not UL Listed.
       **Not CSA Certified.

HUBBELL® *Wiring Device-Kellems*   www.hubbell-wiring.com

Wallplates

Nylon plates—virtually unbreakable
- Rounded corners for stylish look
- Reinforced ribs for extra strength
- Screws are factory-inserted for fumble-free installation

Stainless Steel plates
- Type 302/304
- Non-magnetic
- Ideal for highly corrosive environments

Description		Color	Smooth Nylon		Material	Smooth Metal Catalog Number
			Standard	Mid-Size		
	1-Gang, 1-Toggle	Black	NP1BK	NPJ1BK	Brass	SB1
		Brown	NP1	NPJ1	Stainless Steel	SS1
		Gray	NP1GY	NPJ1GY		
		Ivory	NP1I	NPJ1I		
		White	NP1W	NPJ1W		
	1-Gang, 1-Duplex	Black	NP8BK	NPJ8BK	Brass	SB8
		Brown	NP8	NPJ8	Stainless Steel	SS8
		Gray	NP8GY	NPJ8GY		
		Ivory	NP8I	NPJ8I		
		White	NP8W	NPJ8W		
	1-Gang, 1-Decorator	Black	NP26BK	NPJ26BK	Brass	SB26
		Brown	NP26	NPJ26	Stainless Steel	SS26
		Gray	NP26GY	NPJ26GY		
		Ivory	NP26I	NPJ26I		
		White	NP26W	NPJ26W		
	2-Gang, 2-Toggle	Black	NP2BK	NPJ2BK	Brass	SB2
		Brown	NP2	NPJ2	Stainless Steel	SS2
		Gray	NP2GY	NPJ2GY		
		Ivory	NP2I	NPJ2I		
		White	NP2W	NPJ2W		
	2-Gang, 2-Duplex	Black	NP82BK	NPJ82BK	Brass	SB82
		Brown	NP82	NPJ82	Stainless Steel	SS82
		Gray	NP82GY	NPJ82GY		
		Ivory	NP82I	NPJ82I		
		White	NP82W	NPJ82W		
	2-Gang, 2-Decorator	Black	NP262BK	NPJ262BK	Brass	SB262
		Brown	NP262	NPJ262	Stainless Steel	SS262
		Gray	NP262GY	NPJ262GY		
		Ivory	NP262I	NPJ262I		
		White	NP262W	NPJ262W		
	2-Gang, 1-Toggle, 1-Duplex	Black	NP18BK	NPJ18BK	Brass	SB18
		Brown	NP18	NPJ18	Stainless Steel	SS18
		Gray	NP18GY	NPJ18GY		
		Ivory	NP18I	NPJ18I		
		White	NP18W	NPJ18W		
	2-Gang, 1-Toggle, 1-Decorator	Black	NP126BK	NPJ126BK	Brass	SB126
		Brown	NP126	NPJ126	Stainless Steel	SS126
		Gray	NP126GY	NPJ126GY		
		Ivory	NP126I	NPJ126I		
		White	NP126W	NPJ126W		
	1-Gang, 1-Single 1.40" Dia. Hole	Black	NP7BK	NPJ7BK	Brass	SB7
		Brown	NP7	NPJ7	Stainless Steel	SS7
		Gray	NP7GY	NPJ7GY		
		Ivory	NP7I	NPJ7I		
		White	NP7W	NPJ7W		
	1-Gang, 1-Blank, Box Mount	Black	NP13BK	NPJ13BK	Brass	SB13
		Brown	NP13	NPJ13	Stainless Steel	SS13
		Gray	NP13GY	NPJ13GY		
		Ivory	NP13I	NPJ13I		
		White	NP13W	NPJ13W		

Communication Frames and Connectors

Hubbell Now Offers The Ability To Put 2 or 3 Communication Devices In a Single, Style Line® Plate

Any combination of phone (6-position jack), cable TV (F-type connector) and Category 5e modular data jacks can be assembled onto a 2-port or 3-port frame—each sold individually so you can customize them as needed. Or the highly popular phone and cable TV combination is available with the frame and matching wallplate under a single catalog number, in all the popular colors.

Finally—a single communications plate that can take the place of 2 or 3 plates—available from a company you can trust for superior quality.

Hubbell's Marine communication frames and connectors deliver high quality data and multimedia transmission to the point of connection. Hubbell's 2 and 3 port Style Line® frames and leading edge connections allow for customized configurations. Install Hubbell's Marine communication offering and be assured a reliable connection.

NS783I

NS612I

NS613I

NSJ6W

NSJ5EW

NSJUW

SFFGEI

2 Port Communication Frame, Fully Loaded (6-Position Phone Jack, F-Type Cable TV Jack and Style Line® Plate Included)

Color	No. of Ports	Connection Type	Catalog Number
Ivory	2	USOC, F-Type	**NS783I**
White	2	USOC, F-Type	**NS783W**

Style Line® Frames, 2 Port and 3 Port Unloaded

Color	No. of Ports	Connection Type	Catalog Number
Black	2	–	**NS612BK**
Gray	2	–	**NS612GY**
Ivory	2	–	**NS612I**
White	2	–	**NS612W**
Black	3	–	**NS613BK**
Gray	3	–	**NS613GY**
Ivory	3	–	**NS613I**
White	3	–	**NS613W**

Category 6 Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	**NSJ6BK**
Gray	T568A/T568B	8-Positions	**NSJ6GY**
Ivory	T568A/T568B	8-Positions	**NSJ6I**
White	T568A/T568B	8-Positions	**NSJ6W**

Category 5e Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	**NSJ5EBK**
Gray	T568A/T568B	8-Positions	**NSJ5EGY**
Ivory	T568A/T568B	8-Positions	**NSJ5EI**
White	T568A/T568B	8-Positions	**NSJ5EW**

USOC Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	USOC	6-Positions	**NSJUBK**
Gray	USOC	6-Positions	**NSJUGY**
Ivory	USOC	6-Positions	**NSJUI**
White	USOC	6-Positions	**NSJUW**

F-Type Connector Keystone

Color	Catalog Number
Black	**SFFGBK**
Gray	**SFFGGY**
Ivory	**SFFGEI**
White	**SFFGW**

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

Boatyard Accessory Items

Non-Metallic While-In-Use Weatherproof Covers

- High-impact polycarbonate construction provides maximum durability
- Patented keyhole mounting system allows installation in under a minute
- Includes attached gasket and mounting hardware
- Pre-configured for GFCI with patented knockout technology for alternate devices
- Lockable tab
- NEMA 3R rated
- EXTRA DUTY® 5800 Series covers meet or exceed the extra duty rating per UL 514D and are NEMA 3R rated
- 2017 NEC® Compliant (Article 406.9A & B)
- cULus Listed

1-Gang Weatherproof Covers for Vertical or Horizontal Mounting

Description	Standard	EXTRA DUTY®
Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below.	**RW57300**	**RW58300**
Jumbo, non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below.	**RW57350**	**RW58350**

RW57300 **RW58300**

16-in-1

GFCI + Adapters (Included) or = Duplex Switch 1 1/4" 1 3/8" 1 9/16" & 1 5/8" 1 3/4" 2 1/8"

Duplex Switch 1 1/4" 1 3/8" 1 9/16" & 1 5/8" 1 3/4" 2 1/8"

RW57350 **RW58350**

2-Gang Weatherproof Covers for Vertical Mounting Only

Description	Standard	EXTRA DUTY®
Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 55-in-1 configurations below	**RW57750**	**RW58750**

Note: Required by the NEC® for while-in-use outdoor power distribution. Thermoplastic covers provide protection for use in wet locations with the cover closed, NEMA® 3R rated. Meets 2017 NEC 406.9 – receptacles in damp or wet locations. Holes for padlocks are .40 inch.

RW57750 **RW58750**

55-in-1

Multiple combinations of duplex, GFCI, switch, and rounds: 1 1/4", 1 3/8", 1 9/16", 1 5/8", 1 11/16", 2 1/8", 2 /4", 2 7/16"

Product Dimensions   Inches (mm)

	1-Gang		Jumbo, 1-Gang		2-Gang	
	Standard	EXTRA DUTY®	Standard	EXTRA DUTY®	Standard	EXTRA DUTY®
A	5.54" (140.7)	5.90" (149.9)	5.54" (140.7)	5.92" (150.4)	5.54" (140.7)	5.54" (140.7)
B	3.79" (96.3)	4.18" (106.2)	3.79" (96.3)	4.20" (106.7)	5.43" (137.9)	5.43" (137.9)
C	3.07" (78.0)	3.00" (76.2)	5.08" (129.0)	5.10" (129.5)	3.07" (78.0)	3.07" (78.0)

Dimensions in Inches (mm)

NEC® is a registered trademark of the The National Electrical Code.
NEMA® is a registered trademark of The National Electrical Manufacturers Association.

Features and Benefits

Stainless Steel Weatherproof and Watertight Flip Covers

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty #316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities. Meets Section 406.9 of NEC®.

- UL Type 3R:
  - Rain-tight and sleet (Ice) resistant
  - Self-closing lid

- UL Type 4X:
  - Watertight, dust-tight and corrosion resistant for wash-down application
  - Latching cover

Flip Cover Design
- Manufactured in heavy duty #316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- Smooth surfaces to allow ease of cleaning
- Horizontal and vertical mounting positions
- Duplex and GFCI versions

Self-Closing Design
- Self-closing cover
- Neoprene gasket on underside of cover. For sealing when the cover is closed

HBLSS83R

HBLSS263R

HBLSS84X

HBLSS264X

Stainless Steel Weatherproof Flip Covers

Description	Catalog Number
1-Gang, stainless steel duplex, 3R, self-closing cover.	**HBLSS83R**
1-Gang, stainless steel GFCI, 3R, self-closing cover.	**HBLSS263R**
1-Gang, stainless steel duplex, 4X, latching cover.	**HBLSS84X**
1-Gang, stainless steel GFCI, 4X, latching cover.	**HBLSS264X**

Product Dimensions   Inches (mm)

Catalog Number	Height	Width	Depth	Opening
HBLSS83R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS263R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
HBLSS84X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS264X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)

2.76" (70.0)   4.85" (123.2)   .88" (22.4) REF.   .79" (20.1)   3.04" (77.2)

Specifications

Base & Cover	Stainless Steel
Hinge Pin & Spring	Stainless Steel
Base & Cover Gasket	Elastomer
Back Gasket	Eva Form
Ground Screw	Steel, Zinc Plated
Mounting Screw	Stainless Steel

Dimensions in Inches (mm)   *NEC® is a registered trademark of the The National Electrical Code.*

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Boatyard Accessory Items

Marine Grade Weatherproof Plates

Description	Color	Catalog Number
Thermoplastic vertical spring-loaded lift cover plate for weatherproofing ground fault receptacles and decorator-type devices. Marine drip-proof rated with stainless steel hardware. **IP44** SUITABILITY.	Gray Yellow	**HBL5226** **HBL52CM26**
Same as above except for horizontal mounting.	Gray Yellow	**HBL5226H** **HBL52CM26H**
Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20** SUITABILITY.	Gray Yellow White	**HBL5221** **HBL52CM21** **HBL52CM21W**
Same as HBL52CM21 except for mounting to standard boxes.	Gray Yellow	**HBL5222** **HBL52CM22**
Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	Gray Yellow	**HBL7423WO** **HBL74CM23WO**
Valox spring-loaded lift cover for weatherproofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	Gray Yellow	**HBL7424WO** **HBL74CM24WO**
Valox spring-loaded lift cover for weatherproofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	Gray Yellow White	**HBL7425WOA** **HBL74CM25WOA** **HBL74CM25WOAW**
Valox lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44** SUITABILITY.	Gray Yellow	**HBL7774WO** **HBL77CM74WO**

HBL52CM26

HBL52CM21W

HBL52CM26H

Commercial Grade Weatherproof Plates

Available in a host of configurations—Twist-Lock® and straight blade receptacles in single or duplex as well as switches—these plates are perfect for marine use. The PVC resists deterioration over time and has high tensile and impact strength. Each plate comes with a tightly sealing, rubberized gasket and a super strong lift cover spring.

Description	Catalog Number
Gray thermoplastic weatherproof lift cover for toggle switches (such as CS115). For vertical mounting in standard or FS/FD type boxes.	**HBL5201**
Gray PVC weatherproof lift cover for duplex receptacles (such as HBL52CM62). For vertical mounting in standard or FS/FD type boxes.	**CWP8CR**
Gray PVC weatherproof lift cover for ground fault receptacles (such as GF5252MGYA) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	**CWP26CR**
Same as CWP26CR except white in color.	**CWP26CRW**

HBL52CM21

HBL74CM23WO

CWP8CR

CWP26CR

HBL5201

HBL77CM74WO

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Boatyard Accessory Items

Marine Grade Dockside Boxes and Covers

30 cu. in. FD box made of high impact thermoplastic material. Accepts duplex and single receptacles up to 50A Twist-Lock®.

IMPROVED DESIGN

Housing Design
- ¾" NPT and 1" NPT threaded hub options
- 30 cu. in. FD box made of high impact thermoplastic material
- External mounting feet, accepts #10 screw
- Stainless steel mounting/grounding bracket

Housing Design
- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Stainless steel mounting/grounding bracket

HBL60CM83A

HBLP14FS

HBL60CM88

PH6619

HBL6082

HBL6081

FD Boxes, Angled Adapters, Kits and Covers

Boxes	Gray	White	Yellow
(2) ¾" NPT Hubs, FD Boxes	HBL6083	HBL60CM83WA	HBL60CM83A
(2) 1" NPT Hubs, FD Boxes	HBL6084	HBL60CM84WA	HBL60CM84A
Adapters*			
55° Angle Adapters	HBL6055*	HBL60CM55W*	HBL60CM55*
Kits			
(2) ¾" NPT Hubs, Box/Adapter Kits	HBL6083AK	HBL60CM83WAK	HBL60CM83AK
(2) 1" NPT Hubs, Box/Adapter Kits	HBL6084AK	HBL60CM84WAK	HBL60CM84AK
Covers			
Blank Cover Plates	HBLP14FS	HBL60CM88W	HBL60CM88

*Note: *Adapters are not UL Listed, nor UL Type 4X. For UL Type 4X rating, use receptacles in a FD box.*

Marine Grade Dockside Boxes and Covers

Description	Catalog Number
Black phenolic type FS (shallow) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 2.19 in. D (115.9H x 74.6W x 55.6D) and has 16 cubic inch capacity.	HBL6080OS
Black non-metallic FS box with ¾ in. threaded hubs used for mounting phone and TV outlets and PH6595 recreational vehicle inlet. Cord connector included for strain relief and to maintain watertight integrity of box when cable is used. PVC adapter also included for connection of PVC conduit to box.	PH6619
Black phenolic junction box with four ¾ in. (19.1) I.P.S. molded-in knock-outs. Has 4.13 in. (104.8) diameter and is 1.88 in. (47.6) deep.	HBL6081
Phenolic blank cover, ¼ in. (6.4) thick, for HBL6081 box.	HBL6082
Black phenolic blank cover plate for HBL6080OS.	HBL6087
Yellow Valox® blank cover plate for use with FS and FD type boxes.	HBL60CM88

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Boatyard Accessory Items

Non-Metallic Vapor-tight Incandescent Fixtures

These non-metallic, vapor-tight incandescent fixtures offer long life and trouble-free lighting in wet locations in marinas and on boats. Some features of these new units are:

• UV resistant, gray, glass filled thermoplastic polyester box, mounting adapters and globe guards resists abuse and harmful effects of the elements

• Excellent temperature operating range of -40°F (-40°C) to +302°F (150°) for use in areas with wide temperature variations or extreme ambient temperatures

• High temperature silicone gasketing maintains integrity and molded threads for ease of installation/removal

• Heat resistant glass globe withstands thermal shock in wet locations and has thread type mounting to assure weathertight sealing

• High strength protective globe guard helps prevent accidental globe and lamp breakage

• Accommodates Type A incandescent lamps up to 150 watts

• UL 1598 Standard for luminaries

• UL 1598A Marine type luminaries

NVX15GHGA

NVA15GHGA

Lighting and Lighting Fixtures

Description	Catalog Number
Ceiling mount non-metallic, vapor-tight incandescent luminaries including the fixture, mounting box, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	**NVX15GHGA**
Pendant mount non-metallic, vapor-tight incandescent luminaries including fixture, mounting cap, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	**NVA15GHGA**
Wall mount bracket only to adapt NVX15GHGA ceiling mount fixture to a wall mount fixture. Order NVBA and NVX15GHGA to get wall mount fixture.	**NVBA**
Replacement guard to NVX15GHGA and NVA15GHGA.	**NVGA**
Heat resistant replacement globe for NVX15GHGA and NVA15GHGA. Made of tempered glass.	**VCGP100**

NVBA

VCGP100

Nylon Watertight Strain Relief Cord Connectors

These Hubbell nylon cord connectors provide strain relief and a watertight seal where cable enters a piece of equipment, panel, or box. A patented GOTCHA® ring, with a split and hinge design, allows for better adjustment to the cord as the connector nut is tightened, providing superior cord gripping compared to other types. A soft neoprene bushing compresses to keep liquids out and allows the nut to be easily tightened.

Description			Catalog Number
A gray male PVC adapter with ¾ in. NPT pipe thread for adapting PVC conduit to FS and FD boxes with ¾ in. NPT hub (HBL6080, HBL6080OS, HBL60CM83). Not UL Listed.			**HBL6085**

Description	NPT Hub Size	Diameter Range	Catalog Number
Straight nylon cord connector	½ in.	.25–.38 in. (6.4–9.5)	**HBL10CM22S**
	½ in.	.38–.50 in. (9.5–12.7)	**HBL10CM23S**
	¾ in.	.38–.50 in. (9.5–12.7)	**HBL10CM35S**
	¾ in.	.50–.63 in. (12.7–15.9)	**HBL10CM36S**
	¾ in.	.63–.75 in. (15.9–19.1)	**HBL10CM37S**
	1.0 in.	.63–.75 in. (15.9–19.1)	**HBL10CM41S**

HBL6085

HBL10CM22S

Electrical Standards

Codes and Specifications

ABYC Standard, July 2015, E-11 Excerpts.

11.4 DEFINITIONS – For the purposes of this standard, the following definitions apply.

11.4.11 Equipment Leakage Circuit Interrupter (ELCI) - A residual current device which detects equipment ground fault leakage current and disconnects all current carrying conductors from the supply source at a preset trip threshold.

11.4.14 Ground fault circuit interrupter (GFCI) - A device intended for the protection of personnel that functions to de-energize a circuit, or portion thereof, within an established period of time when a current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit.

11.4.34 Watertight - Constructed so that water will not enter the enclosure under the test conditions specified in NEMA Standard 250, Type 6P or IEC Standard 60529 Type IP67.

11.4.35 Weatherproof - Constructed or protected so that exposure to the weather will not interfere with successful operation under the test conditions specified in NEMA Standard 250, Type 3 or IEC Standard 60529 Type IP54.

11.11 GROUND FAULT PROTECTION — AC SYSTEMS

11.11.1 An Equipment Leakage Circuit Interrupter (ELCI) or Type A Residual Current Device (RCD) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional overcurrent protection as required by E-11.10.2.8.3 whichever is closer to the shore power connection.

11.11.1.1 Trip level shall be a maximum of 30mA. The trip time shall be a maximum of 100ms.

11.11.1.4 The ELCI shall be readily accessible.

Note: A ground fault circuit interrupter (GFCI) may be used on single phase AC circuits to provide additional protection for personnel and equipment.

11.11.5 GFCI receptacle devices shall meet the requirements of Underwriters Laboratories' standard UL 943, Ground Fault Circuit Interrupters and the requirements of UL 498, Electrical Attachment Plugs and Receptacles.

Note: GFCI receptacle devices may be installed as part of a convenience outlet installation either in single outlet applications or in multiple feed through installations. (See E-11.13.3.5)

11.12 SWITCHES

11.12.1.1 Switches shall have voltage ratings not less than the system voltage, current ratings not less than the connected load and shall be rated for the type of load, i.e., inductive or resistive.

11.12.3.1 Switches used in branch circuits shall simultaneously open all ungrounded conductor(s) of the branch circuit.

11.13 PLUGS AND RECEPTACLES

11.13.1.1 Receptacles shall be installed in locations not normally subject to rain, spray, or flooding but if receptacles are used in such areas the following shall apply:

11.13.1.1.1 Receptacles installed in locations subject to rain, spray, or splash shall be weatherproof when not in use.

Note: Weatherproofing may be provided by means such as spring-loaded, self-closing, or snap type receptacle covers.

11.13.1.1.2 Receptacles installed in areas subject to flooding or momentary submersion shall be of a watertight design as may be provided by a threaded, gasketed cover.

11.13.1.3 Receptacles and matching plugs used on AC systems shall not be interchangeable with receptacles and matching plugs used on DC systems.

11.13.3.1 Receptacles shall be installed in boxes that meet the requirements of UL 514A, Metallic Outlet Boxes, or 514C, Non-metallic Outlet Boxes, Flush Device Boxes And Covers.

11.13.3.2 Receptacles shall be of the grounding type with a terminal provided for the grounding (green) conductor as shown in Figure 11, Figure 12 and Figure 13 of ABYC E-11.

11.13.3.3 Power wiring for receptacles shall be connected so that the grounded (white) conductor attaches to the terminal identified by the word "white" or a light color (normally white or silver). The ungrounded conductor(s) shall be attached to the terminal(s) identified by a dark color (normally brass or copper) and, optionally, the letters X, Y and Z or L1, L2 and L3.

11.13.3.4 A branch circuit supplying a combination of receptacle loads and permanently connected loads shall not supply permanently connected loads in excess of the following:

11.13.3.4.1 600 watts for a 15 ampere circuit.

11.13.3.4.2 1000 watts for a 20 ampere circuit.

11.13.3.5 If installed in a head, galley, machinery space, or on a weather deck, the receptacle shall be protected by a Type A (nominal 5 milliamperes) Ground Fault Circuit Interrupter (GFCI). (See E-11.11.)

Note: GFCI receptacle devices are not necessarily ignition protected per E-11.5.1.4.

11.6.2.2 SHORE POWER

11.6.2.2.2.1 Power Inlet - The receptacle, or receptacles, installed to receive a connecting cable to carry AC shore power aboard shall be a male type connector.

11.6.2.2.2.2 Power inlets installed in locations subject to rain, spray, or splash shall be weatherproof whether or not in use.

11.6.2.2.2.2.1 Power inlets installed in areas subject to flooding or momentary submersion shall be watertight whether or not in use.

11.6.2.2.2.3 Metallic power inlets installed on metallic or carbon fiber reinforced boats using an isolation transformer or a galvanic isolator shall be insulated from metallic structure and components. On non-metallic boats using an isolation transformer or a galvanic isolator the power inlet shall be insulated from metallic components connected to the boat's ground.

11.6.2.2.1.1 Shore Power Cable – On each boat equipped with an AC shore power system, a shore power cable that contains the conductors for the power circuit and a grounding (green) conductor shall be provided.

11.6.2.2.1.2 Except where the shore power cable is permanently connected to the boat, the boat end of this cable shall be terminated with a locking and grounding female type connector to match the boat power inlet. (See Figure 12 and Figure 13 of ABYC E-11).

11.6.2.2.1.3 The shore power cable shall be flexible cord with the minimum properties of Type SOW, STW, STOW, SEOW, or STOOW and shall be suitable for outdoor use. The shore connection end of this cable shall be fitted with a locking and grounding type plug with the required number of poles and shall comply with Article 555 of the National Electrical Code. (See Figure 13 and Table VII-A of ABYC E-11).

EXCEPTION: Pin and sleeve devices in accordance with Figure 14 of ABYC E-11.

SECTION BB

Table of Contents

Features and Benefits

Twist-Lock® Circuit Testers

The Hubbell Twist-Lock® Tester is an exclusive patented design that easily tests the circuit condition without the need for traditional measurement techniques. Whether it is a contractor, electrician, or entertainment stage crew, knowing that power is present at any receptacle or connector is critical. By plugging the tester into an outlet, an LED output will immediately provide the state of the circuit.

An easy to read card is provided with the tester, to help determine if the connections are made properly and in the correct position. This unique NEMA configuration ensures that the proper connection was made through an easy to read output display. It also easily attaches to a tool belt so it is available when needed.

- Quickly diagnose mis-wiring situation or application

- Great for dark, difficult to reach spaces

- No measurement readings to interpret

- UL 1436 listed

Housing Design
- Insulgrip® nylon housing for secure gripping
- Brass blades
- Steel (nickel plated) assembly screws
- Styles available: L21-20P, L21-30P, L5-20P, L5-30P, L5-30P Marine, L6-20P, L6-30P, L7-20P, L14-20P, L14-30P, L24-20P

Attachment Clip
- Carabiner style clip to secure to work belt

Proper Connection
- Easy to read LED output and condition tables

CONDITIONS	X	Y	Z	G
Correct	X	Y	Z	G
Open Neutral				G
Open Ground	X	Y	Z	
Open X		Y	Z	
Open Y	X		Z	G
Open Z	X	Y		G

CONDITIONS	X	Y	Z	G
X & N Rev.	X	Y	Z	▲
Y & N Rev.	X	Y	Z	G ▲
Z & N Rev.	X	Y	Z	G ▲
X & G Rev.		Y	Z	G ▲
Y & G Rev.	X		Z	G ▲
Z & G Rev.	X	Y		G ▲

Circuit Testers

Twist-Lock® Circuit Testers

Description	Rating	20 Amp		30 Amp	
		Configuration	Catalog Number	Configuration	Catalog Number
3-Phase Circuit Tester	3Ø 120/208V AC Min. Voltage: 90V AC	NEMA L21-20P	**HBL3PT2511**	NEMA L21-30P	**HBL3PT2811**
Circuit Tester	**125V**	NEMA L5-20P	**HBLT2311**	NEMA L5-30P	**HBLT2611** **HBLT26CM11** (Marine)
	250V	NEMA L6-20P	**HBLT2321**	NEMA L6-30P	**HBLT2621**
	277V	NEMA L7-20P	**HBLT2331**		
	125/250V	NEMA L14-20P	**HBLT2411**	NEMA L14-30P	**HBLT2711**
	347V	NEMA L24-20P	**HBLT3721**		

Note: Testers in other NEMA configurations can be developed upon request.

HBL3PT2511

HBLT26CM11

SNAP*Connect*® Receptacle Wiring Tester with GFCI Test Button

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles.	**SNAPCTG**

Receptacle Circuit Tester

Description	Catalog Number
Receptacle circuit tester.	**HBL5200**

SNAPCTG

How It Operates

The Hubbell HBL5200 Receptacle Circuit Tester has a simple arrangement of neon lights which visually indicate and identify various fault conditions in electrical circuits (see chart below). By plugging the HBL5200 Tester into a single phase, 125V, 2 pole, 3 wire outlet the combination of lighted and/or unlighted lamps will immediately indicate circuit condition.

- Large, easy to read symbols.
- Recessed indicating lamps with one piece Polycarbonate lens.
- Tough impact resistant nylon housing.

- User information and instructions printed on durable Polyester labels permanently attached to the tester.
- Rotatable labels can be easily read regardless of tester position.

Correct Wiring	Reversed Polarity	Open Ground Wire	Open Neutral Wire	Open Hot Wire	Hot and Ground Reversed	Hot on Neutral Term. and Hot Term. Unwired

Neutral / Ground / Hot

Note: □ △ ○ Indicates Unlighted Lamp. ■ ▲ ● Indicates Lighted Lamp.
When testing other receptacle types, use HBL5200 only with polarized adapters.

CAUTION: *This device introduces low level current into the grounding path. Use with caution in critical care areas.*

HBL5200

GFCI Tester

Description	Rating	Catalog Number
Ground fault tester.	120V AC	**GFT2G**

- Designed to measure the trip level of portable or "wired-in" GFCI's in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.

GFT2G

Features and Benefits

Adapters and Fluorescent Starters

- Available in 6 diferent configurations
- One female slot end and one male blade end
- UL listed, except for adapter **HBL31CM29**

HBL2274

HBL2271

HBL5273L

Nylon Convenience Adapters

NEMA Configuration

Catalog Number	HBL2270	HBL2271	HBL2128	HBL2274	HBL2129	HBL31CM29*
Male Blade End	15A 125V NEMA 5-15P	15A 125V NEMA 5-15P	15A 125V NEMA 5-15P	15A 125V NEMA L5-15P	20A 125V NEMA L5-20P	30A 125V NEMA L5-30P
Female Slot End	20A 125V NEMA 5-20R	15A 125V NEMA L5-15R	20A 125V NEMA L5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R

*Note: *Not UL Listed.*

CAUTION: *Where adapters have different ratings on the blade and slot end the following precautions must be exercised in their use.*
(1) Remember that overcurrent protection is determined by the blade end.
(2) The use of the adapter should be limited to the lowest rated end of the adapter in order to prevent overheating.
(3) Adapters do not provide GFCI, overcurrent or short circuit protection.

Plug In Adapters

Description	Catalog Number
Male end - 2 wire parallel polarized blades, 15A, 125V. Female end - 3 wire 15A, 125V straight slot grounding.	**HBL5273L**
Male end - 3 wire crow foot 15A, 125V blades. Female end - 3 wire 15A, 125V straight slot grounding.	**HBL5289**♦*
Male end - 3 wire 10A, 250V, 15A, 125V Twist-Lock® blades. Female end - 3 wire 15A, 125V straight slot grounding.	**9053A**♦*
Male end - 3 wire 15A, 125V straight blade grounding. Female end - 10A, 250V, 15A 125V Twist-Lock® slots.	**9054A**♦*

Note: ♦Must always be used with a grounded receptacle.
*   *Not UL Listed.*

HBL5289

9053A

9054A

FS2

Fluorescent Starters

Neostart

The Hubbell Neostart is a glow discharge type of starter which combines fast starting speed with rugged, dependable operation. The Neostart lights the lamp very rapidly and insures proper lamp operation throughout rated life. Because of its rugged construction, it can be depended upon to withstand continued punishment resulting from lamp failure. In addition, it operates satisfactorily over a wide temperature range. In dual lamp circuits, the Neostart lights both lamps quickly and uniformly.

Lamps	Catalog Number
14, 15 and 20 watt lamps	**FS2**
13, 30 and 40 watt lamps	**FS4**
4, 6 and 8 watt lamps	**FS5**
22 watt circle line, 25 watt standard lamps	**FS25**

Lockout Devices

PLUGOUT®, Keyed PLUGOUT® and SWITCHOUT® Lockout Devices

Description	Typical Devices Accommodated	Catalog Number
Small yellow lockout device.	15 and 20A straight blade plugs. 15A Twist-Lock® plugs.	**HLDMP**
Medium yellow lockout device.	15 and 20A, 125V straight blade plugs. 20 and 30A Twist-Lock® plugs.	**HLD**
Large yellow lockout device.	20, 30 and 60A metallic and non-metallic Pin and Sleeve, Hubbellock® and 50A Twist-Lock® plugs.	**HLD2**
Yellow SWITCHOUT device.	Toggle switch.	**HSLDPK2***
Yellow lockout kit.	One each of above lockout devices.	**HLDKIT**
Yellow keyed PLUGOUT, keyed differently.	15 and 20A, 125V straight blade plugs with holes in blades.	**HKLD**

*Note: *Two devices per package.*

3.14"
(79.8)

4.22"
(107.2)

HLDMP

4.27"
(108.5)

7.27"
(184.7)

HLD

HSLDPK2

Cord Grip

Description	Catalog Number
Cord grip for ½ inch knockouts.	**HBL112***

*Note: *Not UL Listed.*

HBL112

Other Wiring Products

Lampholders

Lampholders provide lighting in unfinished areas, such as attics and basements.

Porcelain White Lampholders

Catalog Number	RL8804	RL8806	RL8812	RL8816	RL8822
Description	Keyless, 4 Terminal Screws	Keyless, 6 inch Pigtails	Pull Chain, 2 Terminal Screws	Pull Chain, 6 inch Pigtails	Pull Chain with Receptacle, 2 Terminal Screws
Rating	660W 250V	660W 250V	660W 250V	660W 250V	660W 125V 15A 125V NEMA 5-15R

Plastic White Lampholders

Catalog Number	RL8504	RL8506	RL8512	RL8516
Description	Keyless, 4 Terminal Screws	Keyless, 6 inch Pigtails	Pull Chain, 2 Terminal Screws	Pull Chain, 6 inch Pigtails
Rating	660W 600V	660W 600V	660W 250V	660W 250V

Incandescent Brass Lampholders, Medium Base

Catalog Number	RL101*	RL102*	RL105*	RL100**	RL106*
Description	Turn Knob, On/Off	Turn Knob, Three Way	Push Through, On/Off	Keyless	Pull Chain, On/Off
Rating	250W 250V	250W 250V	660W 250V	660W 250V	660W 250V

*Note: *UL or cUL.*
*   **UL or CSA.*

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Fluorescent Lampholders

Compact Flourescent Lampholders

Catalog Number	**RL479HSM**	**RL413HSI**	**RL413HSM**	**RL426G24**	**RL42G11HSM**	**RL42G11H9**
Description	G23 base	GX23 base	GX23 base	G24Q-3, GX24Q-4	2G11 base, 4 pin	2G11 base, 4 pin
Lamp Type	5W, 7W, 9W	13W	13W	26-32W	18-55W	18-55W
Rating	75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V
Mounting	Horizontal, screw-down	Horizontal, snap-in	Horizontal, screw-down	Horizontal, screw-down	Horizontal, screw-down	Vertical 90°, snap-in

RL42G11C
Clip for 2G11 Base Lampholders, Adjustable, Snap-in

High Output Fluorescent Lampholders

Catalog Number	**RL305***	**RL306***	**RL307**	**RL308**	**RL356**	**RL357**
Description	Plunger	Fixed	Plunger	Fixed	Plunger	Fixed
Lamp Type	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Vertical - Power groove & jacketed lamps	Vertical - Power groove & jacketed lamps
Rating	660W, 600V	660W, 600V	660W, 600V	660W, 600V	660W, 600V	660W, 600V
Mounting	Pedestal, slide-on	Pedestal, slide-on	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in

*Note: *UL or cUL.*

Medium Bi-Pin Fluorescent Lampholders - T8 and T12

Catalog Number	**RL320**	**RL325**	**RL325B**
Description	Disconnect 4 wire	Disconnect 4 wire	Shunted 2 wire
Lamp Type	Bi-pin/tall profile	Bi-pin/low profile	Bi-pin/low profile
Rating	660W, 600V	660W, 600V	660W, 600V
Mounting	Slide-on and snap-in with captive nut	Slide-on and snap-in with captive nut	Slide-on and snap-in

Slimline Type Fluorescent Lampholder

Catalog Number	**RL310***	**RL311***
	Plunger	Fixed
	Single pin	Single pin
	660W, 600V	660W, 600V
	Slide-on and snap-in	Slide-on and snap-in

*Note: *UL or cUL.*

Incandescent Lampholders

HID Incandescent Lampholders, Porcelain Keyless

c (UL) us

Catalog Number	RL4221*	RL5221	RL3742
Description	Mogul base	Mogul base	Medium base prefocus
Lamp Type	E39 socket	EX39 socket	Bayonet socket
Rating	1500W, 600V Max, 4KV or 5KV PULSE	1500W, 600V Max, 5KV PULSE	1200W, 250V
Mounting	Screw mount, 12 inch leads	Screw mount, 12 inch leads	Screw mount

*Note: *UL Listed, CSA Certified.*

Straight Body Keyless Porcelain

c (UL) us

Catalog Number	RL162	RL156	RL157	RL160	RL158	RL159
Description	Medium base	Medium base	Medium base	Medium base	Medium base, low profile	Medium base, shallow base
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V
Mounting	Screw mount, screw terminals	Screw mount, 12 inch leads	NPSF1/8 hickey with terminals	NPSF1/8 hickey with 12 inch leads	Front mount, panel mount snap-in	Front mount, panel mount snap-in

Surface and Sign Mount, Medium Base

c (UL) us

Catalog Number	RL152	RL153	RL161	RL163	RL164
Description	Medium base, Porcelain, Pony Cleat	Medium Base, Plastic, Black, Pony Cleat	Medium base, Porcelain	Medium base, Porcelain	Medium base, Porcelain
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V
Mounting	1 piece, surface mount	1 piece, surface mount	2 piece, surface mount	2 piece, sign mount with leads	2 piece, sign mount with terminals

Lampholder Accessories

Incandescent Lampholders, Medium Base

Catalog Number	RL124*	RL124H	RL202
Description	Pigtail Medium Base Socket with 6 inch Leads, Rubber with #18 Gauge Wire	Phenolic Medium Base Socket with Hook, Insulation Piercing Termination	Medium Lampholder to Lampholder Adapter, Pull Chain with Two 2-Prong Outlets without Ground
Rating	660W 250V	660W 250V	660W 125V 15A 125V

*Note: *cCSAus Certified only.*

Incandescent Adapters, Medium Base

Catalog Number	RL150	RL154	RL200	RL201
Description	Medium to medium base extension, Screw-in, E26 to E26 socket	Mogul to medium base adapter, Screw-in E39 to E26 socket	Outlet Adapter, 2 Prong Plug to Medium Lampholder	Medium Lampholder Adapter, Medium Lampholder to Outlet without Ground
Rating	250W, 250V	660W, 250V	15A 660W 125V 15A 125V NEMA 1-15R	15A 125V NEMA 1-15R

Lamp Switches

Catalog Number	RL120	RL121	RL122	RL125
Description	Pull chain switch, 2 circuit, L1/L2/L1+L2/off	Pull chain switch, SPST on/off	Pull chain switch, L1/L2/L3/off	Rotary switch, SPST on/off
Rating	6A 125V AC, 3A 250V AC, 3A 125V "L"	6A 125V AC, 3A 250V AC, 3A 125V "L"	6A 125V AC, 3A 250V AC	6A 125V AC, 3A 250V AC, 3A 125V "L"

Note: 6 inch wire leads are #18 AWG AWM/TEW 105°C 600V.

Snap-in Receptacles

Catalog Number	RR374	RR374W
Description	Single receptacle, Black	Single receptacle, White
Rating	15A 125V, 3 wire NEMA 5-15R	15A 125V, 3 wire NEMA 5-15R

- Accommodate panel thickness of .031 to .062 inch (0.7 to 1.5 mm).
- Panel cutout .95 x .95 inch (24.1 x 24.1 mm).
- #14 AWG 6 inch AWM/TEW FT1 105°C 600V on black and white leads.
- #14 AWG 6 inch AWM/TEW FT1 600V on green lead.

Taps, Adapters, Plugs and Connectors

Taps and Adapters

Color					
Ivory	**RT600I**	**RT300I**	—	**RT200***	—
Orange	—	—	**RT303**	—	—
White	**RT600W**	**RT300W**	—	—	**RT100W**
Description	Duplex Receptacle to Six Outlets with Ground	Single Receptacle to Three Outlets with Ground	Single Receptacle to Three Outlets, Heavy Duty Rubber, with Ground	Two Wire to U-Ground	Cube Tap without Ground
Rating	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 1-15

*Note: *UL Listed only.*

Plugs and Connectors

Color					
Black	**RP101BK**	**RP102BK**	**RP646**	**RP648**	**RP649**
White	**RP101W**	**RP102W**	—	—	—
Description	Straight Plug, Polarized, Two Blade Light Duty	Straight Connector, Polarized, Two Blade, Light Duty	Straight Plug, Non-Polarized, Two Blade, Heavy Duty	Straight Plug, Polarized, Two Blade, Heavy Duty	Straight Connector, Polarized, Two Blade, Heavy Duty
Wire Range Cord	#16,18 AWG, Up to .250 inch Dia.	#16,18 AWG, Up to .250 inch Dia.	#14-18 AWG, Up to .330 inch Dia.	#14-18 AWG, Up to .330 inch Dia.	#14-18 AWG, Up to .330 inch Dia.
Rating	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P

Color	
Ivory	**RP123I**
White	**RP123W**
Description	Straight Plug, Non-Polarized, Two Blade
Cord	SPT 1 and 2 Cord 18/2 & 16/2 AWG
Rating	15A 125V NEMA 1-15P

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

Table of Contents

Certification Agencies and Markings

Circuit Wiring Diagrams

Electrical Symbols and Abbreviations

▪	Push Button	☐⁄	Buzzer
☐	Bell	◇	Annunciator
◀	Outside telephone		
◁	Interconnecting telephone		
◁	Telephone switchboard		
Ⓣ	Bell ringing transformer		
Ⓓ	Electric door opener		

Product Standards and Installation Codes

Standards and codes of many types developed by and for our industry form a vital consideration in the design of our products. The following pages in this section briefly describe the functions of the organizations producing the standards which influence the safety and design of wiring devices.

The American Boat and Yacht Council Inc. (ABYC) is a not-for-profit membership organization that has been developing and updating the safety standards for boat building and repair for over 50 years. ABYC is actively involved with the International Organization for Standardization (ISO) and is a leader in education for the marine industry, as well as certification programs for marine technicians. ABYC's membership includes boat builders, boat owners, surveyors, boat yards, insurance companies, law firms, trade associations, marinas, dealerships, government agencies, educational institutions and equipment and accessory manufacturers. Over 400 volunteers donate time, expertise, and research while serving on technical committees, which develop and revise the ABYC standards and technical information reports. We ensure quality and professionalism in each of ABYC's services.

UL LLC, formely Underwriters Laboratories Inc. (UL) A for-profit corporation, operating in two distinct roles, as a certifier and testing facility, and as a developer of safety standards. By its own definition, Underwriters Laboratories defines itself as follows: "Underwriters Laboratories Inc. founded in 1894, is chartered as a not-for-profit organization without capital stock, under the laws of the state of Delaware to establish, maintain, and operate laboratories for the examination and testing of devices, systems and materials to determine their relation to hazards to life and property." On January 1, 2012, UL moved to a for-profit structure.

Separate from product certifications, UL develops consensus safety standards for the U.S. UL evaluates products for paying "clients" and if the product submitted passes the requirements of the UL standard for which it is submitted, a UL "Listing" is granted which allows the manufacturer to use the UL manifest or "Label" on its products. Electrical inspectors or other Authorities Having Jurisdiction (AHJs) use UL Listings of products to determine acceptability of electrical installations. It is important to remember that UL is not an approval agency. It approves nothing, but lists a product as meeting minimum standards for safety. The Underwriters "Listing" mark on a product is generally accepted by the public and government agencies as evidence of a "safe" product, not necessarily a "quality" product.

CSA Group, formerly Canadian Standards Association (CSA) is a not-for-profit membership-based association and performs a function for manufacturers similar to that performed in the USA by Underwriters Laboratories Inc. (UL) and National Fire Protection Association (NFPA). CSA Standards develops product safety standards for Canada, which parallel UL standards in many aspects but are not always identical. CSA International evaluates products and grants paying clients "Certification" that their products meet CSA Standards. CSA Standards also sponsors the Canadian Electrical Code (CE Code).

American National Standards Institute, Inc. (ANSI) as the voice of the U.S. standards and conformity assessment system, the American National Standards Institute (ANSI) empowers its members and constituents to strengthen the U.S. marketplace position in the global economy while helping to assure the safety and health of consumers and the protection of the environment.

The Institute oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards – including globally-recognized cross-sector programs such as the ISO 9000 (quality), ISO 14000 (environmental) and ISO 17025 (laboratory) management systems.

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes international standards for all electrical, electronic and related technologies. These serve as a basis for national standardization and as references when drafting international tenders and contracts. Through its members, the IEC promotes international cooperation on all questions of electrotechnical standardization and related matters, such as the assessment of conformity to standards, in the fields of electricity, electronics and related technologies.

IEC's international standards facilitate world trade by removing technical barriers to trade, leading to new markets and economic growth. Put simply, a

General Technical Data

Product Standards and Installation Codes

component or system manufactured to IEC standards and manufactured in country A can be sold and used in countries B through Z. IEC's standards are vital since they also represent the core of the World Trade Organization's Agreement on Technical Barriers to Trade (TBT), whose 100-plus central government members explicitly recognize that international standards play a critical role in improving industrial efficiency and developing world trade.

The National Electrical Code® (NEC®)
The NEC is a model installation code developed by NFPA's Committee on the National Electrical Code®, which consists of 19 Code-Making Panels and a Technical Correlating Committee. Work on the NEC is sponsored by the National Fire Protection Association (NFPA). The NEC is approved as an American National Standard by the American National Standards Institute (ANSI). It is formally identified as ANSI/NFPA 70. The NEC must be adopted locally by legislation or regulation.

First published in 1897, the NEC is updated and published every three years. The 2017 edition will be published in October 2016. Most states adopt the most recent edition within a couple of years of its publication. As with any "uniform" code, a few jurisdictions regularly omit or modify some sections, or add their own requirements (sometimes based upon earlier versions of the NEC, or locally accepted practices). However, the NEC is the least amended model code, even with it setting minimum standards. No court has faulted anyone for using the latest version of the NEC, even when the local code was not updated to the most recent edition.

National Electrical Manufacturers Association (NEMA®)
An organization of over 450 manufacturers of electrical equipment, including, but not limited to, wiring devices, wire and cable, conduit, load centers, pressure wire connectors, circuit breakers, fuses, etc. NEMA is the "voice" of the electrical industry, and through it, standards are developed for electrical distribution.

Generally these standards promote interchangeability between products of one manufacturer with like products made by another manufacturer. In some cases, standards relating to product "performance" are also formulated by NEMA but these are the exception rather than the rule.

NEMA standards are not compulsory, but generally are accepted by those manufacturers that help to write them as a way of making their products more saleable and acceptable. However, many NEMA standards, such as ANSI/NEMA WD 6, are approved by the American Standards Institute and referenced by mandatory UL and CSA product standards. NEMA standards are utilized by many consumers in writing specifications for the materials they purchase. NEMA does not evaluate or certify products or enforce regulations.

General Services Administration Federal Supply Service (GSA) Federal Supply Service (FSS)
provides federal customers with the products, services, and programs to meet their supply, service, procurement, vehicle purchasing and leasing, travel and transportation, and personal property management requirements. Hubbell offers devices listed by UL as FED SPEC and can be found throughout this catalog.

Occupational Safety and Health Administration (OSHA)
is a branch of the US Department of Labor which was created to assure safe and healthful working conditions for working men and women. OSHA uses regulations from the Federal Register, NFPA and the National Electric Code to establish and enforce safety standards for the workplace. It is important to note: OSHA does NOT approve products. OSHA enforces existing safety regulations.

Canadian Electrical Code, Part I (CE Code)
The CE Code is a model installation code developed by the Committee on CE Code, Part I, composed of members representing inspection authorities, manufacturing and utilizing industries, utilities and allied interests. The Committee meets annually to address reports submitted by 43 section subcommittees. Work on CE Code, Part I is sponsored by CSA Standards. The product standards of CSA Standards comprise the Canadian Electrical Code, Part II.

First published in 1927, the CE Code, Part I, is updated and published every three years, prior to 2006 every four years. The 2012 CE Code, Part I, is the latest edition. As with any "uniform" code, provinces and a few jurisdictions regularly modify or add their own requirements.

NSF International, formerly National Sanitation Foundation (NSF)
NSF International is a not-for-profit organization founded in 1944 from the University of Michigan's School of Public Safety. NSF develops public health standards, and provides and enforces certifications to protect food, water, and beverages. NSF is the leading certifier of food service equipment.

Certification Agencies and Markings

Understanding Certification Marks:

Certification marks vary significantly with respect to testing required to achieve a particular mark. In some cases, (i.e.: Specification Grade), no outside certification agency is involved. The manufacturer decides which of their products they wish to be so identified. The following table for 15 and 20A Straight Blade receptacles demonstrates these wide differences. The understanding of these marks permits the user/specifier to make more meaningful product selections.

Understanding Product Certification Marks - 15 and 20 Amp Straight Blade Receptacles
Products that carry certification marks must meet the specific testing standards indicated

Certification Mark	Description	UL 498	CSA, C22.2 No. 42	UL 498 Hospital Grade	CSA, C22.2 No. 42 M Hospital Grade	DESC WC596
Spec Grade*	Self Certified, No Testing Required- Advertising/Trade Name					
ℝ𝕌 ®*c**ℝ𝕌**®	Used on recognized component parts that are part of a Listed product or system intended for the United States. Component "C" intended for Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	X				
c**ℝ𝕌**®US **	Used on recognized component parts that are part of a Listed product or system intended for the United States and Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	X				
(UL) LISTED (SA)®US	Products found with this mark means Underwriters Laboratory or CSA International found that representative samples of this product met Underwriters Laboratory's published Standards for Safety intended for the US market.	X				
(SA)® c(UL)	Products found with this mark are certified primarily for the Canadian market.		X			
c(UL)US c(SA)®US	Products intended for US and Canada.	X	X			
(UL) • Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.	X		X		
(SA)® • Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.		X		X	
F(UL)S Fed. Spec.	In addition to complying with general use grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X				X
F(UL)S Fed. Spec. • Hospital Grade	In addition to complying with general use and hospital grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X		X		X

*Note: *Includes such variation as Premium Spec, Super Spec, etc.*
*   **End Product test also required.*

Cross Reference Note:

Recognize that cross reference guides supplied by some manufacturers should be used only to determine compatible devices (rating and configuration). It does not, in any way, deal with performance levels (which will vary widely by manufacturer). Common catalog numbers are often used for convenience of selection. The use of the same catalog number is solely the discretion of the manufacturer. It in no way implies compliance to any standard or testing criteria.

General Technical Data

Industry Associations, Organizations and Standards

For convenience, the following listings define common acronyms for a variety of organizations.

Standards Development Organizations: Organizations primarily involved in the development and/or promulgation of standards.

ANSI	American National Standards Institute.
CANENA	Consejo de Armonizacion de los Naciones de America.
CSA	Canadian Standards Association.
IEC	International Electrotechnical Commission.
IEEE	Institute of Electrical & Electronics Engineers, Inc.
ISA	The Instrumentation, Systems and Automation Society.
ISO	International Organization for Standardization.
LEEDS	Leadership in Energy and Environmental Design.
NFPA	National Fire Protection Association, Inc.
NSF	National Sanitation Foundation.
SAE	Society of Automotive Engineers.
SME	Society of Manufacturing Engineers.
USGBC	United States Green Building Council.
UL	Underwriters Laboratories Inc.

Installation Codes

CEC Part I	Canadian Electrical Code, Part I.
NEC®	National Electrical Code®.
NOM	Normas Oficiales Mexicanas (Mexican Electrical Code).

Industry Associations: Associations of companies or individuals for the purpose of standardization, trade, and professional development, etc.

ABYC	American Boat and Yacht Council.
ASTM	American Society for Testing and Materials.
BICSI	Building Industry Consulting Services International.
BOMA	Building Owner Management Association.
CANAME	Camara Nacional de Manufacturas Electricas.
CEMRA	Canadian Electrical Manufacturers Representative Association.
ECOC	Electrical Contractors of Canada.
EF-C	Electro-Federation-Canada.
EIA	Electronic Industries Alliance.
EPRI	Electric Power Research Institute.
IAEI	International Association of Electrical Inspectors.
IECI	Independent Electrical Contractors International.
IFMA	International Facilities Management Association.
NAED	National Association of Electrical Distributors.
NAW	National Association of Wholesalers.
NECA	National Electrical Contractors Association.
NEMA	National Electrical Manufacturers Association.
NEMRA	National Electrical Manufacturers Representatives Association.
NMDA	National Marine Distributor Association.
NMRA	National Marine Representative Association.
SEMI	Semi Conductor Equipment and Material International.
TIA	Telecommunication Industry Association.

Codes and Standards Organizations

For convenience, the following listings define common acronyms for a variety of organizations.

Certification Agencies: Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others.

ANCE	National Association of Normalization and Certification of the Electrical Sector.
BSI	British Standards Institute.
CE	Self Certification Marking of European Community.
CCC	China Compulsory Certification.
CSA	Canadian Standards Association or CSA International.
FM	Factory Mutual.
NRTL	Nationally Recognized (by OSHA) Testing Laboratory.
PSE	Product Safety Electrical Appliance and Material (Japan).
TÜV	TÜV Rheinland of N.A., Inc.
UL	Underwriters Laboratories Inc.
VDE	Verband Deutscher Elektrotechniker (Germany).

Note: NOM-ANCE *Hubbell products are in the process of being certified in Mexico. Many have already been certified. Consult with the factory for specific data.*

Government Agencies

DSCC	Defense Supply Center – Columbus.
EU	European Union.
FCC	Federal Communications Commission.
IAPA	Industrial Accident & Prevention Association (Canada).
OSHA	Occupational Safety and Health Administration.

Copies of standards referred to on the preceding pages may be purchased from the following:

American Boat and Yacht Council, Inc. (ABYC)
613 Third Street, Suite 10
Annapolis, MD 21403
USA

The American National Standards Institute (ANSI)
25 West 43rd Street,
(between 5th and
6th Avenues), 4 floor
New York, NY 10036

or

1819 L Street, NW
(between 18th and
19th Streets), 6th floor
Washington, DC 20036
USA

CSA Group (CSA)
178 Rexdale Boulevard
Toronto, Ontario
M9W 1R3
CANADA

National Electrical Manufacturers Association (NEMA)
1300 North 17th Street
Rosslyn, VA 22209
USA

National Fire Protection Association (NFPA)
1 Batterymarch Park
Quincy, MA 02169-7471
USA

NSF International (NSF)
789 North Dixboro Road
Ann Arbor, MI 49105
USA

The International Electrotechnical Commission (IEC)
IEC Central Office
3, rue de Varembé
P.O. Box 131
CH - 1211 GENEVA 20
Switzerland

Asociacion Nacional de Normalizacion y Certificacion del Sector Electrico A.C. (NOM – ANCE)
Ibsen No.13,
Colonia Chapultepec Polanco,
C.P.11560 México, D.F.,
Conmutador 5280-6775

Occupational Safety and Health Administration (OSHA)
Occupational Safety & Health Administration
200 Constitution Avenue, NW
Washington, DC 20210
USA

UL LLC (UL)
Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
USA

General Technical Data

AC Switch Data and Horsepower Explanation

AC Test Requirements

When AC general use switches were considered by the industry and Underwriters' Laboratories, Inc. thought was given to the ratings and it was decided to rate the switches in accordance with NEC branch circuit ratings of 15, 20 and 30 amperes. It was also decided to test the switch for all the loads that could be applied to a branch circuit. Therefore, all AC switches are tested on resistance, tungsten lamp and inductive loads to 100% of switch rating.

Underwriters' Laboratories and Canadian Standards Association Test requirements for AC General Use Switches

In order to be listed by Underwriters' Laboratories, Inc. and certified by CSA International, all 15, 20 and 30 amperes 120/277V AC switches must perform, without failure, the following sequence of tests.

1. An overload test of 100 cycles at 4.8 times rated current and 40-50% power factor and rated voltage. This overload test is performed at 144 amps, 277 volts for 30 ampere switches at 6-10 cycles per minute.

2. 10,000 cycles on a plain resistance load at full rating of 15, 20 or 30 amperes, at 277 volts at 18-24 cycles per minute.

3. 10,000 cycles on an inductive load of either 15, 20 or 30 amperes at 277 volts, 80% power factor at 24 cycles per minute.

4. 10,000 cycles at 15, 20 or 30 amperes, 120 volts on a tungsten filament lamp load at 6-10 cycles per minute.

5. Temperature rise at test-rated load. In this test, temperature rise must not exceed 30 degrees Celsius.

6. A switch shall withstand, without breakdown, 1500 volts for 1 minute between live parts of opposite polarity and between live parts and dead metal parts, with the switch at the maximum operating temperature reached in intended use.

Explanation of "Horsepower" Ratings

Manual motor controllers marked with Horsepower Ratings are suitable for controlling the Motor Loads of the HP ratings shown on the manual motor controllers for that operating voltage as well as for lower HP ratings.

To qualify for an HP rating, a manual motor controllers is tested at (6) six times the full load Motor Current corresponding to the HP rating marked on the switch. (For DC Motor Controllers, the test is made at 10 times the full load Motor Current corresponding to the DC HP rating marked on the switch). The test consists of 50 on-off operations at this load and the test is conducted on (3) three samples. For ¾ HP 120 - 240 volts AC rating, (2) two sets of (3) three samples each are tested in addition to the regular overload, endurance, temp. rise and dielectric tests. The test circuit characteristics are:

	For ¾ HP 120V AC	For ¾ HP 240V AC
Closed Circuit Volts	120 volts AC	240 volts AC
Current	82.8 amps	41.4 amps
Power Factor	0.40-0.50	0.40-0.50

Note: Current at 240V AC is ½ that at 120V AC

All manual motor controllers must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to the ground (the manual motor controller frames are grounded during the stalled rotor test).

General Technical Data

Wiring Device Standards and Testing

Wiring Device Standards

There are many different marketing terms in the electrical industry to describe the various electrical receptacles available from different manufacturers. Some of these terms include: Spec-Grade, Commercial, Heavy Duty, Industrial, Hard-Use, etc. There are no clear or universal definitions for these terms. There is no criteria established to differentiate one term from the next. Reliance solely upon these terms is not a reliable measure of performance or durability in a given application.

Underwriters Laboratories (UL) recognized a need to categorize receptacles based on application and expectations of performance. As a result, UL verifies performance to the following designations. Here are brief descriptions of each:

General Use - UL 498 – All duplex receptacles are required to meet these general requirements. Devices bearing the UL mark for general use have been tested to insure they can safely provide power in typical everyday usage (vacuum, lamps, electronics, etc.).

Fed. Spec. - W-C-596 – The Federal Government wanted some way to determine that a receptacle performed better than average and would withstand the tougher demands of institutional use (post offices, military installations, prisons, etc.). Fed. Spec. listing identifies receptacles as having construction features, marking specifications and performance requirement (i.e., plug retention, increased cycle testing) beyond the requirements of the general use listing.

Hospital Grade – In addition to compliance with general use requirements, Hospital Grade receptacles must meet performance criteria designed to test: ground reliability, assembly integrity, overall strength and reliability. Hospital Grade devices are marked with a green dot on their face.

Hospital Grade Fed. Spec. – Receptacles meeting this designation meet requirements and have completed test programs for both Fed. Spec. and Hospital Grade receptacles. All Hubbell Hospital Grade devices are UL listed to this designation.

These UL designations are a better determinant of performance than marketing descriptions, for performance and durability.

General Technical Data

Wiring Device Standards and Testing

Testing for Hospital Grade and Fed. Spec. Listing of Hubbell Receptacles, Plugs and Connectors

All Hubbell Hospital Grade products are tested quarterly in our factories with Underwriters Laboratories.

Receptacles

Fed. Spec. Test: Ground Pin Retention Test - The grounding contact of the receptacle is conditioned by twenty insertions with a 0.204 inch oversized diameter pin. After conditioning, a 0.184 inch diameter pin is inserted in the grounding contact must be capable of supporting a weight of at least 4 ounces for one minute.

Fed. Spec. Test: Power Blade Retention Test - A test plug with a single oversized blade measuring 0.075 inch thick is inserted into each current carrying contact for twenty conditioning cycles. When the conditioning cycles are completed, each contact must be capable of supporting, for one minute, 1.5 pounds secured to a single 0.055 inch thick solid steel blade without holes.

HG Test: Abrupt Removal of Plug Test - A steel bodied test plug with blades made of brass is inserted into the receptacle. A 10 pound weight dropped from at least 24 inches, pulls the plug out of the receptacle abruptly. This test is done eight times with the receptacle rotated in different positions to create the greatest stress to the face and contacts. Then, with the receptacle facing down, the grounding contact must retain a 4 ounce grounding pin with a 0.184 inch diameter for one minute. After this test there shall be no breakage of the receptacle that interferes with the receptacle function or to the integrity of the enclosure.

Fed. Spec. Test: Assembly Security Test - A force of 100 pounds is applied through the slots of the receptacle into the base while the bridge is supported at its screw mounting positions. Each receptacle is then examined for damage.

Plugs and Connectors

HG Test: Impact Test – A plug or connector wired with the minimum size flexible cord is subjected to an impact from a 10 pound cylindrical weight having a flat face with a 2 inch diameter dropped from a height of 18 inches. After the test, there shall be no breakage or other damage that may effect the function of the device.

HG Test: Mechanical Drop Test – The cord connector is wired to #18 AWG flexible cord and suspended horizontally.
It is released so it impacts a hardwood surface 45 inches below the point of suspension. This is repeated for 1,300 cycles. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: 500 Pound Crush Test – A wired plug or connector is placed between two hardwood slabs while subjected to a force which is progressively increased to 500 pounds. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: Strain Relief Test – While assembled to a plug or connector but not wired to the terminals; the cord must remain securely fastened after a straight pull of 30 pounds and a rotary motion within 3 inch circles with a 10 pound force applied for two consecutive hours. Displacement of conductors, insulation and outer jacket of the flexible cord shall not exceed 0.031 inch. There shall be no cuts, rips or tears in the insulation of the cord.

RoHS, WR, TR and LED Power Descriptions

RoHS - Restriction of Hazardous Substances

This EU Directive, 2002/95/EC, prohibits the use of mercury, cadmium, lead, chromium VI, PBB (polybrominated biphenyls) and PBDE (polybrominated diphenyl ethers) in certain electrical products. The regulatory maximums for these items are 0.01%, by weight, for cadmium and 0.1%, by weight, for the other five items in each "homogenous unit" contained within that product. There are certain exemptions available from the RoHS requirements.

Weather Resistant Receptacles

Per National Electrical Code (NEC®) Section 406.9; all 125 and 250 volt, 15 and 20 amp non-locking receptacles for use in damp or wet locations shall be a listed weather resistant type. Listed devices are required to have a WR marking on the face visible when installed.

Tamper-Resistant Receptacles

Per National Electrical Code (NEC®) Section 406.12 now addresses all 15 and 20 ampere, 125 and 250 volt nonlocking-type receptacles in the areas specified in 406.12(1) through (7) shall be listed tamper-resistant receptacles. New occupancies have been added to the receptacle tamper-resistant requirements: Dwelling units, guest rooms and guest suites of hotels and motels, child care facilities, preschools and elementary education facilities, business offices, corridors, waiting rooms and in clinics, medical and dental offices and outpatient facilities, places of waiting transportation, gymnasiums, skating rinks, auditoriums and dormitories.

LED Power Indicators

Most popularly used to identify emergency circuits in hospitals, the LED power indicators are bright enough to be visible in low light as well as bright daylight conditions.

Tamper-Resistant SG Series Duplex Receptacle, Hospital Grade.
How the SG Tamper-Resistant Receptacle Works.

Switch "A"
Contact "B"
Switch "C"
Contact "D"

Figure 1

Complies with requirements of NEC Section 517-18(c).

Figure 2

As shown in Figure 1, Switch "A" energizes the left hand Contact "B" and Switch "C" energizes the right hand Contact "D". The same arrangement applies to the lower portion of the outlet.

If, for example, a metallic object is inserted into the left power Contact "B" only, the object is not energized because it requires the additional insertion of a similar object in the opposite Contact "D" to move the slider to close Switch "A".

Similarly, if an object is inserted into the right hand slot only, it cannot become energized unless and additional object is inserted in the opposite slot to close Switch "C".

In other words it requires the presence of an object in both right and left hand contacts to energize the device. This condition is in practice fulfilled only by the insertion of the proper electrical plug as shown in Figure 2.

Remember, this receptacle can be used with either a 2 or 3 wire plug. No other tamper-resistant receptacle on the market can provide you with greater reliability and durability than the Hubbell hospital grade tamper resistant receptacle.

Complies with requirements of NEC Section 517-18(c).

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

General Technical Data

NEMA and IEC Classifications

Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations

IEC Publication 60529 Classification of Degrees of Protection Provided by Enclosures provides a system for specifying the enclosures of electrical equipment on the basis of the degree of protection provided by the enclosure. IEC 60529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus, or vermin. NEMA Standards Publication 250 does test for environmental condition such as corrosion, rust, icing, oil, and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers. The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason the table cannot be used to convert from IEC Classifications to NEMA Types.

Conversion of NEMA Type Numbers to IEC Classification Designations

(Cannot be used to convert IEC classification designations to NEMA type numbers)

NEMA Enclosure Type Number	IEC Enclosure Classification Designation	Basic Description
1	IP10	General Purpose
2	IP11	Dripproof- Indoor
3	IP54	Dusttight, Raintight and Sleet (Ice) Resistant- Outdoor
3R	IP14	Rainproof and Sleet (Ice) Resistant- Outdoor
3S	IP44, IP54	Dusttight, Raintight and Sleet (ice) Proof- Outdoor
4	IP56	Watertight and Dusttight- Indoor and Outdoor
4X	IP56	Watertight, Dusttight and Corrosion-Resistant - Indoor and Outdoor
5	IP52	Superseded by Type 12 for Control Apparatus
6	IP67	Submersible, Watertight, Dusttight and Sleet (Ice) Resistant- Indoor and Outdoor
12	IP52	Industrial Use, Dusttight and Driptight- Indoor
12K	IP52	Industrial Use, Dusttight and Driptight with Knockouts- Indoor
13	IP54	Oiltight and Dusttight- Indoor

Elements of the IP Code and Their Meanings - *In Accordance with Standard IEC 60529*

IP Suitability Ratings are a system for classifying the degree of ingress protection provided by enclosures of electrical equipment. Generally, the higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment.

Example: IP67 = Ingress Protection/Dust-Tight/Temporary Immersion

Meaning for the Protection of Equipment

Code Letters	First Number	Second Number
Ingress Protection	Against Ingress of Solid Foreign Objects	Against Ingress of Water with Harmful Effects
IP	0 – Non-protected 1 ≥ 50mm diameter 2 ≥ 12.5mm diameter 3 ≥ 2.5mm diameter 4 ≥ 1.0mm diameter 5 – Dust-protected 6 – Dust-tight	0 – Non-protected 1 – Vertically dripping 2 – Dripping (15 Tilted) 3 – Spraying 4 – Splashing 5 – Jetting 6 – Power jetting 7 – Temporary immersion 8 – Continuous immersion

The numerals stand for the following:

1. First Numeral: degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects.

2. Second Numeral: degree of protection of equipment inside enclosures against damage from the ingress of water.

Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations	CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures
Designation	Intended Use and Description	Intended Use and Description	Intended Use and Description
Definition	An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosure - A surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosures…provide a degree of protection against accidental contact with the enclosed equipment, and to the enclosed equipment, against specified environmental conditions.
Type 1	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt.	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	No CSA equivalent.
Type 2	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment, to provide a degree of protection against falling dirt, and to provide a degree of protection against dripping and light splashing of non-corrosive liquids.	Indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids, and falling dirt.
Type 3	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and wind blown dust; undamaged by the external formation of ice on the enclosure.
Type 3X	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 3R	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, and snow; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosure.
Type 3RX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 3S	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and in which the external mechanism(s) remain operable when ice laden.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust, the external mechanism(s) remain operable while ice covered.
Type 3SX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 4	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water, and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water, undamaged by the external formation of ice on the enclosure; resists corrosion.

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

General Technical Data

Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

Designation	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum) Intended Use and Description	UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations Intended Use and Description	CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures Intended Use and Description
Type 5	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against settling airborne dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids and settling dust, lint, fibers, and flyings.
Type 6	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose directed water and the entry of water during occasional temporary submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure.
Type 6P	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose-directed water and the entry of water during prolonged submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during prolonged submersion at a limited depth; undamage by the external formation of ice on the enclosure; resists extended corrosion.
Type 12	Enclosures constructed (without knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 12K	Enclosures constructed (with knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 13	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against the spraying, splashing, and seepage of water, oil, and non-corrosive coolants.	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; seepage and spraying of non-corrosive liquids including oils and coolants.

General Technical Data

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
(Configurations shown are for female devices)

125V – 2P, 2W

| ANSI/NEMA WD-6 | 1-15R | L1-15R | ML1-R |

250V – 2P, 2W

| ANSI/NEMA WD-6 | 2-20R | 2-30R | L2-20R |

208V AC Line-to-Line* – 2P, 2W

| ANSI/NEMA WD-6 | 2-20R | 2-30R | L2-20R |

125V – 2P, 3W – Grounding

| ANSI/NEMA WD-6 | 5-15R | 5-20R | 5-30R | 5-50R | L5-15R | L5-20R | L5-30R | ML2-R |

250V – 2P, 3W – Grounding

| ANSI/NEMA WD-6 | 6-15R | 6-20R | 6-30R | 6-50R | L6-15R | L6-20R | L6-30R |

208V AC Line-to-Line* – 2P, 3W – Grounding

| ANSI/NEMA WD-6 | 6-15R | 6-20R | 6-30R | 6-50R | L6-15R | L6-20R | L6-30R |

---

*Note: *Does NOT encompass 208V AC Line-to-Neutral.*
The above diagrams are intended to show device terminal identification only.
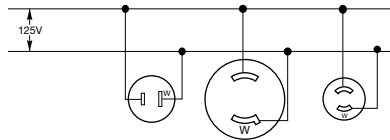
Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
(Configurations shown are for female devices)

277V AC – 2P, 3W – Grounding

ANSI/NEMA WD-6   7-15R   7-20R   7-30R   7-50R   L7-15R   L7-20R   L7-30R

347V AC – 2P, 3W – Grounding

ANSI/NEMA WD-6   L24-20R

480V AC – 2P, 3W – Grounding

ANSI/NEMA WD-6   L8-20R   L8-30R

600V AC – 2P, 3W – Grounding

ANSI/NEMA WD-6   L9-20R   L9-30R

125/250V – 3P, 3W

ANSI/NEMA WD-6   10-20R   10-30R   10-50R   L10-20R   L10-30R   ML3-R

1Ø 120/208YV AC – 3P, 3W

ANSI/NEMA WD-6   10-20R   10-30R   10-50R   L10-20R   L10-30R   ML3-R

Note: The above diagrams are intended to show device terminal identification only.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
(Configurations shown are for female devices)

3Ø 250V AC – 3P, 3W

| ANSI/NEMA WD-6 | 11-15R | 11-20R | 11-30R | 11-50R | L11-15R | L11-20R | L11-30R |

3Ø 480V AC – 3P, 3W

| ANSI/NEMA WD-6 | L12-20R | L12-30R |

3Ø 600V AC – 3P, 3W

| ANSI/NEMA WD-6 | L13-30R |

125/250V – 3P, 4W

| ANSI/NEMA WD-6 | 14-15R | 14-20R | 14-30R | 14-50R | 14-60R | L14-20R | L14-30R |

1Ø 120/208YV AC – 3P, 4W – Grounding

| ANSI/NEMA WD-6 | 14-15R | 14-20R | 14-30R | 14-50R | 14-60R | L14-20R | L14-30R |

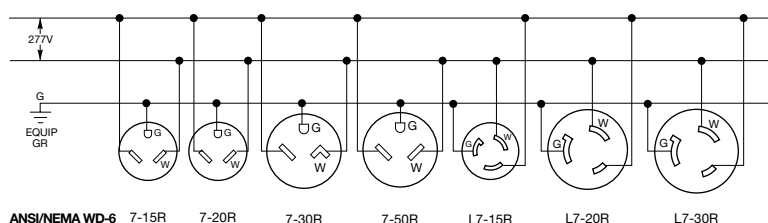*Note: The above diagrams are intended to show device terminal identification only.*
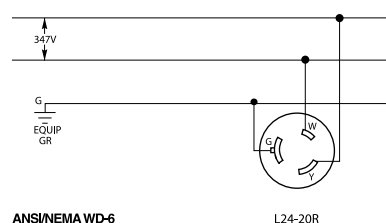
General Technical Data

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
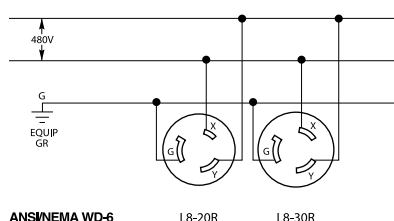(Configurations shown are for female devices)

3Ø 250V – 3P, 4W – Grounding

| ANSI/NEMA WD-6 | 15-15R | 15-20R | 15-30R | 15-50R | 15-60R | L15-20R | L15-30R |

3ØY 277/480V AC – 4P, 4W

| ANSI/NEMA WD-6 | L19-20R | L19-30R |

3ØY 347/600V AC – 4P, 4W

| ANSI/NEMA WD-6 | L20-20R | L20-30R |

3Ø 480V AC – 3P, 4W – Grounding

| ANSI/NEMA WD-6 | L16-20R | L16-30R |

3Ø 600V AC – 3P, 4W – Grounding

| ANSI/NEMA WD-6 | L17-30R |

3ØY 120/208V AC – 4P, 4W

| ANSI/NEMA WD-6 | 18-15R | 18-20R | 18-30R | 18-50R | 18-60R | L18-20R | L18-30R |

Note: The above diagrams are intended to show device terminal identification only.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations
(Configurations shown are for female devices)
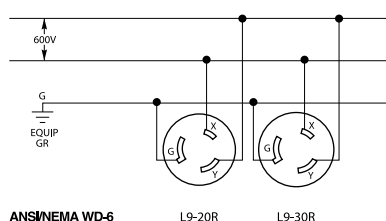

3ØY 120/208V AC – 4P, 5W – Grounding

ANSI/NEMA WD-6   L21-20R   L21-30R

3ØY 277/480V AC – 4P, 5W – Grounding

ANSI/NEMA WD-6   L22-20R   L22-30R

3ØY 347/600V AC – 4P, 5W – Grounding

ANSI/NEMA WD-6   L23-20R   L23-30R

3ØY 220/380V AC – 4P, 5W – Grounding

L25-30R

3ØY 240/415V AC – 4P, 5W – Grounding

L26-30R

Note: The above diagrams are intended to show device terminal identification only.

General Technical Data

Horsepower Ratings and UL 508A Table SB4.1

Horsepower Ratings for NEMA Configurations – Plugs and Receptacles Only

Straight Blade				Locking			
NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]
1-15	0.5	11-15	2	L1-15	0.5	L11-15	2
2-15	1.5*	11-20	3	L2-20	2*	L11-20	3
2-20	2*	11-30	3	L5-15	0.5	L11-30	3
2-30	2*	11-50	7.5	L5-20	1		
5-15	0.5	14-15	1.5 L-L*	L5-30	2	L12-20	5
5-20	1		0.5 L-N	L6-15	1.5*	L12-30	10
5-30	2			L6-20	2*	L14-20	2 L-L*
5-50	2	14-20	2 L-L*	L6-30	2*		1 L-N
6-15	1.5*		1 L-N	L7-15	2	L14-30	2 L-L*
6-20	2*			L7-20	2		2 L-N
6-30	2*	14-30	2 L-L*	L7-30	3	L15-20	3
6-50	3*		2 L-N			L15-30	3
7-15	2	14-50	3 L-L*	L8-20	3	L16-20	5
7-20	2		2 L-N	L8-30	5	L16-30	10
7-30	3					L18-20	2
7-50	5	14-60	3 L-L*			L18-30	3
			2 L-N				
		15-15	2				
		15-20	3				
10-20	2 L-L*	15-30	3	L10-20	2 L-L*	L19-20	5
	1 L-N	15-50	7.5		1 L-N	L19-30	10
		15-60	10			L21-20	2
10-30	2 L-L*			L10-30	2 L-L*	L21-30	3
	2 L-N	18-15	2		2 L-N	L22-20	5
		18-20	2			L22-30	10
10-50	3 L-L*	18-30	3			L25-30	2
	2 L-N	18-50	7.5			L26-30	7.5
		18-60	7.5				

Note: [1]The phase to phase horsepower ratings are noted "L-L". The phase to neutral ratings are identified "L-N".
*Also suitable for 208V Line-to-Line, not 208V Line-to-Neutral.

UL 231 Table 2.1, UL 508A Table SB4.1, UL 891 Table 16 - Assumed Maximum Short Circuit Current Rating for Unmarked Components When Used in UL 231 Power Outlets, UL 508A Industrial Control Panels, and UL 891 Switchboards

Component	Short Circuit Current Rating, kA
Bus bars	10
Circuit breaker (including GFCI type)	5
Current meters	a
Current shunt	10
Fuseholder	10
Industrial control equipment:	
a. Auxiliary devices (overload relay)	5
b. Switches (other than mercury tube type)	5
c. Mercury tube switches	
- Rated over 60 amperes or over 250 volts	5
- Rated 250 volts or less, 60 amperes or less, and over 2 kVA	3.5
- Rated 250 volts or less and 2 kVA or less	1
Motor controller, rated in horsepower (kW)	
a. 0 – 50 (0 – 37.3)	5c
b. 51 – 200 (38 – 149)	10c
c. 201 – 400 (150 – 298)	18c
d. 401 – 600 (299 – 447)	30c
e. 601 – 900 (448 – 671)	42c
f. 901 – 1500 (672 – 1193)	85c
Meter socket base	10
Miniature or miscellaneous fuse	10b
Receptacle (GFCI type)	2
Receptacle (other than GFCI type)	10
Supplementary protector	0.2
Switch unit	5
Terminal block or power distribution block	10

Note: a A short circuit current rating is not required when connected via a current transformer or current shunt.
A directly connected current meter shall have a marked short circuit current rating.
b The use of a miniature fuse is limited to 125-volt circuits.
c Standard fault current rating for motor controller rated within specified horsepower range.

General Technical Data

Isolated Ground Story

Conventional Receptacle

Mounting Strap

Green Hex Head Grounding Screw and Circuit

Bonding Jumper

Outlet Box

Conduit

Normal "Common" Building Ground

Isolated Ground Receptacle

Green Hex Head Grounding Screw and Circuit

Mounting Strap

Outlet Box

Insulating Barrier

Conduit

Isolated Ground

Normal "Common" Building Ground

Derived System or Service Ground

Hubbell Isolated Ground Receptacles

Why do you need an isolated ground device?

When mounting a conventional receptacle in a steel box, the ground is commonly established through the existing electrical system. This is done by using either the grounding clip on the receptacle's mounting strap, or by running a ground wire (which is part of the "normal" existing system) to the green grounding screw.

In a conventional receptacle the grounding contacts are connected to the mounting strap and the green grounding screw. Thus, even when a separate green wire is brought to the receptacle, it is still tied into the normal ground. This occurs since the mounting strap is in contact with the box grounding system, therefore, a "pure" isolated path to the ground is not established.

The Problem

The conventional grounding receptacle provides safety for personnel and equipment. However, the ground network also serves as a giant antenna and conductor of electrical noise. This electrical noise is electromagnetic interference and is caused by numerous transient ground currents. This can produce random transient electrical signals on the grounding system.

As a result, sensitive electronic equipment such as point of purchase terminals, accounting machines, computers and highly sensitive medical and communications equipment, can pick up these transient signals. This can interfere with the proper operation of the equipment.

The Solution

The isolated ground receptacle is similar to a conventional receptacle except for one important change. Insulating barrier construction, first patented by Hubbell, isolates the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. The isolated equipment grounding circuit is completed by running an isolated ground wire to the green grounding screw. This ground wire passes through intermediate panel boards without being connected to their grounding terminal and terminates directly at an equipment grounding conductor terminal of the derived system or service, in accordance with NEC® requirements.

The Result

This "isolated ground" can be kept relatively free of electrical noise. This is achieved since the grounding network has less branches, fewer sources of noise, and is connected to the ground at a single point.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

General Technical Data

Decimal Equivalents Table

Decimal Equivalents Table

Inches	Inches	Millimeters	Inches	Inches	Millimeters
1/64	.015625	.3969	33/64	.515625	13.0969
1/32	.03125	.7938	17/32	.53125	13.4938
3/64	.046875	1.1906	35/64	.546875	13.8906
1/16	.0625	1.5875	9/16	.5625	14.2875
5/64	.078125	1.9844	37/64	.578125	14.6844
3/32	.09375	2.3813	19/32	.59375	15.0813
7/64	.109375	2.7781	39/64	.609375	15.4781
1/8	.1250	3.1750	5/8	.6250	15.8750
9/64	.140625	3.5719	41/64	.640625	16.2719
5/32	.15625	3.9688	21/32	.65625	16.6688
11/64	.171875	4.3656	43/64	.671875	17.0656
3/16	.1875	4.7625	11/16	.6875	17.4625
13/64	.203125	5.1594	45/64	.703125	17.8594
7/32	.21875	5.5563	23/32	.71875	18.2563
15/64	.234375	5.9531	47/64	.734375	18.6531
1/4	.2500	6.3500	3/4	.7500	19.0500
17/64	.265625	6.7469	49/64	.765625	19.4469
9/32	.28125	7.1438	25/32	.78125	19.8438
19/64	.296875	7.5406	51/64	.796875	20.2406
5/16	.3125	7.9375	13/16	.8125	20.6375
21/64	.328125	8.3344	53/64	.828125	21.0344
11/32	.34375	8.7313	27/32	.84375	21.4313
23/64	.359375	9.1281	55/64	.859375	21.8281
3/8	.3750	9.5250	7/8	.8750	22.2250
25/64	.390625	9.9219	57/64	.890625	22.6219
13/32	.40625	10.3188	29/32	.90625	23.0188
27/64	.421875	10.7156	59/64	.921875	23.4156
7/16	.4375	11.1125	15/16	.9375	23.8125
29/64	.453125	11.5094	61/64	.953125	24.2094
15/32	.46875	11.9063	31/32	.96875	24.6063
31/64	.484375	12.3031	63/64	.984375	25.0031
1/2	.5000	12.7000	1	1.0000	25.4000

Electrical Symbols and Abbreviations

General Outlets

Ceiling Wall

○ -○	Lighting Outlet
Ⓑ -Ⓑ	Blanked outlet
Ⓓ	Deep cord
Ⓔ -Ⓔ	Electrical outlet: for use only when circle used alone might be confused with columns, plumbing symbols, etc.
Ⓕ -Ⓕ	Fan outlet
Ⓙ -Ⓙ	Junction box
Ⓛ -Ⓛ	Lamp holder
Ⓛ_{ₚₛ} -Ⓛ_{ₚₛ}	Lamp holder with pull switch
Ⓢ -Ⓢ	Pull switch
Ⓥ -Ⓥ	Outlet for vapor discharge lamp
Ⓧ -Ⓧ	Exit light outlet
Ⓒ -Ⓒ	Clock outlet (specify voltage)

Convenience Outlets

⊖	Duplex convenience outlet
⊖₁,₃	Convenience outlet other than duplex 1-single, 3-triplex, etc.
⊖_wp	Weatherproof convenience outlet
⊕_R	Range outlet
⊖_S	Switch and convenience outlet
⊖Ⓡ	Radio and convenience outlet
⬢	Special purpose outlet (Des. in Spec.)
⊟	Floor outlet

Switch Outlets

S	Single pole switch
S₂	Double pole switch
S₃	Three way switch
S₄	Four way switch
S_D	Automatic door switch
S_E	Electrolier switch
S_K	Key operated switch
S_P	Switch and pilot lamp
S_CB	Circuit breaker switch
S_WCB	Weatherproof circuit breaker
S_MC	Momentary contact switch
S_RC	Remote control switch
S_WP	Weatherproof switch
S_F	Fused switch
S_WF	Weatherproof fused switch

Special Outlets

Any standard symbol as given above with the addition of a lower case subscript letter may be used to designate some special variation of standard equipment of particular interest
in a specific set of architectural plans.

○_a,b,c,etc	When used they must be listed in the Key of Symbols on each drawing and if necessary further described
⊖_a,b,c,etc S_a,b,c,etc	in the specifications.

Panels, Circuits and Miscellaneous

■	Lighting panel
▨	Power panel
──	Branch circuit; concealed in ceiling or wall
─·─	Branch circuit; concealed in floor
······	Branch circuit; exposed
⟶	Home run to panel board. Indicated number of circuits by number of arrows.

*Note: Any circuit without further designation indicates a two-wire circuit.
For a greater number of wires indicate as follows: ⫫ (3 wires)
⫫⫫ (4 wires), etc.*

──	Feeders

Note: Use heavy lines and designate by number of corresponding to listing in feeder schedule.

⊡	Underfloor duct and junction box. Triple system

Note: For double or single systems eliminate one or two lines. This symbol is equally adaptable to auxiliary system layouts.

Ⓖ	Generator
Ⓜ	Motor
Ⓘ	Instrument
Ⓣ	Power transformer (or draw to scale)
⊠	Controller
⊡	Isolating switch

Auxiliary Systems

•	Push Button	⧄	Buzzer
◻_D	Bell	◇	Annunciator
◀	Outside telephone		
◁	Interconnecting telephone		
▷◁	Telephone switchboard		
Ⓣ	Bell ringing transformer		
Ⓓ	Electric door opener		
Ⓕ_D	Fire alarm bell	Ⓕ	Fire alarm station
◢◣	City fire alarm station		
FA	Fire alarm central station		
FS	Automatic fire alarm device		
W	Watchman's station		
W	Watchman's central station		
H	Horn		
N	Nurse's signal plug	M	Maid's signal plug
R	Radio outlet		
SC	Signal central section		
◻	Interconnection box	▥	Battery
─·─·─	Auxiliary system circuits.		

Note: Any line without further designation indicates a 2-wire system. For a greater number of wires designate with numerals in manner similar to – - – 12-No. 18 W-3'4"C, or designate by number corresponding to listing in schedule.

◻_a,b,c	**Special auxiliary outlets**

Subscript letters refer to notes on plans or detailed description
in specifications.

Diameter Ranges of Jacketed Cord and Wire Charts

Diameter Ranges of Jacketed Cord Chart - In Accordance with Standard UL62

Acceptable range in inches (mm) of the average overall diameter of round, jacketed heater cords and non-retractile vacuum cleaner and service cords.

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
SV, SVE, SVEO, SVOO	18	.22"-.26" (5.6-6.6)	.23"-.27" (5.8-6.9)	—	—
SVO, SVT, SVTOO, SVTO	16	.25"-.28" (6.2-7.1)	.26"-.30" (6.6-7.5)	—	—
SJ, SJE, SJOO, SJO, SJEO,	18	.28"-.32" (7.1-8.1)	.30"-.34" (7.6-8.6)	.33"-.37" (8.4-9.4)	—
SJEOOSJT, SJTO, SJTOO,	16	.31"-.34" (7.9-8.6)	.33"-.36" (8.4-9.1)	.35"-.40" (8.9-10.2)	—
SJEW, SJOOW, SJOW,	14	.34"-.38" (8.6-9.7)	.36"-.40" (9.1-10.2)	.39"-.44" (9.9-11.2)	—
SJEOW, SJEOOW, SJTW,	12	.41"-.46" (10.4-11.7)	.43"-.48" (10.9-12.2)	.47"-.52" (11.9-13.2)	—
SJTOW, SJTOOW	10	.54"-.61" (13.7-15.5)	.57"-.64" (14.5-16.3)	.63"-.70" (16.0-17.8)	—
S, SE, SOO, SEO, SEOO, ST	18	.34"-.39" (8.6-9.9)	.36"-.40" (9.1-10.2)	.39"-.43" (9.9-10.9)	.46"-.51" (11.7-13.0
STOO, STO, SEW, SOOW,	16	.37"-.41" (9.4-10.4)	.39"-.43" (9.9-10.9)	.41"-.46" (10.4-11.7)	.49"-.55" (12.4-14.0
SOW, SEOW, SEOOW, STW,	14	.50"-.55" (12.7-14.0)	.52"-.58" (13.2-14.7)	.56"-.62" (14.2-15.7)	.63"-.71" (16.0-18.0
STOOW, STOW	12	.57"-.63" (14.5-16.0)	.59"-.66" (15.0-16.8)	.64"-.71" (16.3-18.0)	.70"-.77" (17.8-19.6
	10	.62"-.69" (15.7-17.5)	.65"-.72" (16.5-18.3)	.70"-.78" (17.8-19.8)	.76"-.84" (19.3-21.3
	8	.78"-.88" (19.8-22.4)	.83"-.93" (21.1-23.6)	.93"-1.05" (23.6-26.7)	1.00"-1.15" (25.4-29.2)
	6	.92"-1.05" (23.4-26.7)	.97"-1.10" (24.6-27.9)	1.05"-1.20" (26.7-30.5)	1.18"-1.33" (30.0-33.8)
	4	1.06"-1.21" (26.9-30.7)	1.13"-1.28" (28.7-32.5)	1.25"-1.45" (31.8-36.8)	—
	2	1.21"-1.40" (30.7-35.6)	1.30"-1.50" (33.0-38.1)	1.45"-1.65" (36.8-41.9)	—

Nominal Diameters of Round Portable Power Cable - In Accordance with Standard CSA-C22.2 No. 96

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
W, G, G-GC, G-BGC, PPC	6	0.945" (24.0)	0.984" (25.0)	1.102" (28.0)	1.220" (31.0)
	4	1.063" (27.0)	1.142" (29.0)	1.260" (32.0)	1.417" (36.0)
	3	1.181" (30.0)	1.220" (31.0)	1.339" (34.0)	1.496" (38.0)
	2	1.260" (32.0)	1.339" (34.0)	1.496" (38.0)	1.614" (41.0)
	1	1.339" (34.0)	1.496" (38.0)	1.654" (42.0)	1.890" (48.0)
	1/0	1.417" (36.0)	1.614" (41.0)	1.772" (45.0)	1.929" (49.0)
	2/0	1.535" (39.0)	1.732" (44.0)	1.929" (49.0)	2.047" (52.0)
	3/0	1.654" (42.0)	1.890" (48.0)	2.047" (52.0)	2.244" (57.0)
	4/0	1.772" (45.0)	2.008" (51.0)	2.244" (57.0)	2.441" (62.0)

Wire Types Approximate Diameter in Inches (mm)*

Size (AWG or kcmil)	THHN, THWN, THWN-2 Inches (mm)	TW, THHW, THW, THW-2 Inches (mm)	XHHW, ZW, XHHW-2, XHH Inches (mm)
12	0.130 (3.302)	0.152 (3.861)	0.152 (3.861)
10	0.164 (4.166)	0.176 (4.470)	0.176 (4.470)
8	0.216 (5.486)	0.236 (5.994)	0.236 (5.994)
6	0.254 (6.452)	0.304 (7.722)	0.274 (6.960)
4	0.324 (8.230)	0.352 (8.941)	0.322 (8.179)
3	0.352 (8.941)	0.380 (9.652)	0.350 (8.890)
2	0.384 (9.754)	0.412 (10.46)	0.382 (9.703)
1	0.446 (11.23)	0.492 (12.50	0.442 (11.23)
1/0	0.486 (12.34)	0.532 (13.51)	0.482 (12.34)
2/0	0.532 (13.51)	0.578 (14.68)	0.528 (13.41)
3/0	0.584 (14.83)	0.630 (16.00)	0.580 (14.73)
4/0	0.642 (16.31)	0.688 (17.48)	0.638 (16.21)
250	0.711 (18.06)	0.765 (19.43)	0.705 (17.91)
300	0.766 (19.46)	0.820 (20.83)	0.760 (19.30)
350	0.817 (20.75)	0.871 (22.12)	0.811 (26.60)
400	0.864 (21.95)	0.918 (23.32)	0.858 (21.79)
500	0.949 (24.10)	1.003 (25.48)	0.943 (23.95)
600	1.051 (26.70)	1.113 (28.27)	1.053 (26.75)
700	1.122 (28.50)	1.184 (30.07)	1.124 (25.55)
750	1.156 (29.36)	1.218 (30.94)	1.158 (29.41)
800	1.188 (30.18)	1.250 (31.75)	1.190 (30.23)
900	1.252 (31.80)	1.314 (33.38)	1.254 (31.85)
1000	1.310 (33.27)	1.372 (34.85)	1.312 (33.32)

*Note: *Information Sourced from the National Electrical Code.*

General Technical Data

IEC Pin and Sleeve Terminal Identification

IEC Pin and Sleeve Terminal Identification – Rear View

Description	Rating		Terminal Marking Pattern*			
	Domestic	International	Receptacle and Connector		Plug and Inlet	
			Domestic	International	Domestic	International
3 Wire	125V AC 277V AC	100-130V	White / Green	White / Green	White / Green	White / Green
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC	Green		Green	
4 Wire	125/250V AC 1ØY 120/208V	—	White / Green		White / Green	
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC	★Pilot / Green		★Pilot / Green	
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz	White ★Pilot / Green		★Pilot White / Green	

*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
★Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.

HUBBELL® Wiring Device-Kellems   www.hubbell-wiring.com

General Technical Data

Horsepower Ratings

Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

Single Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	New HP Rating
20	3	125V	4	HBL320x4W	1
20	3	250V	6	HBL320x6W	2
20	3	480V	7	HBL320x7W	5
20	4	125/250 (208L-L)	12	HBL420x12W	2
20	4	125/250 (250L-L)	12	HBL420x12W	2
20	4	125/250 (125L-N)	12	HBL420x12W	1
30	3	125V	4	HBL330x4W	2
30	3	250V	6	HBL330x6W	3
30	3	480V	7	HBL330x7W	7.5
30	3	550VDC	8	HBL330X8	N/A
30	4	125/250 (208L-L)	12	HBL430x12W	3
30	4	125/250 (250L-L)	12	HBL430x12W	3
30	4	125/250 (125L-N)	12	HBL430x12W	2
60	3	125V	4	HBL360x4W	2
60	3	250V	6	HBL360x6W	3
60	3	480V	7	HBL360x7W	7.5
60	3	250VDC	3	HBL360x3W	N/A
60	3	550VDC	8	HBL360x8W	N/A
60	4	125/250 (208L-L)	12	HBL460x12W	3
60	4	125/250 (250L-L)	12	HBL460x12W	3
60	4	125/250 (125L-N)	12	HBL460x12W	2
100	3	125V	4	HBL3100x4W	5
100	3	250V	6	HBL3100x6W	15
100	3	480V	7	HBL3100x7W	30
100	3	250VDC	3	HBL3100x3W	N/A
100	3	550VDC	8	HBL3100x8W	N/A
100	4	125/250 (208L-L)	12	HBL4100x12W	10
100	4	125/250 (250L-L)	12	HBL4100x12W	15
100	4	125/250 (125L-N)	12	HBL4100x12W	5

3-Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	Present HP Rating	New HP Rating
20	4	3Ø 250V	9	HBL420x9W	2	5
20	4	3Ø 480V	7	HBL420x7W	5	10
20	4	3Ø 600V	5	HBL420x5W	7.5	10
20	4	3Ø 380-415V	6	HBL420x6W	-	7.5
20	5	3ØY 120/208V	9	HBL520x9W	0.5	3
20	5	3ØY 277/480V	7	HBL520x7W	5	10
20	5	3ØY 347/600V	5	HBL520x5W	7.5	10
20	5	3Ø 240/415V	6	HBL520x6W	-	5
30	4	3Ø 250V	9	HBL430x9W	3	7.5
30	4	3Ø 480V	7	HBL430x7W	7.5	15
30	4	3Ø 600V	5	HBL430x5W	10	20
30	5	3ØY 120/208V	9	HBL530x9W	2	5
30	5	3ØY 277/480V	7	HBL530x7W	7.5	15
30	5	3ØY 347/600V	5	HBL530x5W	10	20
30	4	3Ø 380/415V	6	HBL430x6W	-	10
30	5	3Ø 200/346-240/415	6	HBL530x6W	-	10
60	4	3Ø 250V	9	HBL460x9W	5	7.5
60	4	3Ø 480V	7	HBL460x7W	10	20
60	4	3Ø 600V	5	HBL460x5W	15	25
60	4	3Ø 380-415VAC	6	HBL460x6W	-	10
60	5	3ØY 120/208V	9	HBL560x9W	3	7.5
60	5	3ØY 277/480V	7	HBL560x7W	10	20
60	5	3ØY 347/600V	5	HBL560x5W	15	25
60	5	3Ø 200/346-240/415	6	HBL560x6W	-	10
100	4	3Ø 250V	9	HBL4100x9W	10	15
100	4	3Ø 480V	7	HBL4100x7W	30	40
100	4	3Ø 600V	5	HBL4100x5W	30	50
100	4	3Ø 380-415V	6	HBL4100x6W	-	30
100	5	3ØY 200/346-240/415V	6	HBL5100x6W	-	30
100	5	400VDC	8	HBL5100x8W		N/A
100	5	3ØY 120/208V	9	HBL5100x9W	10	15
100	5	3ØY 277/480V	7	HBL5100x7W	30	40
100	5	3ØY 347/600V	5	HBL5100x5W	30	50

*Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.*
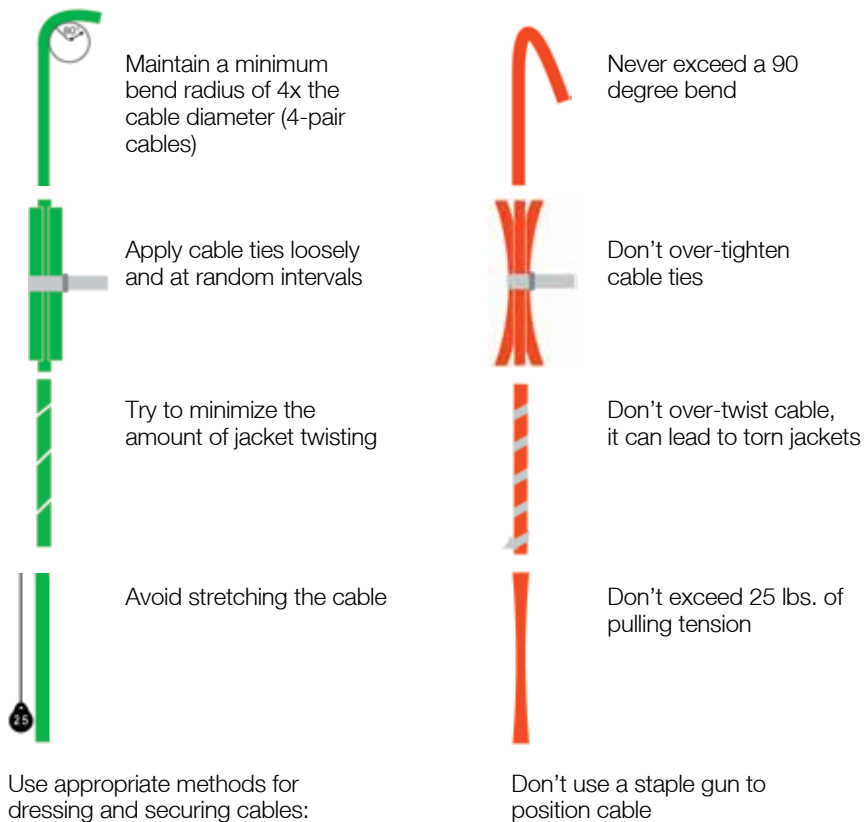
General Technical Data

Network Cabling Requirements

Supported Media - International

Designation	ANSI/TIA-568-C	ISO/IEC 11801 Amend 2: 2010	CENELEC EN-50173-1: 2002
Category 3 (16 MHz)	Supported	Supported: Class C	Supported: Class C
Category 5e (100 MHz)	Supported	Supported: Class D	Supported: Class D
Category 6 (250 MHz)	Supported	Supported: Class E	Supported: Class E
Category 6A (500 MHz)	Supported	Supported: Class E$_A$	Supported: Class E$_A$
Category 7 (600 MHz)	Not Recognized	Supported: Class F	Supported: Class F
Category 7A (1,000 MHz)	Not Recognized	Supported: Class F$_A$*	Supported: Class F$_A$*
Category 8 (2,000 MHz)	Not Recognized	Supported: Class F$_A$*	Supported: Class F$_A$*
50/125 - 62.5/125 Multimode	Supported	Supported	Supported
Singlemode Fiber	Supported	Supported	Supported
Singlemode Fiber to the Work Area	Not Supported	Supported	Supported
Work Area Outlet Configuration	4 Pairs T568A or B	4 Pairs T568A Only	4 Pairs T568A Only
Stranded Patch Cord Attenuation	120% of Horiz. Cable	150% of Horiz. Cable	150% of Horiz. Cable

*Note: *Category 8 proposed in TIA 568-C.2-1 for 40 GBASE-T. ISO/IEC and cenelec to be determined. ISO/IEC and cenelec considering expanding Class F$_A$ frequency in addition to a considering new Class.*

- Strip back only as much cable jacket as is required for termination and maintain pair twists as close as possible to the point of mechanical termination
- At a minimum, never allow untwisting of pairs as specified:
  Category 5e and 6/6A: 0.5 inch max.

Maintain a minimum bend radius of 4x the cable diameter (4-pair cables)

Never exceed a 90 degree bend

Apply cable ties loosely and at random intervals

Don't over-tighten cable ties

Try to minimize the amount of jacket twisting

Don't over-twist cable, it can lead to torn jackets

Avoid stretching the cable

Don't exceed 25 lbs. of pulling tension

Use appropriate methods for dressing and securing cables:
- Cable ties
- Cable support bar
- Wire management panels
- Releasable straps

Don't use a staple gun to position cable

HUBBELL® Wiring Device-Kellems

www.hubbell-wiring.com

US Offices

HUBBELL INCORPORATED (Delaware)

40 Waterview Drive
Shelton, Connecticut 06484
Tel: (475) 882-4000
www.hubbell.com

HUBBELL PREMISE WIRING

23 Clara Drive, Suite 103
Mystic, Connecticut 06355
Tel: (800) 626-0005
www.hubbell-premise.com

Northeast Regional Office
103 S. High Street
West Chester, PA 19382
Phone: (610) 436-9652
(610) 436-9653

Central Regional Office
801 Warrenville Road
Suite 245
Lisle, IL 60532-3601
Phone: (630) 810-4901

Southern Regional Office
1511 Johnson Ferry Rd
Suite 100
Marietta, GA 30062
Phone: (770) 565-2183

Western Regional Office
4960 Robert J Mathews Pkwy
Suite A
El Dorado Hills, CA 95762-5721
Phone: (916) 673-1980

Hubbell Wiring Global Sales Locations

CANADA

Hubbell Canada LP
870 Brock Road South
Pickering, Ontario L1W 1Z8
Canada
Tel: 905-839-1138
Fax: 905-839-9108

MEXICO

Hubbell Products México, S. de R.L. de C.V.
Calle Cinco Sur # 104
Col. Parque Industrial Toluca 2000
C.P. 50200 Toluca, México
Tel: (722) 265 44 00

EUROPE REGION HQ

Hubbell Wiring Systems, Europe
Brunel Drive
Stretton Park
Burton Upon Trent
Staffordshire DE13-OBZ
England
Tel: 44-1283-500500
Fax: 44-1283-500400

MIDDLE EAST, AFRICA, INDIA

Hubbell Premise Wiring
Building 6EB, Office 432
Dubai Airport Free Zone (DAFZ)
P.O. Box 23529
Dubai, United Arab Emirates
Tel: 971-4-609-1222
Fax: 971-4-609-1225

INDIA and SAARC

Hubbell Wiring Systems
Unit Number 4B, 1st Floor, Zenith Building
Ascendas IT Park, CSIR Road
Taramani Chennai – 600113
Tel: +91-94088 1554
Tel: +91-44 4930 4052

DOMINICAN REPUBLIC

COLOMBO-INTER
Av. Hispanoamericano
Zona Franca Industrial
Caribbean Industrial Park
Modulo B-4c
Matanza, Santiago, Dominican Republic
Tel: (809) 626-5993
Mobile: (809) 445-3111

LATIN AMERICA REGION HQ

Hubbell Wiring Systems
12973 SW 112 ST, #390
Miami, FL 33186
Tel: 305-408-4501
Fax: 305-408-8201

CENTRAL AMERICA

Hubbell Wiring Systems, Central America
Frente al Banco Nacional de Costa Rica
Barva, Heredia
Costa Rica
Tel: 506-8328-4283
Fax: 506-2260-1616

COLOMBIA, ECUADOR, PERU and VENEZUELA

Hubbell Premise Wiring
Calle Luxemburgo y Av. Portugal
#N-34-340
Quito, Ecuador
Tel: 593-9-9339-6400 (Ecuador)

COLOMBIA

Vistalev
Carrera 11 #93A-53
Bogotá D.C. - Colombia
Tel: 571-634-7623
Mobil: 571-310-209-0076

ARGENTINA, CHILE, URUGUAY and PARAGUAY

Hubbell Wiring Systems
1406 Primera Junta 2361
Buenos Aires, Argentina
Tel: 54-911-6268-0441

CARIBBEAN

Hubbell Wiring Systems
P. O. Box 4138
Road 686, Km. 17.3
Vega Baja, Puerto Rico 00694-4138
Tel: 787-674-2727

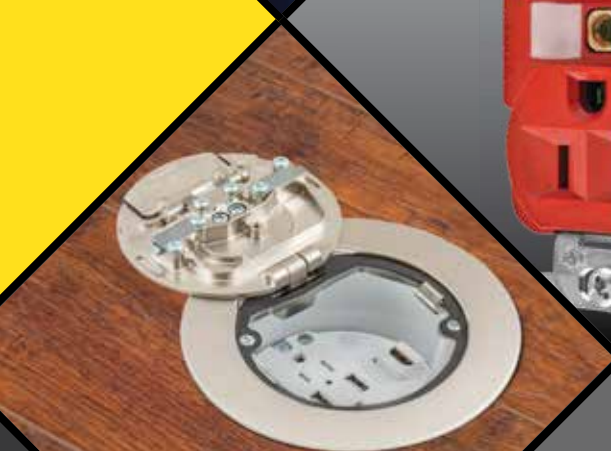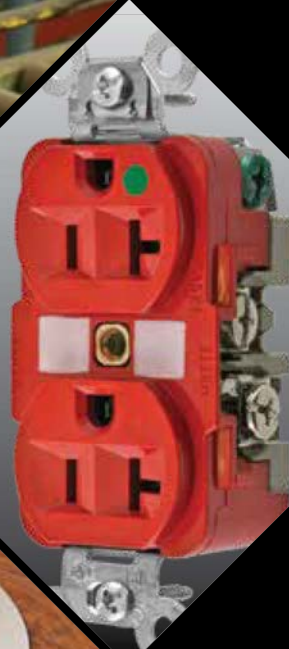### TRINIDAD

Single Source Solutions
18 Vallot Street
Boissiere No. 1, Maraval
Port of Spain
Trinidad, West Indies
Tel: +1-305-407-8092

PHILIPPINES

HUBBELL-TAIAN CO. LTD.
Philippine Representative Office
Raffles Corporate Center Unit 1409,
14th Floor
Emerald Ave., Ortigas Business District
Brgy. San Antonio, Pasig City 1605
Philippines
Telefax: (632) 655-6893 / 655-2938 /
655-9959

ASIA PACIFIC REGION HQ/ HONG KONG

Hubbell Wiring Systems
15/F, Radio City
511 Hennessy Road
Causeway Bay, Hong Kong
Tel: 852-2836-7131
Fax: 852-2836-7132

CHINA

Hubbell Commercial & Trading
(Shanghai) Co., Ltd
Room H/I, 18F
Shanghai International Ocean and
Finance Building
No. 720 Pudong Avenue
Shanghai 200120, P. R. China
Tel: 8621-3392-6550 ext 218
Fax: 8621-3392-6551

KOREA

Hubbell International, Inc.
Korea Branch
512 Hyosung Intellian
426 Kangseo-Rd., Kangseo-Ku
Seoul 157-930 , Korea
Postal Code: 07582
Tel: 82-2-2607-1363
Fax: 82-2-2603-7386

TAIWAN

Hubbell-Taian Co., Ltd.
7F, No. 19-8, Sanchong Road,
Nangang Dist. 11501 Taipei, Taiwan
Tel: 02-2655-1028
Fax: 02-2655-1029

HUBBELL
Your Complete Online Resource

An all incllusive product search will supply end users with a spec sheet, corresponding literature, diagrams and more.

HUBBELL ®
Wiring Device-Kellems

www.hubbell-wiring.com

HUBBELL ®