

Wiring Duct

From the smallest wall mounted panels to the largest integrated turnkey systems, Panduit® Panduct® Wiring Duct is the premium wire management solution for routing and concealing wiring in electrical control panels. Panduct® Wiring Duct provide solutions for the original equipment manufacturing, transportation, contract manufacturing, maintenance and repair and communications markets. Panduct® Wiring Duct is UL recognized and CSA Certified and most carry the CE mark.

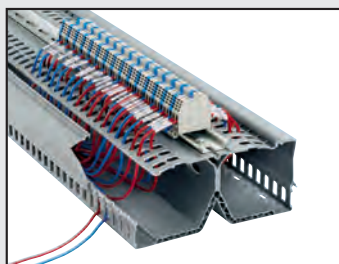
Some of the features and benefits found in Panduct® Wiring Duct include:

- Smooth corners and edges that will not abrade wiring or irritate hands
- Integrated nonskid liners and unique cover designs insure the duct cover will not slide once installed or during vibration
- Specially formulated lead-free PVC material meets the NFPA79: 2015 flame retardancy requirements and carries a UL 94 V-0 flammability rating
- Scorelines for easy removal of duct fingers and sidewalls
- Accessories and tools that increase productivity and lower the installed cost

Panduit continues to develop new Panduct® Wiring Duct solutions to satisfy the challenges facing our customers worldwide. Maximize the utilization of enclosure space with PanelMax™ Corner Wiring Duct, DIN Rail Wiring Duct, and Noise Shield. PanelMax™ Corner Wiring Duct fits into unused space in the corner of enclosures providing up to 20% enclosure space savings*. Integrate component mounting with wire management with PanelMax™ DIN Rail Wiring Duct for up to 30% enclosure space savings. PanelMax™ Noise Shield provides noise mitigation between noisy and sensitive cabling and can reduce air space requirements within the enclosure.

*Versus panel layouts using conventional wiring duct.

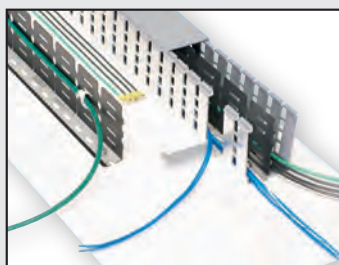
Wiring Duct for Control Panel Applications


**PanelMax™ DIN Rail
Wiring Duct**

1

Up to 30% space savings vs.
conventional duct/rail layouts.

(pages C1.4 – C1.5)


**PanelMax™ Shielded
Wiring Duct and
Noise Shield**

2

Shielded products help mitigate
noise up to 20 dB or create up
to 6 inches of air space.

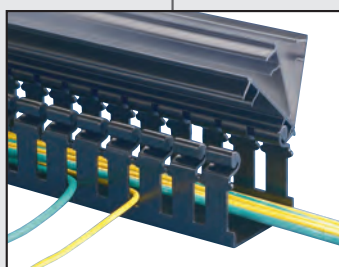
(pages C1.6 – C1.7)


**PanelMax™ Corner
Wiring Duct**

3

Up to 20% space savings
in layouts with side and
back panels

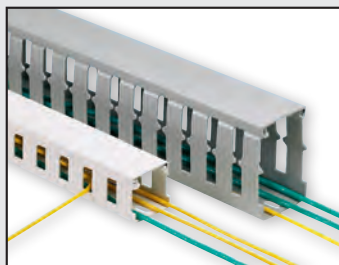
(pages C1.8 – C1.9)

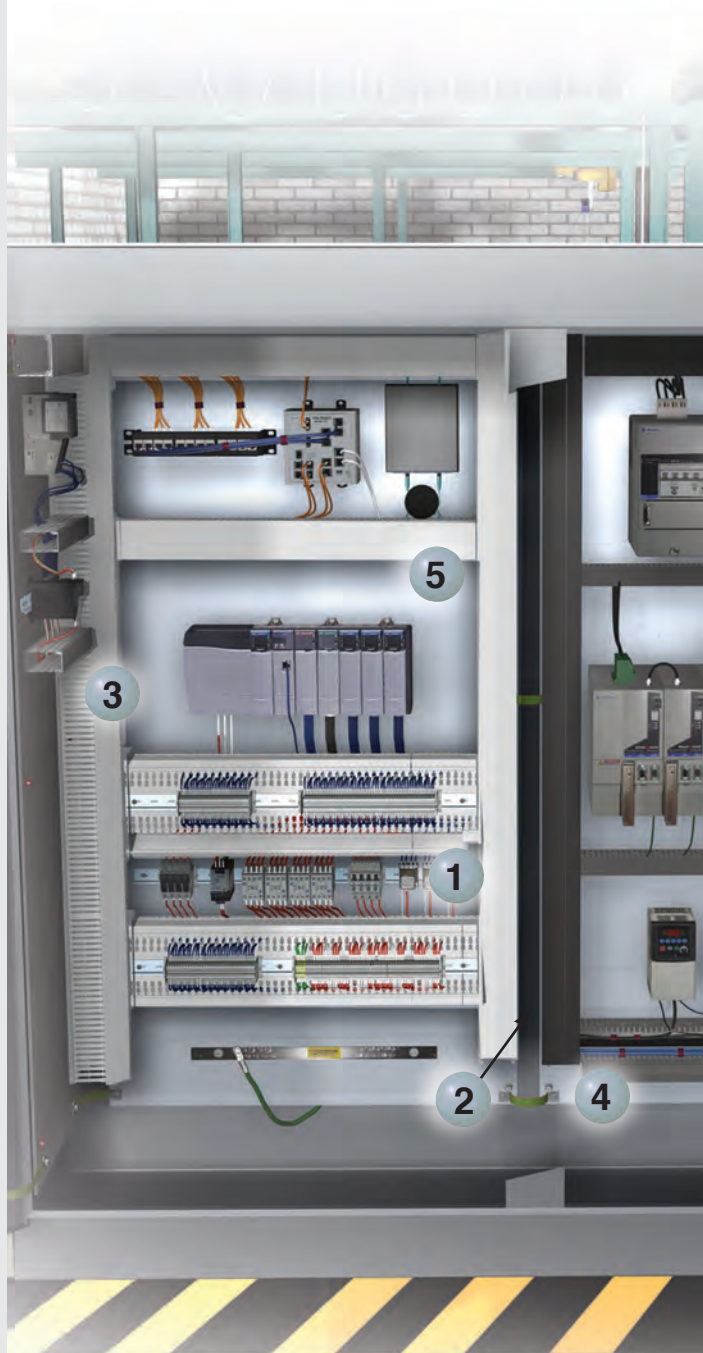

**Hinged Cover
Wiring Duct**

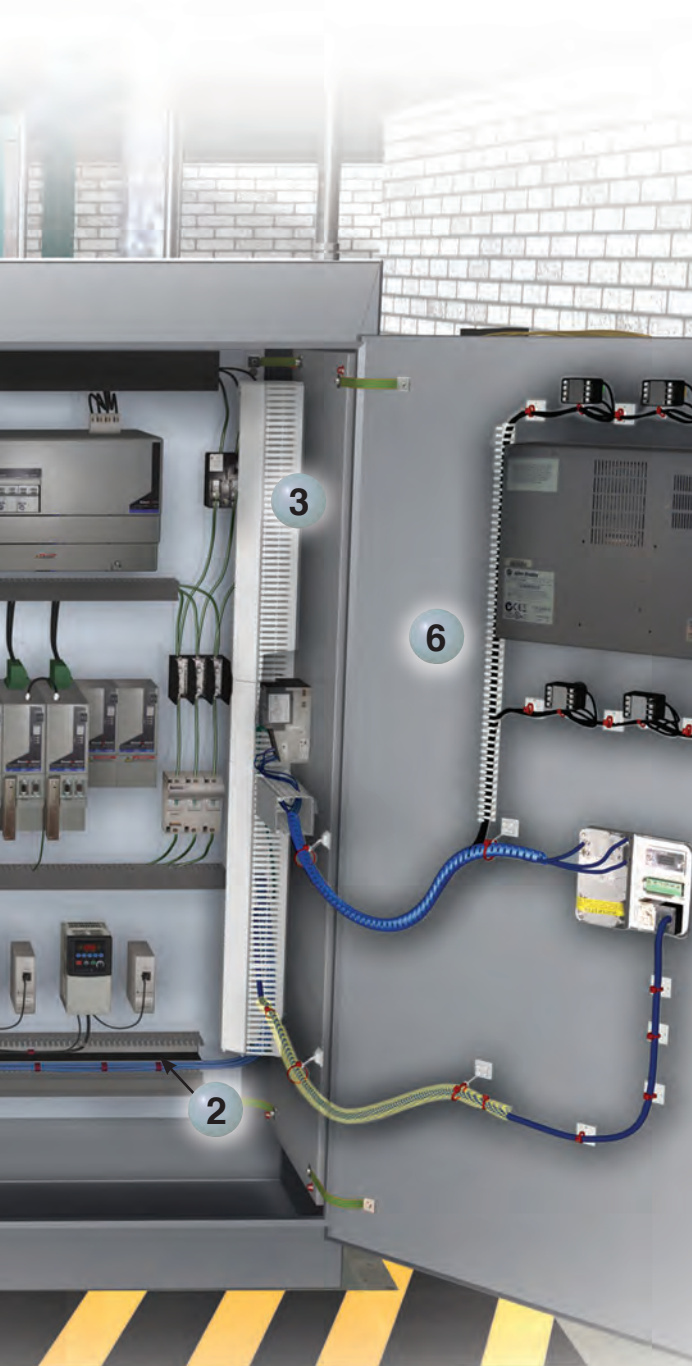
4

Wide slot, narrow slot, and
solid wall wiring duct with
hinging cover.

(pages C1.10 – C1.12)


**Type NE and NNC
Halogen Free Wiring Duct**
Up to 203°F (95°C)
operating temperature

**Type TNC Low-Smoke,
Halogen Free Wiring Duct**
Up to 221°F (105°C)
operating temperature
(pages C1.24 – C1.28)




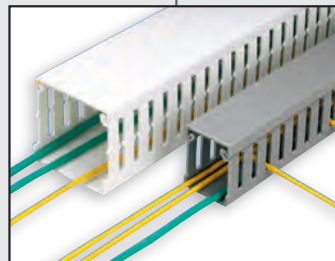
Accessories
(pages C1.29 – C1.36)

5

Type F Narrow Slot Wiring Duct

Narrow slot, narrow finger design fits the spacing of high-density terminal blocks.

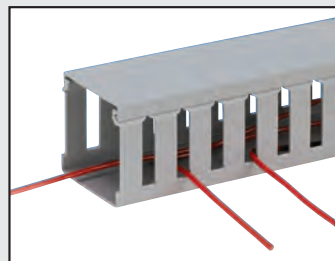
(pages C1.16 – C1.17)



Type G Wide Slot Wiring Duct

Wide slot, wide finger design.

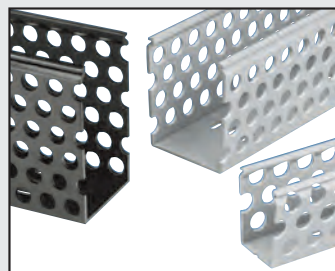
(pages C1.14 – C1.15)



Type D Round Hole Wiring Duct

Multiple rows of holes to retain and support wire of variable heights and positions.

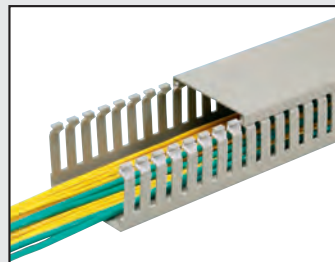
(pages C1.18 – C1.19)



Type MC Metric Wiring Duct

Narrow slot, narrow finger design with DIN 43 659 mounting holes.

(pages C1.20 – C1.21)

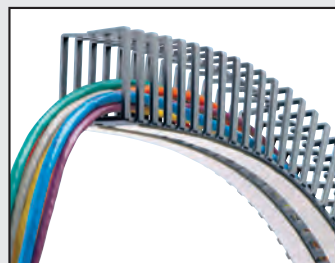


6

Type FL Flexible Wiring Duct

Solution for door mounted push-button wiring or tight spaces without cover access.

(page C1.30)



A

B1

Features and Benefits – Panduit® PanelMax™ DIN Rail Wiring Duct

B2

DIN rail and DIN component compatible

B3

Integrated fastener slot
accepts supplied screw fasteners
to install DIN rail (user supplied rail)

C1

Locating ribs
align and center DIN rail
during installation

C2

C3

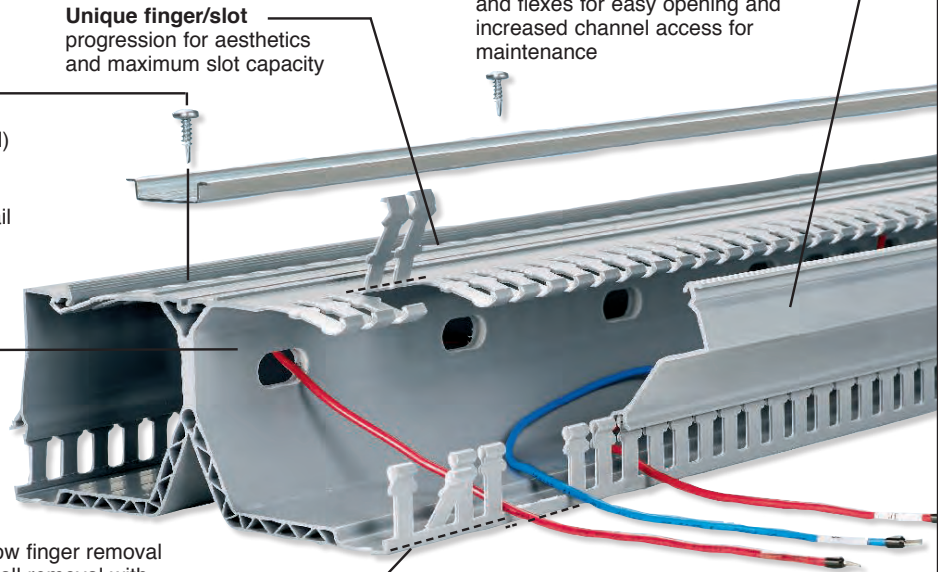
Pass-through holes
shorten the wiring path between
components on the same DIN rail

C4

D1

Score lines allow finger removal
and base sidewall removal with
sidewall notching tool

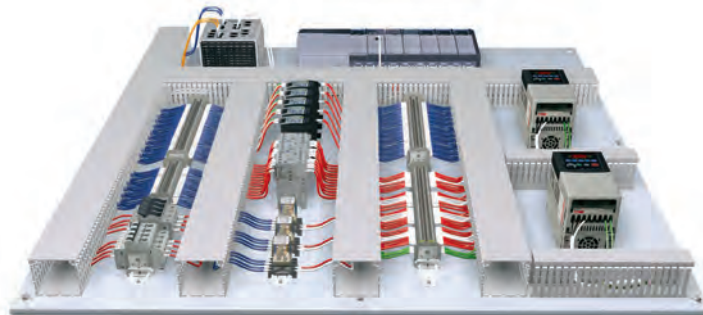
Hinged and flexible cover
acts as ledge for wire installation
and flexes for easy opening and
increased channel access for
maintenance



D2

Conventional Wiring Duct Panel Layout:

D3



E1

E2

E3

DIN Rail Wiring Duct Panel Layout with 30% Space Savings:

E4

E5

F



G

H

Panduit® PanelMax™ DIN Rail Wiring Duct positions DIN rail and components off the panel directly above an integrated wire management channel for a 30%+ smaller footprint to the panel layout.

C1.4

Order number of pieces required, in multiples of Standard Package Quantity.

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

cUL US **SR** **CE** **Panduit® PanelMax™ DIN Rail Wiring Duct**

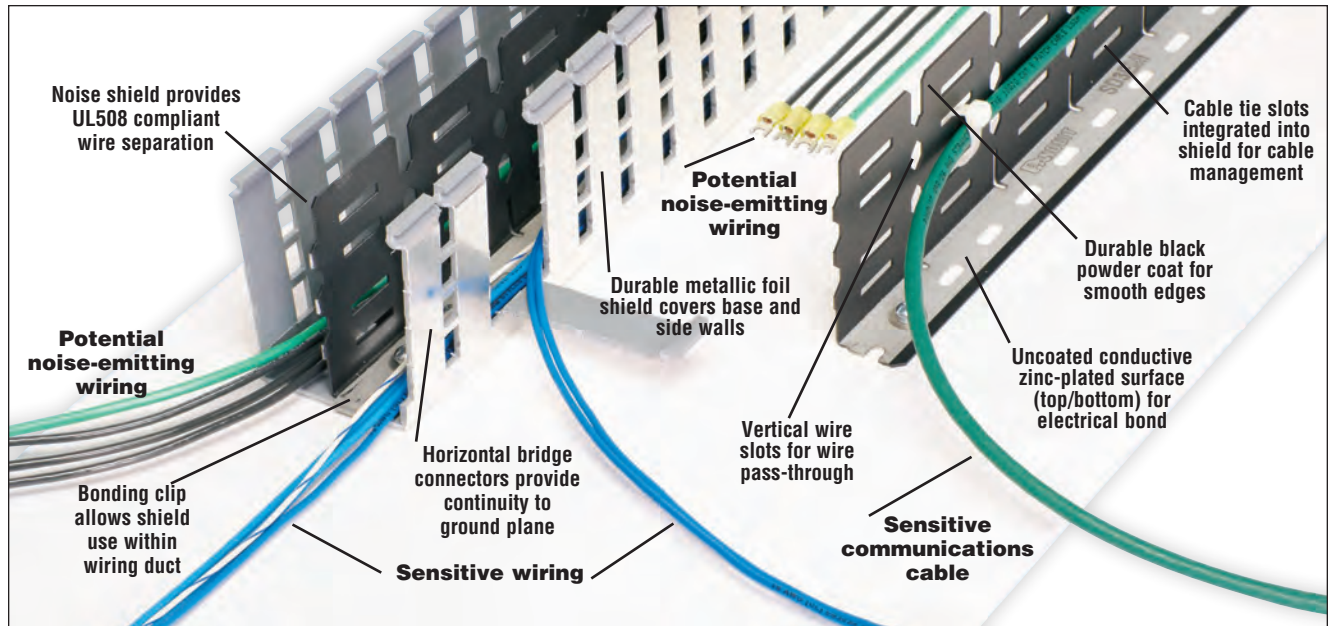
- Space saving design positions DIN rail and components off the panel directly above an integrated wire management channel for up to a 30% smaller footprint for duct and components; increased design flexibility and component access for easier installation and maintenance
- DIN rail and DIN component compatible with standard 35mm or 15mm rails and many DIN rail mount components for design flexibility
- Integrated DIN rail fastening slot allows the DIN rail to mount directly to product with plastic thread cutting screws for up to 40% faster duct and rail installation and reduced labor costs
- Hinged cover remains attached during maintenance and upgrades preventing lost covers, ensuring panel integrity, safety and aesthetics; L-shaped cover acts as ledge to aid wire installation for ease of use
- Slotted platform (horizontal) manage the wire from channel mounted components, outer sidewall slots (vertical) manage wire from adjacent panel mounted components; unique finger and slot progression for optimal wire management and aesthetics
- Channel pass through slots allows wires to transition internally between channels to ease wire connections to either side of components mounted on the same rail minimizing wire length and reducing material cost
- Optional wire retainer accessory retains cabling with cover opened or removed easing wire installation and future wire additions

**DRD****DRDWR****DRDCS**

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
DRD22LG6	2" height PanelMax™ DIN Rail Wiring Duct with dual wiring channels. 6.25" W x 2.12" H (158.7mm x 54.0mm). Base, covers and DIN rail fasteners included.	6 Ft.	6 Ft.
DRD33LG6	3" height PanelMax™ DIN Rail Wiring Duct with dual wiring channels. 7.25" W x 3.14" H (184.1mm x 79.9mm). Base, covers and DIN rail fasteners included.		
DRD44LG6	4" height PanelMax™ DIN Rail Wiring Duct with dual wiring channels. 8.23" W x 4.12" H (209.0mm x 104.8mm). Base, covers and DIN rail fasteners included.		
DRDC2LG6	2" replacement cover for PanelMax™ DIN Rail Wiring Duct. 1.58" W x 72" L (40.1mm x 1828.8mm)	6 Ft.	24 Ft.
DRDC3LG6	3" replacement cover for PanelMax™ DIN Rail Wiring Duct. 2.26" W x 72" L (57.4mm x 1828.8mm)		
DRDC4LG6	4" replacement cover for PanelMax™ DIN Rail Wiring Duct. 2.76" W x 72" L (70.1mm x 1828.8mm)		
DRDSF-C	Replacement DIN rail fasteners for PanelMax™ DIN Rail Wiring Duct.	100	—
DRDWR2-X	2" wire retainer for PanelMax™ DIN Rail Wiring Duct.	10	100
DRDWR3-X	3" wire retainer for PanelMax™ DIN Rail Wiring Duct.		
DRDWR4-X	4" wire retainer for PanelMax™ DIN Rail Wiring Duct.		
DRDCS2-X	2" corner strip for PanelMax™ DIN Rail Wiring Duct.		
DRDCS3-X	3" corner strip for PanelMax™ DIN Rail Wiring Duct.		
DRDCS4-X	4" corner strip for PanelMax™ DIN Rail Wiring Duct.		

Product sold base and cover together in 6 ft. lengths. Replace LG with WH for white color. Dimensions in parenthesis are metric.
For tool information refer to www.panduit.com/tools.

Features and Benefits – Panduct® PanelMax™ Shielded Wiring Duct and Noise Shield



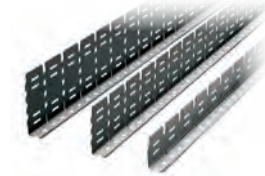
PanelMax™ Noise Shield separates drive cables and sensitive communication/signal cables within industrial control panels to reduce electromagnetic interference (EMI) while saving valuable space.



Metal noise barrier equivalent to 6 inches of air spacing between power and signal cables, saves valuable panel space.



Perforated and pre-scored sections make it easy to cut to length with minimal deburring required.



Design Flexibility
Can be installed directly to metal panel surface or within Panduit wiring duct. Compatible with 2", 3", and 4" height wiring ducts.



Bonding Clips
Noise Shield includes four bonding clips when mounting Noise Shield inside wiring duct.

Panduct® PanelMax™ Noise Shield

- Reduces EMI/RFI noise between sensitive and noisy wiring for up to 20dB reduction in noise, or 90% NVR (equivalent to 6 inches of air spacing); innovative design installs easily within Panduit wiring duct or when mounted separately, delivering greater design flexibility to satisfy a wide range of applications
- Perforated and pre-scored sections speed installation by allowing sections of the shield to be snapped off at pre-scored locations to easily cut to length with minimal deburring required
- Vertical wall slots allow wires to cross the barrier at 90° when necessary, providing greater design flexibility
- Horizontal cable tie slots allow cable bundles to be held in place using cable ties so cabling is kept near barrier for greater reliability and optimal aesthetics
- Zinc plated steel surface in contact areas with sub-panel and bonding clip ensures continuity and is corrosion resistant
- Black powder coated vertical surface for smooth edges
- Meets UL 508/508A requirements as a barrier between conductors



PanelMax™ Noise Shield and Bonding Clips

Part Number	Part Description	Std. Pkg. Qty.
SD2EMI	EMI Noise Shield kit for 2" height Panduit Wiring Duct; (2) three foot sections, bonding clips, and anti-oxidizing paste.	1
SD3EMI	EMI Noise Shield kit for 3" height Panduit Wiring Duct; (2) three foot sections, bonding clips, and anti-oxidizing paste.	
SD4EMI	EMI Noise Shield kit for 4" height Panduit Wiring Duct; (2) three foot sections, bonding clips, and anti-oxidizing paste.	
SDCLIP	Noise Shield replacement bonding clips – 2 clips.	

For tool information refer to www.panduit.com/tools.

Panduct® PanelMax™ Shielded Wiring Duct

- Durable and continuous metallic foil covers and shields outer duct surfaces providing EMI/RFI noise reduction between sensitive and noisy wiring for up to 20dB reduction in noise, or 90% NVR (equivalent to 6 inches of air spacing)
- Slotted sidewalls with horizontal bridge connectors provide wire management capability and noise reduction in the full height of the duct; slot size compatible with various wire types and sizes, including UTP Ethernet cabling
- High-quality Panduit PVC wiring duct base fully contains and protects wiring, easy to cut and install, and uses standard Panduit wiring duct covers
- Installs with standard fasteners including Panduit NR1 rivets

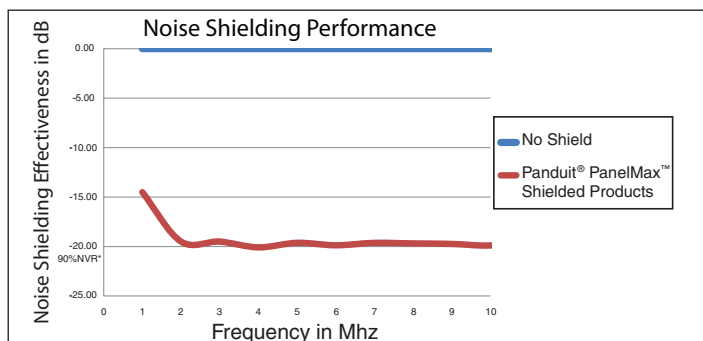


PanelMax™ Shielded Wiring Duct

Part Number	Part Description	Std. Pkg. Qty.
G2X2LG6EMI	2" x 2" PanelMax™ Shielded Wiring Duct; 6-foot length. Foil metal finish includes anti-oxidizing paste. Cover sold separately.	12
G2X3LG6EMI	2" x 3" PanelMax™ Shielded Wiring Duct; 6-foot length. Foil metal finish includes anti-oxidizing paste. Cover sold separately.	
G2X4LG6EMI	2" x 4" PanelMax™ Shielded Wiring Duct; 6-foot length. Foil metal finish includes anti-oxidizing paste. Cover sold separately.	

Use C2LG6 or C2WH6 cover with shielded wiring duct. Standard package quantity in feet.
For tool information refer to www.panduit.com/tools.

Performance Characteristics

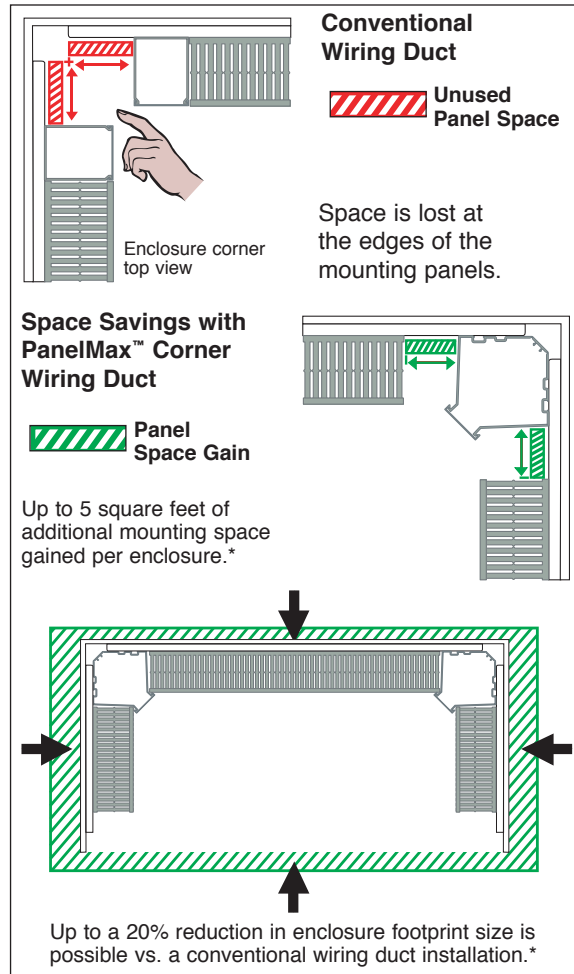
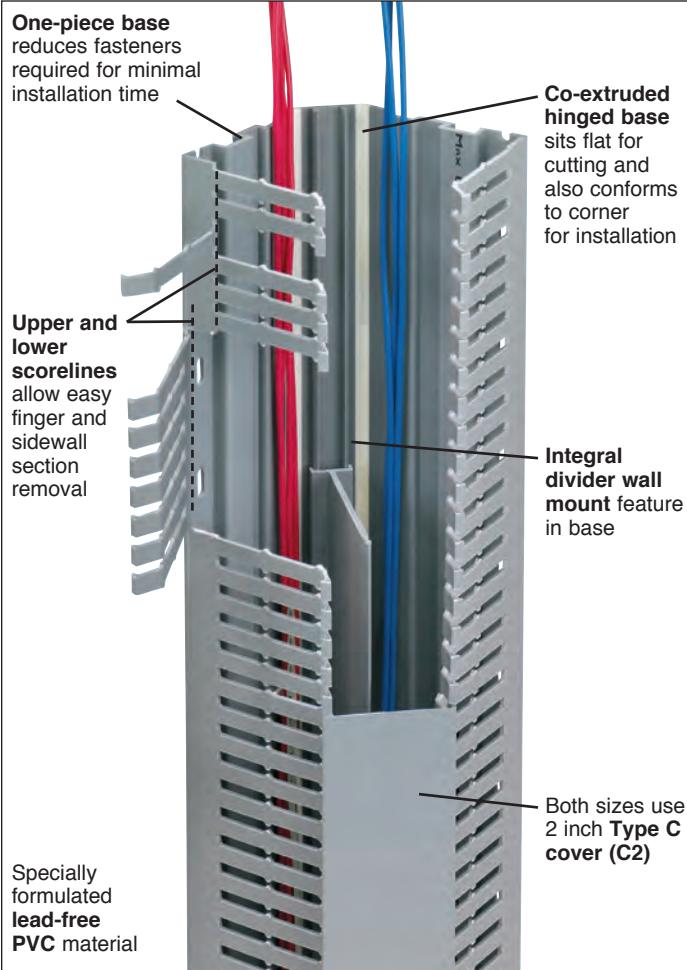


Relative noise reduction in decibels over frequency range of Panduit® PanelMax™ Shielded Wiring Duct and Noise Shield

PanelMax™ Shielded Wiring Duct and Noise Shield deliver approximately 20dB of noise reduction across common industrial noise frequencies at 30mm wire separation with an approximate 1-meter coupling length.

*NVR (Noise Voltage Reduction percentage).

Features and Benefits – Panduct® PanelMax™ Corner Wiring Duct



Panduct® Type C Cover with Protective Film

Reduces scrap and labor costs by protecting the surface during storage, handling, and installation.

(see page C1.9)



Panduct® Divider Wall

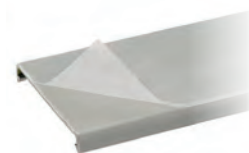
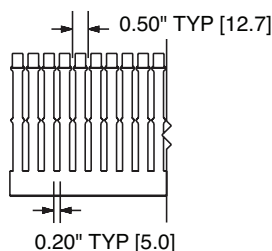
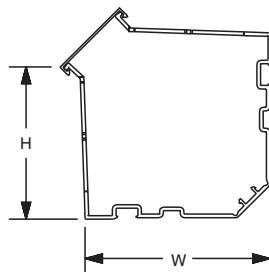
Creates separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.

(see page C1.30)

*Actual subpanel space savings will vary depending on wiring duct size, component layout, and enclosure size and type. Footprint savings is based on commercially available enclosures and may not be achievable in some applications.

PanelMax™ Corner Wiring Duct

- Fits in the unused space in the vertical corner of enclosures, gaining sub-panel space or saving enclosure footprint area
- One-piece base requires less time to install than multi-piece solutions
- Optional quick mount clips engage anywhere along the product base further reducing assembly costs
- Panduit® divider wall snaps directly to the integrated mounting feature in the channel to create two separate channels
- Compatible with Panduit 2", 3", and 4" height wiring duct; all product sizes use standard 2 inch wiring duct cover
- Base and cover length is 6 feet
- Base and covers sold separately



To order cover with protective film add "-F" to part number. 6" cover not available with protective film.



Part Number	Duct Size W x H		Slot Width		Cover Part Number	Std. Pkg. Qty.	Base Ctn. Qty.	Cover Ctn. Qty.
	In.	mm	In.	mm				
CWD2LG6	3.35 x 2.57	85.0 x 65.3	0.2	5.0	C2LG6	6	24	120
CWD3LG6	4.40 x 3.57	111.8 x 90.7	0.2	5.0	C2LG6			
CWD4LG6	5.33 x 4.58	135.3 x 115.7	0.2	5.0	C2LG6			
CWD2WH6	3.35 x 2.57	85.0 x 65.3	0.2	5.0	C2WH6			
CWD3WH6	4.40 x 3.57	111.8 x 90.7	0.2	5.0	C2WH6			
CWD4WH6	5.33 x 4.58	135.3 x 115.7	0.2	5.0	C2WH6			

For tool information refer to www.panduit.com/tools.



CDLB



CDCLP

Part Number	Part Description	Fastener Size	Std. Pkg. Qty.	Std. Ctn. Qty.
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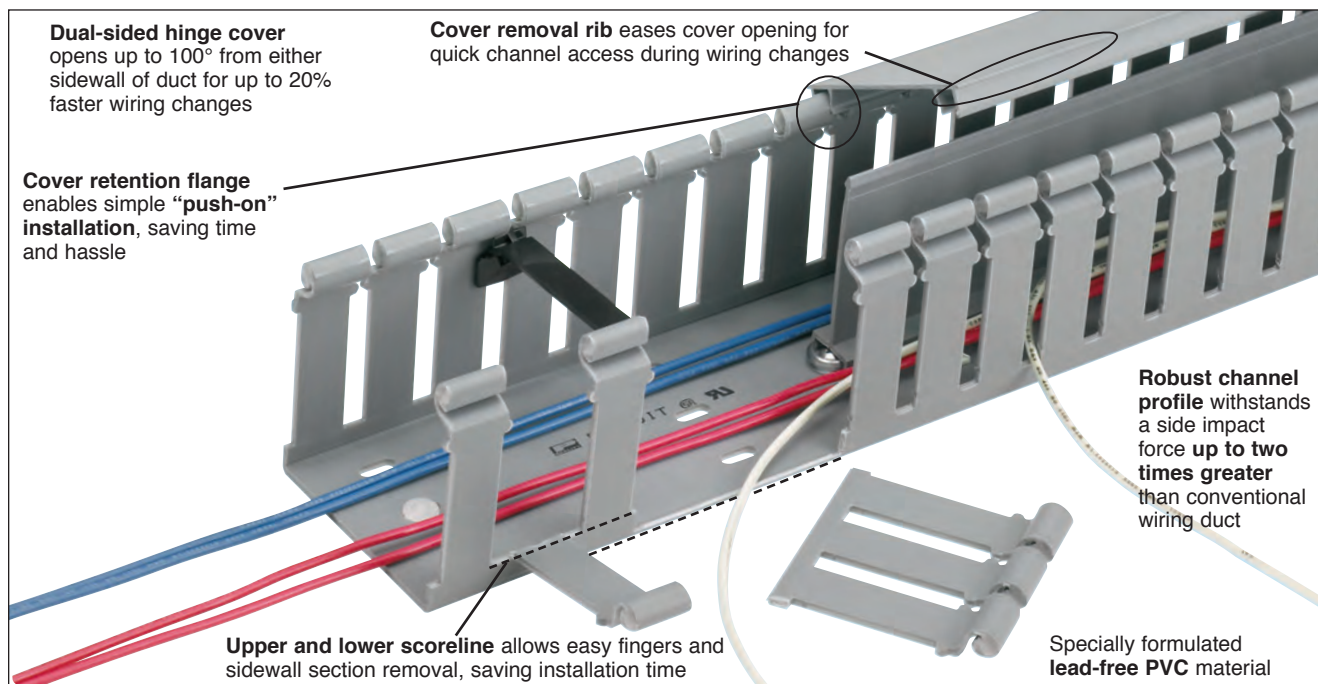
Quick Mount Clips

CDLB3	L-bracket with quick mounting clip for installing CWD3 to back panel only.	#10-32 x 1/4 (user supplied)	16	—
CDLB4	L-bracket with quick mounting clip for installing CWD4 to back panel only.			
CDCLP2	Quick mounting clip for installing CWD2 corner wiring duct.			
CDCLP3	Quick mounting clip for installing CWD3 corner wiring duct.			
CDCLP4	Quick mounting clip for installing CWD4 corner wiring duct.			

4 brackets are needed for each 6' of corner wiring duct
For tool information refer to www.panduit.com/tools.

Features and Benefits – Panduct® Type H and HN Hinged Cover Wiring Duct

Available in eight sizes from 1.5" x 2" up to 4" x 4" in light gray, black, and white colors.

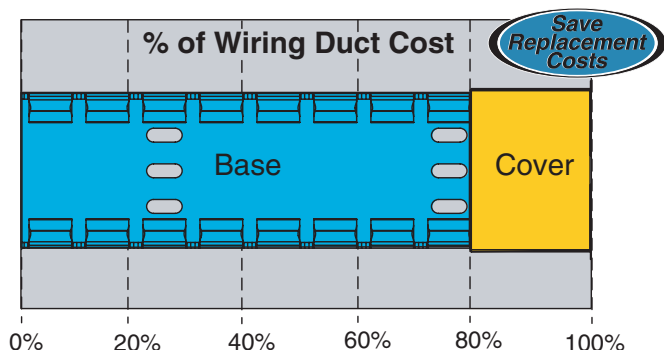


Labor Savings

- By avoiding the time and hassle in removing and replacing covers, simple wiring changes can be made up to **20% faster** compared to conventional wiring duct installations*

Avoid Cover Replacement Costs

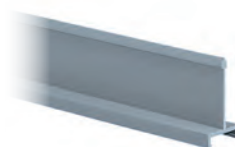
- Covers represent 20% of the cost of the wiring duct purchase
- Misplaced covers are a common occurrence after years of use
- Not needing to remove covers during maintenance ensures **better aesthetics and safety** and **avoids the cost to replace lost covers**



Panduct® Wire Retainers

Contain wiring when duct cover is opened. Wire retainers snap easily between duct fingers.

(see page C1.31)



Panduct® Divider Wall

Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.

(see page C1.30)

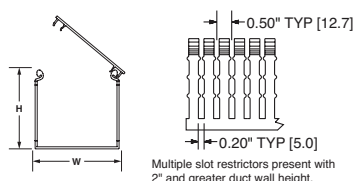
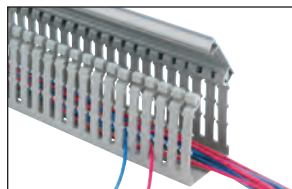
*Based on mock panel installations of type H hinged cover wiring duct and other commonly available wiring ducts adding a single component with four wires.

Order number of pieces required, in multiples of Standard Package Quantity.

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

Panduct® Type HN Hinged Cover Narrow Slot Wiring Duct

- Narrow slot/finger design provides excellent wire management with smaller wire diameters and high-density components such as terminal blocks, input/output devices, and other hardware
- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL 94 flammability rating of V-0
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material
- Provided with mounting holes
- Base and cover length is 6 feet



Base Part Number	Duct Size W x H*		Slot Width		Cover Part Number	Std. Pkg. Qty.	Base Ctn. Qty.	Cover Ctn. Qty.
	In.	mm	In.	mm				
HN1.5X2LG6	1.75 x 1.98	44.5 x 50.3	0.20	5.0	HC1.5LG6	6	120	120
HN1.5X3LG6	1.75 x 3.06	44.5 x 77.7	0.20	5.0	HC1.5LG6			
HN2X2LG6	2.17 x 1.98	55.1 x 50.3	0.20	5.0	HC2LG6	6	60	120
HN2X3LG6	2.17 x 3.06	55.1 x 77.7	0.20	5.0	HC2LG6			
HN2X4LG6	2.17 x 4.10	55.1 x 104.1	0.20	5.0	HC2LG6			
HN3X3LG6	3.25 x 3.06	82.6 x 77.7	0.20	5.0	HC3LG6			
HN3X4LG6	3.25 x 4.10	82.6 x 104.1	0.20	5.0	HC3LG6	6	60	60
HN4X4LG6	4.25 x 4.10	108.0 x 104.1	0.20	5.0	HC4LG6			

Part Number shown for LG (Light Gray). Available in WH (White).

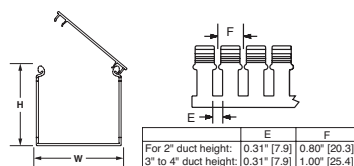
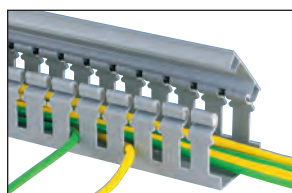
Base and cover sold separately.

**"H" dimension includes duct and cover.

For tool information refer to www.panduit.com/tools.

Panduct® Type H Hinged Cover Wide Slot Wiring Duct

- Wide slot/finger design provides excellent wire management in general purpose applications and is compatible with a wide range of wire sizes and component types
- Material: Lead-free PVC
- Rated for continuous use temperature: 122°F (50°C)
- UL 94 flammability rating of V-0
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material
- Provided with standard mounting holes
- Base and cover length is 6 feet



Base Part Number	Duct Size W x H*		Slot Width		Cover Part Number	Std. Pkg. Qty.	Base Ctn. Qty.	Cover Ctn. Qty.
	In.	mm	In.	mm				
H1.5X2LG6	1.75 x 1.98	44.5 x 50.3	0.31	7.9	HC1.5LG6	6	120	120
H1.5X3LG6	1.75 x 3.06	44.5 x 77.7	0.31	7.9	HC1.5LG6			
H2X2LG6	2.17 x 1.98	55.1 x 50.3	0.31	7.9	HC2LG6	6	60	120
H2X3LG6	2.17 x 3.06	55.1 x 77.7	0.31	7.9	HC2LG6			
H2X4LG6	2.17 x 4.10	55.1 x 104.1	0.31	7.9	HC2LG6			
H3X3LG6	3.25 x 3.06	82.6 x 77.7	0.31	7.9	HC3LG6			
H3X4LG6	3.25 x 4.10	82.6 x 104.1	0.31	7.9	HC3LG6	6	60	60
H4X4LG6	4.25 x 4.10	108.0 x 104.1	0.31	7.9	HC4LG6			

Part Number shown for LG (Light Gray). Available in BL (Black) and WH (White).

Base and cover sold separately.

**"H" dimension includes duct and cover.

For tool information refer to www.panduit.com/tools.

B1

Panduct® Type HS Hinged Cover Solid Wall Wiring Duct

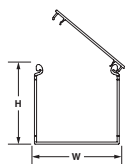
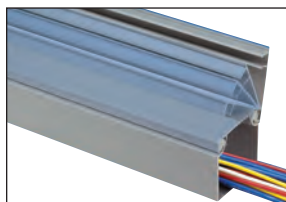
B2

- Solid wall wiring duct conceals and protects wiring in continuous runs such as in low-voltage cord management applications between control panel stations in conveyor systems

B3

- Material: Lead-free PVC
- UL recognized continuous use temperature: 122°F (50°C)

- UL 94 flammability rating of V-0
- Supplied without mounting holes
- Base and cover length is 6 feet
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material



C1

C2

C3

C4

Base Part Number	Duct Size W x H*		Cover Part Number	Std. Pkg. Qty.	Base Ctn. Qty.	Cover Ctn. Qty.
	In.	mm				
HS1.5X2LG6NM	1.75 x 1.98	44.5 x 50.3	HC1.5LG6	6	120	120
HS1.5X3LG6NM	1.75 x 3.06	44.5 x 77.7	HC1.5LG6			60
HS2X2LG6NM	2.17 x 1.98	55.1 x 50.3	HC2LG6			120
HS2X3LG6NM	2.17 x 3.06	55.1 x 77.7	HC2LG6	6	60	120
HS2X4LG6NM	2.17 x 4.10	55.1 x 104.1	HC2LG6			
HS3X3LG6NM	3.25 x 3.06	82.6 x 77.7	HC3LG6			
HS3X4LG6NM	3.25 x 4.10	82.6 x 104.1	HC3LG6	6	60	60
HS4X4LG6NM	4.25 x 4.10	108.0 x 104.1	HC4LG6			

Part Number shown for LG (Light Gray). For BL (Black) and WH (White) colors see color selection guide, page C1.50.

Base and cover sold separately.

*"H" dimension includes duct and cover.

For tool information refer to www.panduit.com/tools.

D1

D2

D3

E1

E2

E3

E4

E5

F

G

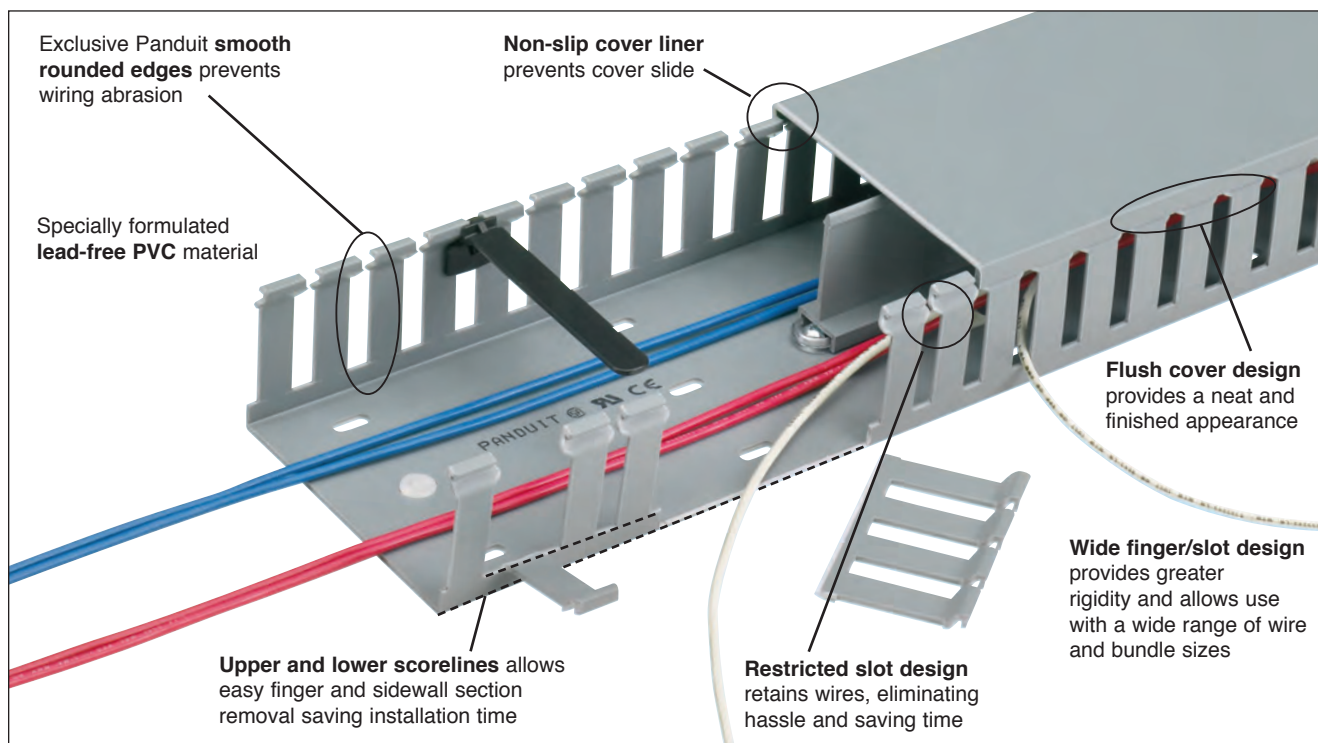
H

Notes

A
B1
B2
B3
C1
C2
C3
C4
D1
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Features and Benefits – Panduct® Type G Wide Slot Wiring Duct

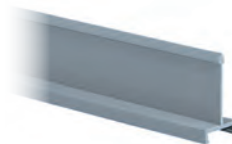
Available in 35 sizes from 0.5" x 0.5" up to 6" x 4" in a variety of colors.



Panduct® Wire Retainers

Contain wiring when duct cover is opened. Wire retainers snap easily between duct fingers.

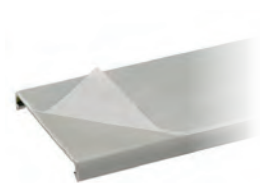
(see page C1.31)



Panduct® Divider Wall

Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.

(see page C1.30)



Panduct® Type C Cover with Protective Film

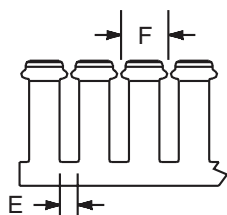
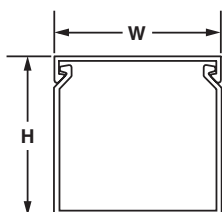
Reduces scrap and labor costs by protecting the surface during storage, handling, and installation.

(see page C1.15)

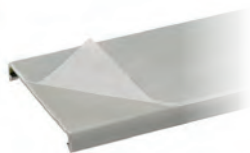


Panduit® Type G Wide Slot Wiring Duct

- Wide slot/finger design provides greater sidewall rigidity and can be used with a wide range of wire bundle sizes
- Material: Lead-free PVC
- UL recognized continuous use temperature: 122°F (50°C)
- UL 94 flammability rating of V-0
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material
- Provided with mounting holes
- Base and cover length is 6 feet



	E	F
For 0.5" duct height:	0.37" [9.4]	0.80" [20.3]
0.75" to 2" duct height:	0.31" [7.9]	0.80" [20.3]
3" to 4" duct height:	0.31" [7.9]	1.00" [25.4]
5" duct height:	0.38" [9.4]	1.33" [33.8]



To order cover with protective film add "-F" to part number. 6" cover not available with film.

Base Part Number	Duct Size W x H*		Slot Width		Cover Part Number	Std. Pkg. Qty.	Base Ctn. Qty.	Cover Ctn. Qty.
	In.	mm	In.	mm				
G.5X.5LG6	0.69 x 0.60	17.5 x 15.2	0.38	9.7	C.5LG6	6	120	120
G.5X1LG6	0.69 x 1.06	17.5 x 26.9	0.31	7.9	C.5LG6			
G.5X2LG6	0.69 x 2.03	17.5 x 51.6	0.31	7.9	C.5LG6			
G.5X4LG6	0.69 x 4.10	17.5 x 104.1	0.31	7.9	C.5LG6			
G.75X.75LG6	0.92 x 0.82	23.6 x 20.8	0.31	7.9	C.75LG6			
G.75X1LG6	0.92 x 1.06	23.6 x 26.9	0.31	7.9	C.75LG6			
G.75X1.5LG6	0.92 x 1.57	23.6 x 39.9	0.31	7.9	C.75LG6			
G.75X2LG6	0.94 x 2.03	23.6 x 51.7	0.31	7.9	C.75LG6			
G1X1LG6	1.25 x 1.12	32.0 x 28.4	0.31	7.9	C1LG6			
G1X1.5LG6	1.25 x 1.62	32.0 x 41.1	0.31	7.9	C1LG6			
G1X2LG6	1.25 x 2.12	32.0 x 53.8	0.31	7.9	C1LG6			
G1X3LG6	1.25 x 3.12	32.0 x 79.2	0.31	7.9	C1LG6			
G1X4LG6	1.25 x 4.10	32.0 x 104.1	0.31	7.9	C1LG6	6	60	120
G1.5X1LG6	1.75 x 1.12	44.5 x 28.4	0.31	7.9	C1.5LG6	6	120	120
G1.5X1.5LG6	1.75 x 1.62	44.5 x 41.1	0.31	7.9	C1.5LG6			
G1.5X2LG6	1.75 x 2.12	44.5 x 53.8	0.31	7.9	C1.5LG6			
G1.5X3LG6	1.75 x 3.12	44.5 x 79.2	0.31	7.9	C1.5LG6			
G1.5X4LG6	1.74 x 4.10	44.5 x 104.1	0.31	7.9	C1.5LG6	6	60	120
G2X1LG6	2.25 x 1.12	57.2 x 28.4	0.31	7.9	C2LG6	6	120	120
G2X1.5LG6	2.25 x 1.62	57.2 x 41.1	0.31	7.9	C2LG6			
G2X2LG6	2.25 x 2.12	57.2 x 53.8	0.31	7.9	C2LG6	6	60	120
G2X3LG6	2.25 x 3.12	57.2 x 79.2	0.31	7.9	C2LG6			
G2X4LG6	2.25 x 4.10	57.2 x 104.1	0.31	7.9	C2LG6			
G2X5LG6	2.25 x 5.10	57.2 x 129.5	0.38	9.7	C2LG6	6	120	120
G2.5X3LG6	2.75 x 3.12	69.9 x 79.2	0.31	7.9	C2.5LG6			
G3X1LG6	3.25 x 1.12	82.6 x 28.4	0.31	7.9	C3LG6			
G3X2LG6	3.25 x 2.12	82.6 x 53.8	0.31	7.9	C3LG6	6	60	120
G3X3LG6	3.25 x 3.12	82.6 x 79.2	0.31	7.9	C3LG6			
G3X4LG6	3.25 x 4.10	82.6 x 104.1	0.31	7.9	C3LG6			
G3X5LG6	3.25 x 5.10	82.6 x 129.5	0.38	9.7	C3LG6	6	120	120
G4X1.5LG6	4.25 x 1.62	108.0 x 41.1	0.31	7.9	C4LG6			
G4X2LG6	4.25 x 2.12	108.0 x 53.8	0.31	7.9	C4LG6			
G4X3LG6	4.25 x 3.12	108.0 x 79.2	0.31	7.9	C4LG6	6	60	120
G4X4LG6	4.25 x 4.10	108.0 x 104.1	0.31	7.9	C4LG6			
G4X5LG6	4.25 x 5.10	108.0 x 129.5	0.38	9.7	C4LG6			
G6X4LG6	6.23 x 4.15	158.8 x 105.4	0.31	7.9	C6LG6			

Part number shown for LG (Light Gray). For other color availability see color selection guide, page C1.50.

Base and cover sold separately.

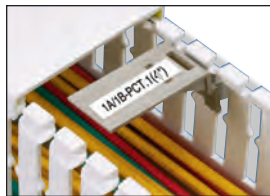
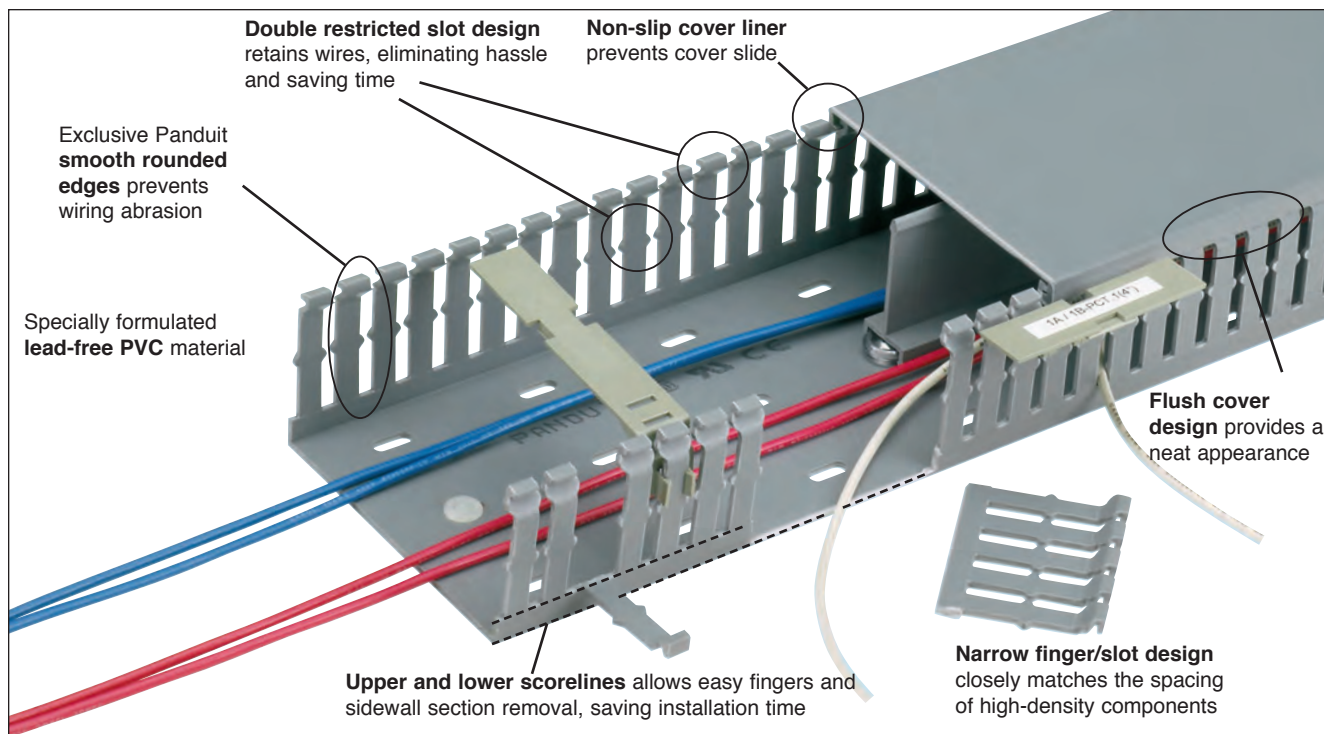
**H" dimension includes duct and cover.

Some sizes and colors are available with adhesive tape. See page C1.36 for availability.

For tool information refer to www.panduit.com/tools.

Features and Benefits – Panduct® Type F Narrow Slot Wiring Duct

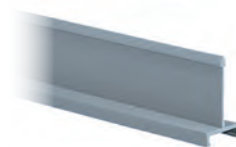
Available in 31 sizes from 0.5" x 0.5" up to 6" x 4" in a variety of colors.



Panduct® Wire Retainers for Type F Wiring Duct

Contain wiring when duct cover is opened. Wire retainers snap easily between duct fingers.

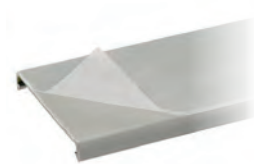
(see page C1.32)



Panduct® Divider Wall

Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.

(see page C1.30)



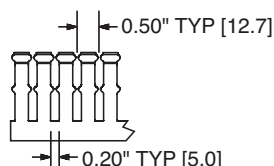
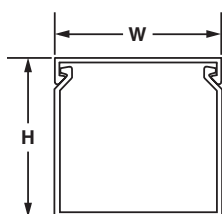
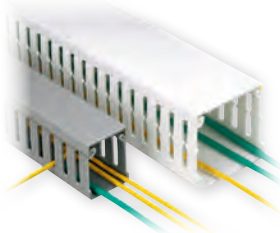
Panduct® Type C Cover with Protective Film

Reduces scrap and labor costs by protecting the surface during storage, handling, and installation.

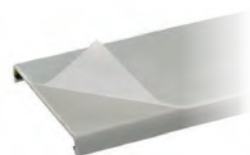
(see page C1.17)

Panduct® Type F Narrow Slot Wiring Duct

- Narrow slot/finger design provides more slots to fit the spacing of high-density terminal blocks and other hardware
- Material: Lead-free PVC
- UL recognized continuous use temperature: 122°F (50°C)
- UL 94 flammability rating of V-0
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material
- Provided with mounting holes
- Base and cover length is 6 feet



Multiple slot restrictors present with 2" and greater duct wall height.



To order cover with protective film add "-F" to part number. 6" cover not available with film.

Part Number	Duct Size (W x H)*		Slot Width		Cover Part Number	Std. Pkg. Qty.	Base Ctn. Qty.	Cover Ctn. Qty.
	In.	mm	In.	mm				
F.5X.5LG6	0.69 x 0.60	17.5 x 15.2	0.20	5.0	C.5LG6	6	120	120
F.5X1LG6	0.69 x 1.06	17.5 x 26.9	0.20	5.0	C.5LG6			
F.75X.75LG6	0.94 x 0.82	23.6 x 20.9	0.20	5.0	C.75LG6			
F.75X1.5LG6	0.94 x 1.57	23.6 x 39.9	0.20	5.0	C.75LG6			
F1X1LG6	1.25 x 1.13	32.0 x 28.7	0.20	5.0	C1LG6			
F1X1.5LG6	1.25 x 1.62	32.0 x 41.1	0.20	5.0	C1LG6			
F1X2LG6	1.25 x 2.12	32.0 x 53.8	0.20	5.0	C1LG6			
F1X3LG6	1.25 x 3.13	32.0 x 79.4	0.20	5.0	C1LG6			
F1X4LG6	1.25 x 4.10	32.0 x 104.1	0.20	5.0	C1LG6	6	60	120
F1.5X1LG6	1.75 x 1.12	44.5 x 28.4	0.20	5.0	C1.5LG6	6	120	120
F1.5X1.5LG6	1.75 x 1.62	44.5 x 41.1	0.20	5.0	C1.5LG6			
F1.5X2LG6	1.75 x 2.12	44.5 x 53.8	0.20	5.0	C1.5LG6			
F1.5X3LG6	1.75 x 3.12	44.5 x 79.2	0.20	5.0	C1.5LG6			
F1.5X4LG6	1.75 x 4.10	44.5 x 104.1	0.20	5.0	C1.5LG6	6	60	120
F2X1LG6	2.25 x 1.12	57.2 x 28.4	0.20	5.0	C2LG6	6	120	120
F2X1.5LG6	2.25 x 1.62	57.2 x 41.1	0.20	5.0	C2LG6			
F2X2LG6	2.25 x 2.12	57.2 x 53.8	0.20	5.0	C2LG6			
F2X3LG6	2.25 x 3.14	57.2 x 79.8	0.20	5.0	C2LG6			
F2X4LG6	2.25 x 4.10	57.2 x 104.1	0.20	5.0	C2LG6	6	60	120
F2X5LG6	2.25 x 5.10	57.2 x 129.5	0.20	5.0	C2LG6	6	120	120
F2.5X3LG6	2.75 x 3.12	69.9 x 79.2	0.20	5.0	C2.5LG6			
F3X1LG6	3.25 x 1.12	82.6 x 28.4	0.20	5.0	C3LG6			
F3X2LG6	3.25 x 2.12	82.6 x 53.8	0.20	5.0	C3LG6			
F3X3LG6	3.25 x 3.13	82.6 x 78.7	0.20	5.0	C3LG6	6	60	120
F3X4LG6	3.25 x 4.10	82.6 x 104.1	0.20	5.0	C3LG6			
F3X5LG6	3.25 x 5.10	82.6 x 129.5	0.20	5.0	C3LG6			
F4X2LG6	4.25 x 2.12	108.0 x 53.8	0.20	5.0	C4LG6			
F4X3LG6	4.25 x 3.12	108.0 x 79.2	0.20	5.0	C4LG6			
F4X4LG6	4.25 x 4.10	108.0 x 104.1	0.20	5.0	C4LG6			
F4X5LG6	4.25 x 5.10	108.0 x 129.5	0.20	5.0	C4LG6			
F6X4LG6	6.25 x 4.15	158.8 x 105.4	0.20	5.0	C6LG6			

Part number shown for LG (Light Gray). For other color availability see color selection guide, page C1.50.

Base and cover sold separately.

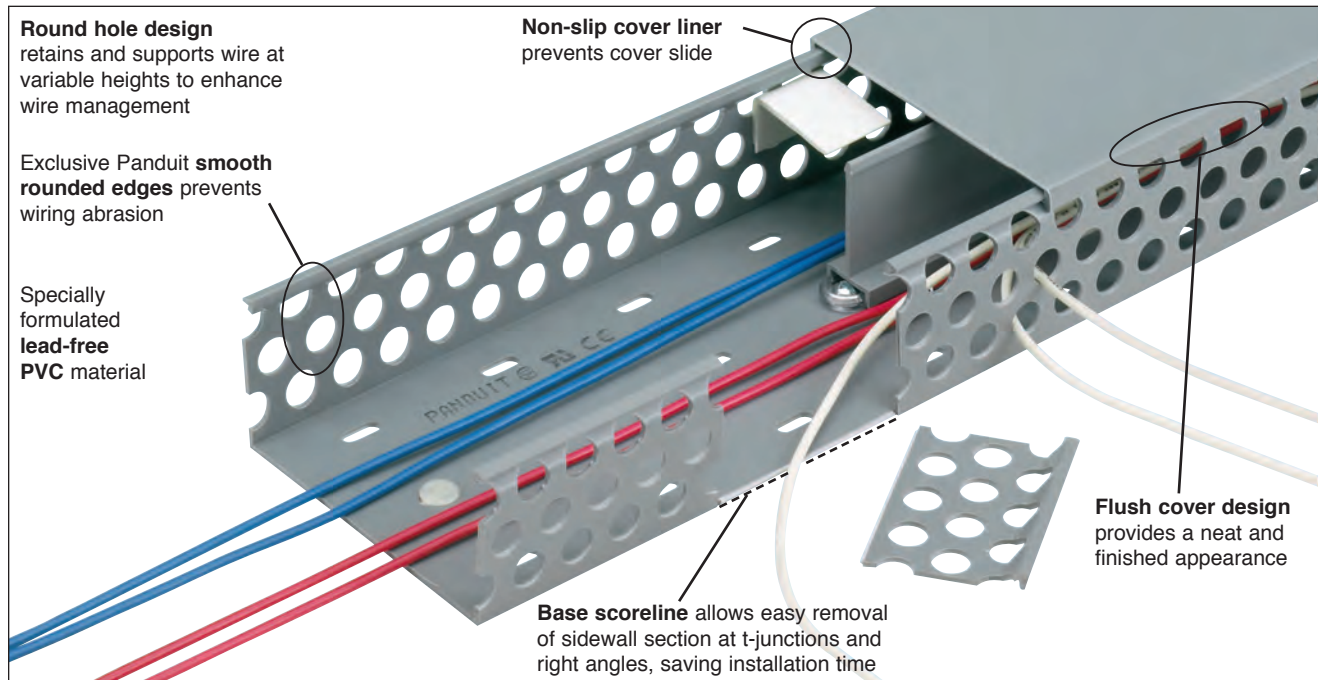
*"H" dimension includes duct and cover.

Some sizes and colors are available with adhesive tape. See page C1.36 for availability.

For tool information refer to www.panduit.com/tools.

Features and Benefits – Panduct® Flush Cover Type D Round Hole Wiring Duct

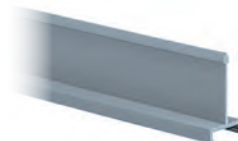
Available in sixteen sizes from 1" x 2" up to 4" x 4" in a variety of colors.



Panduct® Wire Retainers for Type D Wiring Duct

Contain wiring when duct cover is opened. Wire retainers mount onto walls with pressure sensitive adhesive.

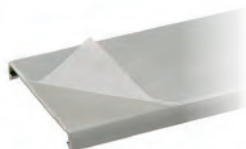
(see page C1.31)



Panduct® Divider Wall

Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.

(see page C1.30)



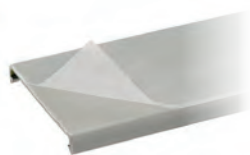
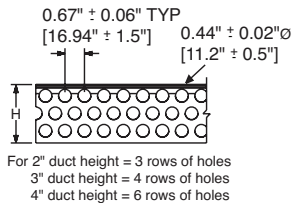
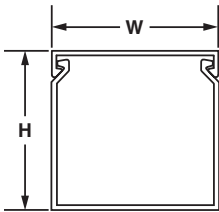
Panduct® Type C Cover with Protective Film

Reduces scrap and labor costs by protecting the surface during storage, handling, and installation.

(see page C1.19)

Panduct® Flush Cover Type D Round Hole Wiring Duct

- Round hole design has multiple rows of holes to retain and support wire at variable heights and positions
- Material: Lead-free PVC
- UL recognized continuous use temperature: 122°F (50°C)
- UL 94 flammability rating of V-0
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material
- Provided with mounting holes
- Base and cover length is 6 feet



To order cover with protective film add "-F" to part number. 6" cover not available with film.

Part Number	Duct Size (W x H)*		Cover Part Number	Std. Pkg. Qty.	Base Ctn. Qty.	Cover Ctn. Qty.
	In.	mm				
D1X2LG6	1.25 x 2.12	32.0 x 53.8	C1LG6	6	120	120
D1X3LG6	1.25 x 3.12	32.0 x 79.2	C1LG6			
D1X4LG6	1.25 x 4.10	32.0 x 104.1	C1LG6			
D1.5X2LG6	1.75 x 2.12	44.5 x 53.8	C1.5LG6			
D1.5X3LG6	1.75 x 3.12	44.5 x 79.2	C1.5LG6			
D1.5X4LG6	1.75 x 4.10	44.5 x 104.1	C1.5LG6	6	60	120
D2X2LG6	2.25 x 2.14	57.2 x 54.3	C2LG6	6	120	120
D2X3LG6	2.25 x 3.12	57.2 x 79.2	C2LG6	6	60	120
D2X4LG6	2.25 x 4.10	57.2 x 104.1	C2LG6			
D2.5X3LG6	2.75 x 3.12	69.9 x 79.2	C2.5LG6	6	120	120
D3X2LG6	3.25 x 2.12	82.6 x 53.8	C3LG6	6	60	120
D3X3LG6	3.25 x 3.12	82.6 x 79.2	C3LG6			
D3X4LG6	3.25 x 4.10	82.6 x 104.1	C3LG6			
D4X2LG6	4.25 x 2.12	108.0 x 53.8	C4LG6			
D4X3LG6	4.25 x 3.12	108.0 x 79.2	C4LG6			
D4X4LG6	4.25 x 4.10	108.0 x 104.1	C4LG6			

Part number shown for LG (Light Gray). For other color availability see color selection guide, page C1.50.

Base and cover sold separately.

**"H" dimension includes duct and cover.

For tool information refer to www.panduit.com/tools.

B1

B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

E5

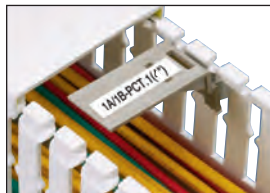
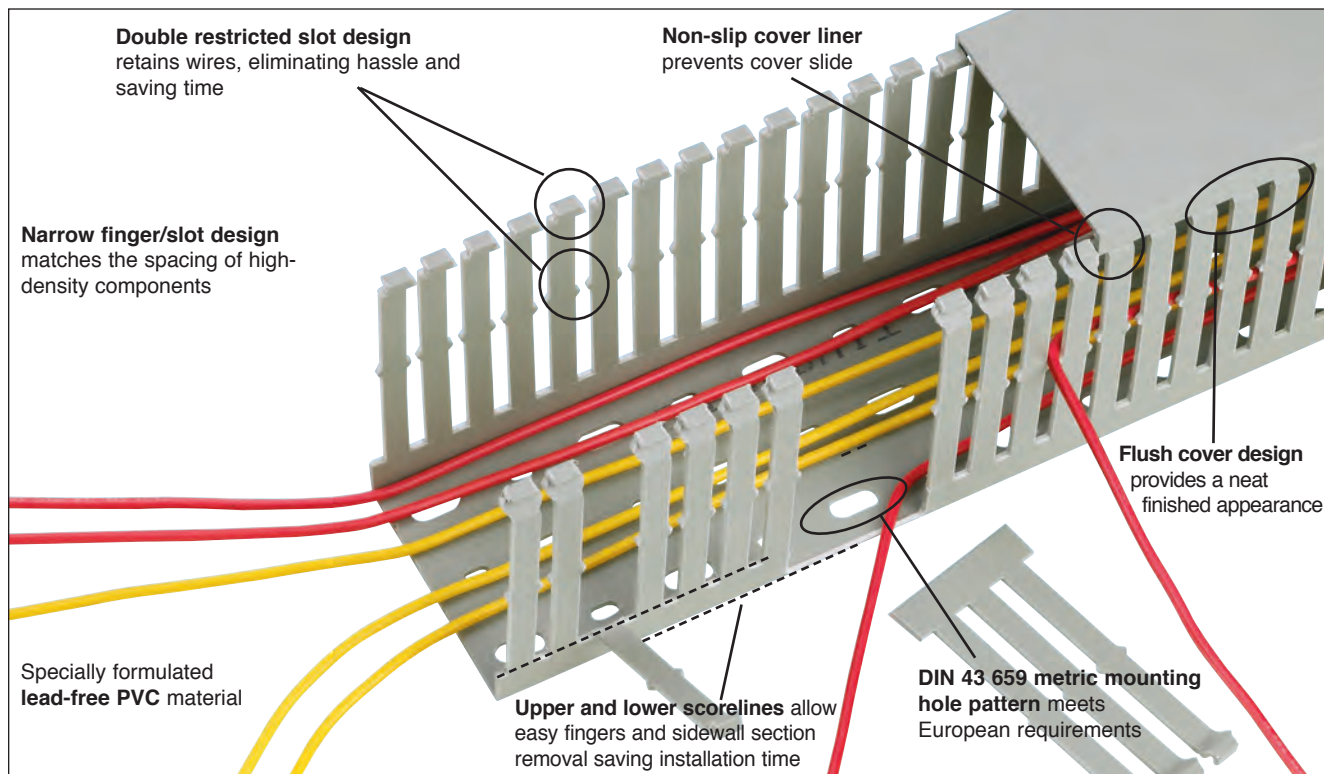
F

G

H

Features and Benefits – Panduct® Type MC Metric Narrow Slot Wiring Duct

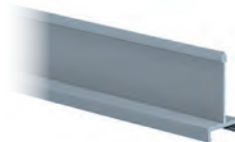
Available in 20 sizes from 25mm x 25mm up to 100mm x 100mm in international gray and white colors.



Panduct® Wire Retainers for Type MC Wiring Duct

Contain wiring when duct cover is opened. Wire retainers snap easily between duct fingers.

(see page C1.32)



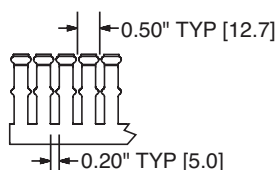
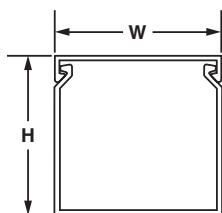
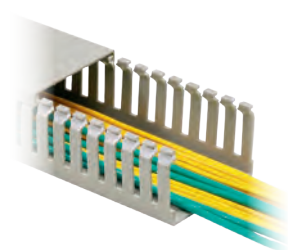
Panduct® Divider Wall

Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.

(see page C1.30)

Panduct® Type MC Metric Narrow Slot Wiring Duct

- CE compliant and metric sizing for control panels intended for European applications
- Material: Lead-free PVC
- UL recognized continuous use temperature: 122°F (50°C)
- UL 94 flammability rating of V-0
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material
- Provided with DIN 43 659 mounting holes
- Duct and cover packaged together in 2m lengths



Multiple slot restrictors present with 62mm and greater duct wall height.

Base and Cover Part Number	Duct Size (W x H)*		Slot Width		Replacement Cover Part Number	Base and Cover Pkg. Qty. (m)	Replacement Cover Std. Pkg. Qty. (m)
	mm	In.	mm	In.			
MC25X25IG2	24.6 x 23.6	0.97 x 0.93	5.0	0.20	C25IG2	20	20
MC25X37IG2	24.6 x 35.8	0.97 x 1.41	5.0	0.20	C25IG2		
MC25X50IG2	24.6 x 47.8	0.97 x 1.88	5.0	0.20	C25IG2		
MC25X62IG2	24.6 x 59.7	0.97 x 2.35	5.0	0.20	C25IG2		
MC25X75IG2	24.6 x 72.4	0.97 x 2.85	5.0	0.20	C25IG2		
MC37X37IG2	37.4 x 35.8	1.47 x 1.41	5.0	0.20	C37IG2		
MC37X50IG2	37.1 x 47.8	1.46 x 1.88	5.0	0.20	C37IG2		
MC37X62IG2	37.1 x 59.7	1.46 x 2.35	5.0	0.20	C37IG2		
MC37X75IG2	37.1 x 72.4	1.46 x 2.85	5.0	0.20	C37IG2		
MC50X50IG2	49.5 x 47.8	1.95 x 1.89	5.0	0.20	C50IG2	10	20
MC50X75IG2	49.5 x 72.4	1.95 x 2.85	5.0	0.20	C50IG2		
MC50X100IG2	49.5 x 97.8	1.95 x 3.85	5.0	0.20	C50IG2		
MC62X62IG2	62.0 x 59.7	2.44 x 2.35	5.0	0.20	C62IG2	20	20
MC75X50IG2	74.7 x 48.0	2.94 x 1.89	5.0	0.20	C75IG2		
MC75X62IG2	74.7 x 59.7	2.94 x 2.35	5.0	0.20	C75IG2		
MC75X75IG2	74.7 x 72.4	2.94 x 2.85	5.0	0.20	C75IG2	10	20
MC75X100IG2	74.7 x 97.8	2.94 x 3.85	5.0	0.20	C75IG2		
MC100X50IG2	99.6 x 48.0	3.92 x 1.89	5.0	0.20	C100IG2		
MC100X75IG2	99.6 x 72.4	3.92 x 2.85	5.0	0.20	C100IG2		
MC100X100IG2	99.6 x 97.8	3.92 x 3.85	5.0	0.20	C100IG2		

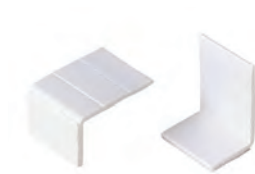
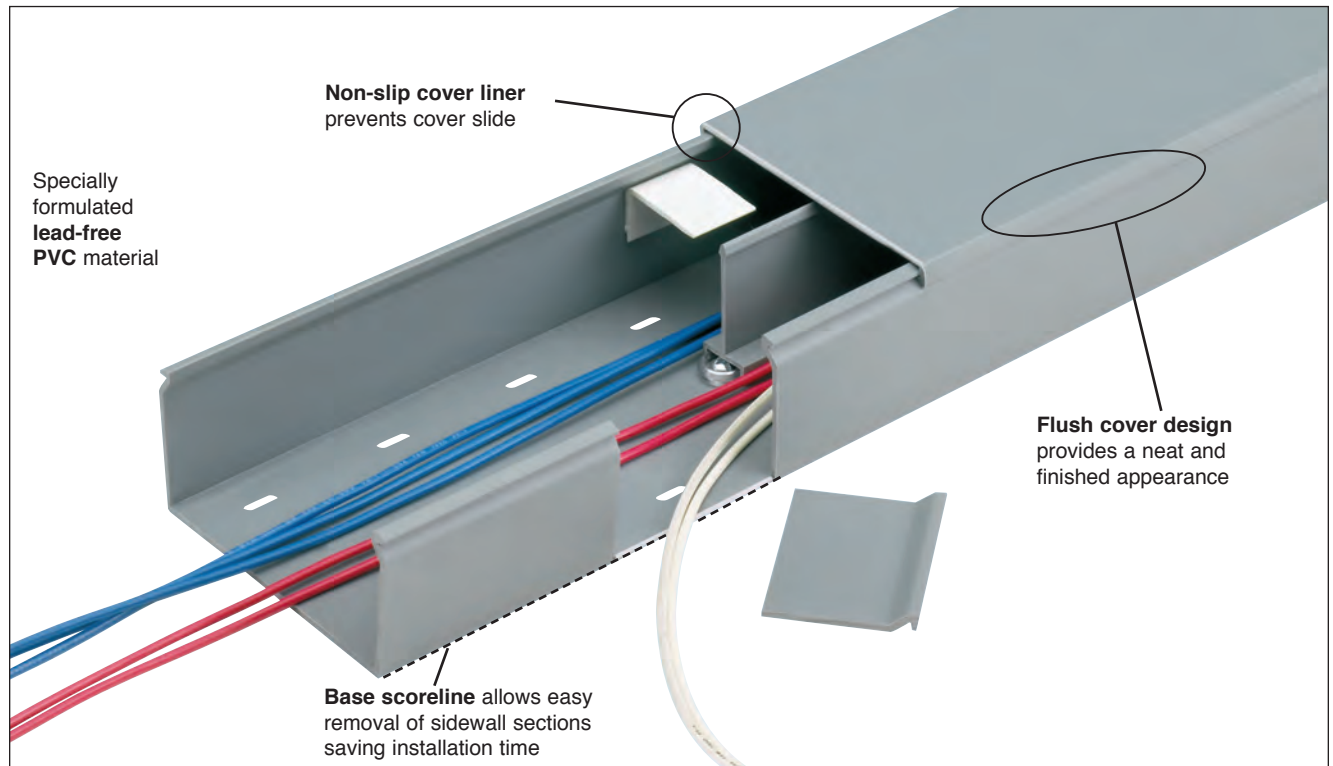
Available in IG (International Gray) and WH (White) colors.
Base and cover sold together.

**"H" dimension includes duct and cover.

For tool information refer to www.panduit.com/tools.

Features and Benefits – Panduct® Type FS Solid Wall Wiring Duct

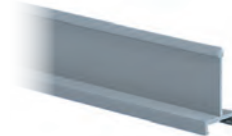
Available in 27 sizes from 0.5" x 0.5" up to 6" x 4" in a variety of colors.



Panduct® Wire Retainers for Type FS Solid Wall Wiring Duct

Contain wiring when duct cover is opened. Wire retainers mount onto walls with pressure sensitive adhesive.

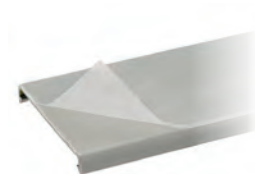
(see page C1.31)



Panduct® Divider Wall

Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.

(see page C1.30)



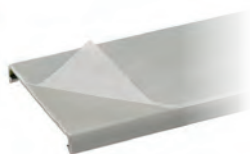
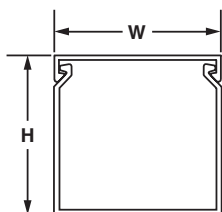
Panduct® Type C Cover with Protective Film

Reduces scrap and labor costs by protecting the surface during storage, handling, and installation.

(see page C1.23)

Panduct® Type FS Solid Wall Wiring Duct

- Solid wall design fully encloses cables providing maximum protection and aesthetics
- Material: Lead-free PVC
- UL recognized continuous use temperature: 122°F (50°C)
- UL 94 flammability rating of V-0
- Base and cover length is 6 feet
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material



To order cover with protective film add "-F" to part number. 6" cover not available with film.

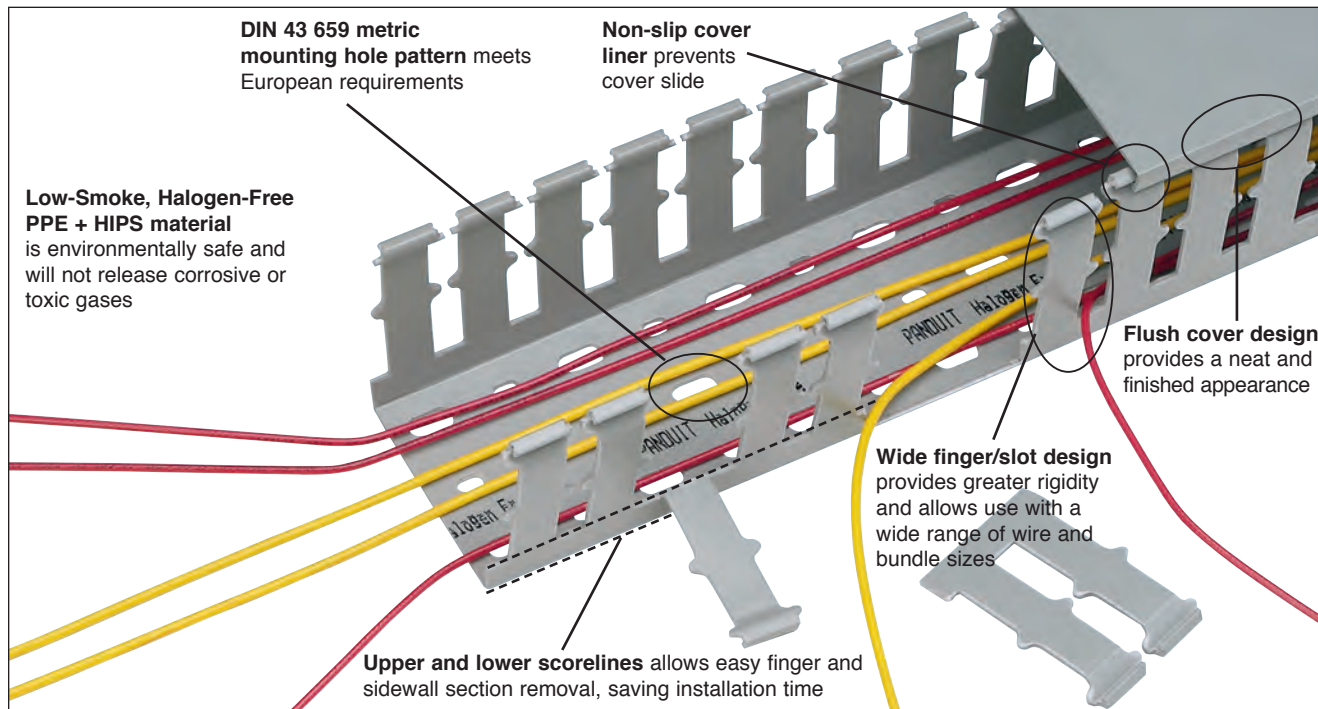
	Base Part Number	Duct Size (W x H)*		Cover Part Number	Std. Pkg. Qty.	Base Ctn. Qty.	Cover Ctn. Qty.
		In.	mm				
>	FS.5X.5LG6NM	0.69 x 0.60	17.5 x 15.2	C.5LG6	6	120	120
>	FS.5X1LG6NM	0.69 x 1.06	17.5 x 26.9	C.5LG6			
	FS.75X.75LG6NM	0.93 x 0.82	23.6 x 20.8	C.75LG6			
>	FS1X1LG6NM	1.26 x 1.12	32.0 x 28.4	C1LG6			
>	FS1X1.5LG6NM	1.26 x 1.62	32.0 x 41.1	C1LG6			
	FS1X2LG6NM	1.26 x 2.12	32.0 x 53.8	C1LG6			
	FS1X3LG6NM	1.26 x 3.12	32.0 x 79.2	C1LG6	6	60	120
	FS1X4LG6NM	1.26 x 4.10	32.0 x 104.1	C1LG6			
>	FS1.5X1LG6NM	1.75 x 1.12	44.5 x 28.4	C1.5LG6			
>	FS1.5X1.5LG6NM	1.75 x 1.62	44.5 x 41.1	C1.5LG6			
>	FS1.5X2LG6NM	1.75 x 2.12	44.5 x 53.8	C1.5LG6			
>	FS1.5X3LG6NM	1.75 x 3.12	44.5 x 79.2	C1.5LG6	6	120	120
>	FS2X1LG6NM	2.25 x 1.14	57.2 x 29.0	C2LG6			
>	FS2X1.5LG6NM	2.25 x 1.64	57.2 x 41.7	C2LG6			
>	FS2X2LG6NM	2.25 x 2.14	57.2 x 54.4	C2LG6			
>	FS2X3LG6NM	2.25 x 3.14	57.2 x 79.8	C2LG6			
>	FS2X4LG6NM	2.25 x 4.12	57.2 x 104.6	C2LG6	6	60	120
>	FS3X1LG6NM	3.25 x 1.12	82.6 x 28.4	C3LG6			
>	FS3X2LG6NM	3.25 x 2.12	82.6 x 53.8	C3LG6			
>	FS3X3LG6NM	3.25 x 3.12	82.6 x 79.2	C3LG6			
	FS3X4LG6NM	3.25 x 4.10	82.6 x 104.1	C3LG6			
	FS3X5LG6NM	3.25 x 5.10	82.6 x 129.5	C3LG6			
>	FS4X1.5LG6	4.25 x 1.62	108.0 x 41.1	C4LG6	6	120	120
>	FS4X2LG6NM	4.25 x 2.12	108.0 x 53.8	C4LG6			
>	FS4X3LG6NM	4.25 x 3.12	108.0 x 79.2	C4LG6			
>	FS4X4LG6NM	4.25 x 4.10	108.0 x 104.1	C4LG6			
>	FS4X5LG6NM	4.25 x 5.10	108.0 x 129.5	C4LG6			
>	FS6X4LG6NM	6.25 x 4.15	158.8 x 105.4	C6LG6			

>Parts are available with mounting holes. To order with mounting holes, remove NM from part number. Part Number shown for LG (Light Gray). For other color availability see Color Selection Guide, page C1.50. Base and cover sold separately.
 **"H" dimension includes duct and cover.
 Some sizes and colors are available with adhesive tape. See page C1.36 for availability.
 For tool information refer to www.panduit.com/tools.

Wiring Duct for Special Environments including Mass Transit

Features and Benefits - Panduct Type TNC Low-Smoke, Halogen-Free Metric Wiring Duct

Available in eight sizes from 25mm x 37mm up to 100mm x 75mm in light gray.



Panduct® Type TNC Low-smoke, Halogen-free Solid Divider Wall



Create separate channels within the wiring duct base.

(see page C1.25)

TNC Wiring Duct Material (PPE+HIPS)

Properties	General	Test Method
Specific Gravity	1.11 g/cc	ASTM D 792
Heat Deflection Temperature @264 psi	105°C 221°F	ASTM D 648
Flame/Smoke/Toxicity		
Smoke Density (Flaming) @ 1.5 and 4 min.	Ds @ 1.5 min = 16 Ds @ 4.0 min = 66	ASTM E 662
Flammability Class	V-0	UL94
Flame Spread Index	Is =15	ASTM E 162
Total Heat Release	66.21 MJ/m ²	ASTM E1354
Low Toxicity	Yes	BSS 7239
Mechanical		
Tensile Strength at Yield	8,100 psi	ASTM D 638
Tensile Modulus	355,000 psi	ASTM D 638
Flexural Strength at Yield	11,500 psi	ASTM D 790
Flexural Modulus	340,000 psi	ASTM D 790
Notched Izod Impact Strength @ 23°C (73°F)	3.7 ft-lb/in.	ASTM D 256

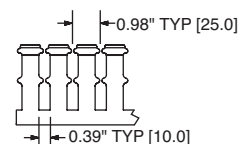
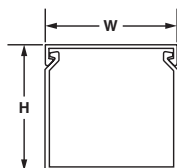
PPE + HIPS (Polyphenylene Ether + High Impact Polystyrene)

Rail Standard Compliance/Ratings

NFPA 130 (U.S. Standard for Fixed Guideway Transit and Passenger Rail Systems)	Pass (Is<35, Ds1.5<100, Ds4<200)	ASTM E 162; ASTM E 662
EN 45545-2 (EU Standard: Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behavior of materials and components)	HL2 – R22 (Interior) HL2 – R23 (Exterior)	EN 45545-2 BS EN ISO 4589-2 NF X 70-100 ISO 5659-2
DIN 5510 (Preventative fire protection in railway vehicles)	Burning class: S-4 Smoke class: SR-2 Dripping class: ST-2	DIN 5510-2; DIN54837
NF F16 101, NF F 16 102 (smoke density, toxicity, glowing filament, oxygen index)	F1/I4	NF X 1-702 NF X 70-100 NF EN 60695-2 NF EN ISO 4589-2
UNIFER Italian Railway Standard	Pass	EN UNI 11925-2 (EN ISO 11925-2)

Panduct® Type TNC Low-Smoke, Halogen-Free Metric Wiring Duct

- Material: Polyphenylen Ether + High Impact Polystyrene (PPE+HIPS)
- Low-Smoke, Halogen-Free is non-toxic, lead-free, and environmentally safe. Will not exhibit a high rate of smoke generation or release toxic, corrosive gases in the event of a fire that could endanger public safety or damage sensitive electronics in enclosed environments (passenger rail, oil and gas platforms)
- UL recognized continuous use temperature: 221°F (105°C)
- UL 94 flammability rating of V-0
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material
- Meets NFPA 130 and FRA requirements for surface flammability and smoke density.
- Meets a Hazard Level Classification of HL2 per European Standard EN 45545-2 for R22 (Interior).
- Meets a Hazard Level Classification of HL2 per European Standard EN 45545-2 for R23 (Exterior).
- Other Rail Standard Compliances (see page C1.53 for details):
 - DIN 5510-2
 - BSS 7239
 - AFNOR NF F 16 101 and NF F 16 102
 - UNIFER EN UNI 11925-2 (EN ISO 11925-2)



Multiple slot restrictors present with 75mm and greater duct wall height.

Base and Cover Part Number	Duct Size (W x H)*		Slot Width		Replacement Cover Part Number	Base and Cover Ctn. Qty. (m)	Replacement Cover Ctn. Qty. (m)
	mm	In.	mm	In.			
TNC25X37LG2	24.6 x 35.8	0.97 x 1.41	10.0	0.39	TNC25LG2	20	20
TNC25X75LG2	24.6 x 72.1	0.97 x 2.84	10.0	0.39	TNC25LG2		
TNC37X37LG2	37.1 x 35.5	1.46 x 1.40	10.0	0.39	TNC37LG2		
TNC37X75LG2	37.1 x 72.4	1.46 x 2.85	10.0	0.39	TNC37LG2		
TNC50X50LG2	49.6 x 47.8	1.95 x 1.88	10.0	0.39	TNC50LG2	10	10
TNC75X75LG2	74.6 x 72.8	2.94 x 2.86	10.0	0.39	TNC75LG2		
TNC100X50LG2	99.6 x 47.8	3.92 x 1.88	10.0	0.39	TNC100LG2		
TNC100X75LG2	99.6 x 72.7	3.92 x 2.86	10.0	0.39	TNC100LG2		

Available in LG (Light Gray) only.

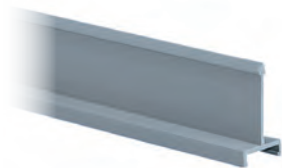
Do not allow cutting, tapping, or cleaning fluids that contain hydrocarbons to come in contact with the Type TNC wiring duct as it will cause stress cracking. See page C1.51 for a list of chemicals to avoid. Also visit Panduit.com for a list of safe and acceptable lubricants and cleaners that can be used.

*"H" dimension includes duct and cover.

For tool information refer to www.panduit.com/tools.

Panduct Type TNC Divider Wall

- TNC solid divider wall can be mounted inside TNC wiring duct to create multiple channels
- Material: Polyphenylen Ether + High Impact Polystyrene (PPE+HIPS)
- Simply install the divider wall base when mounting the duct and snap the divider wall onto mounting base, DB-C



Part Number	Length (m)	For Nominal Duct Height (mm)	Std. Pkg. Qty.	Std. Ctn. Qty.
TNC50D2	2	50	2	40
TNC75D2	2	75		

Available in LG (Light Gray) only.

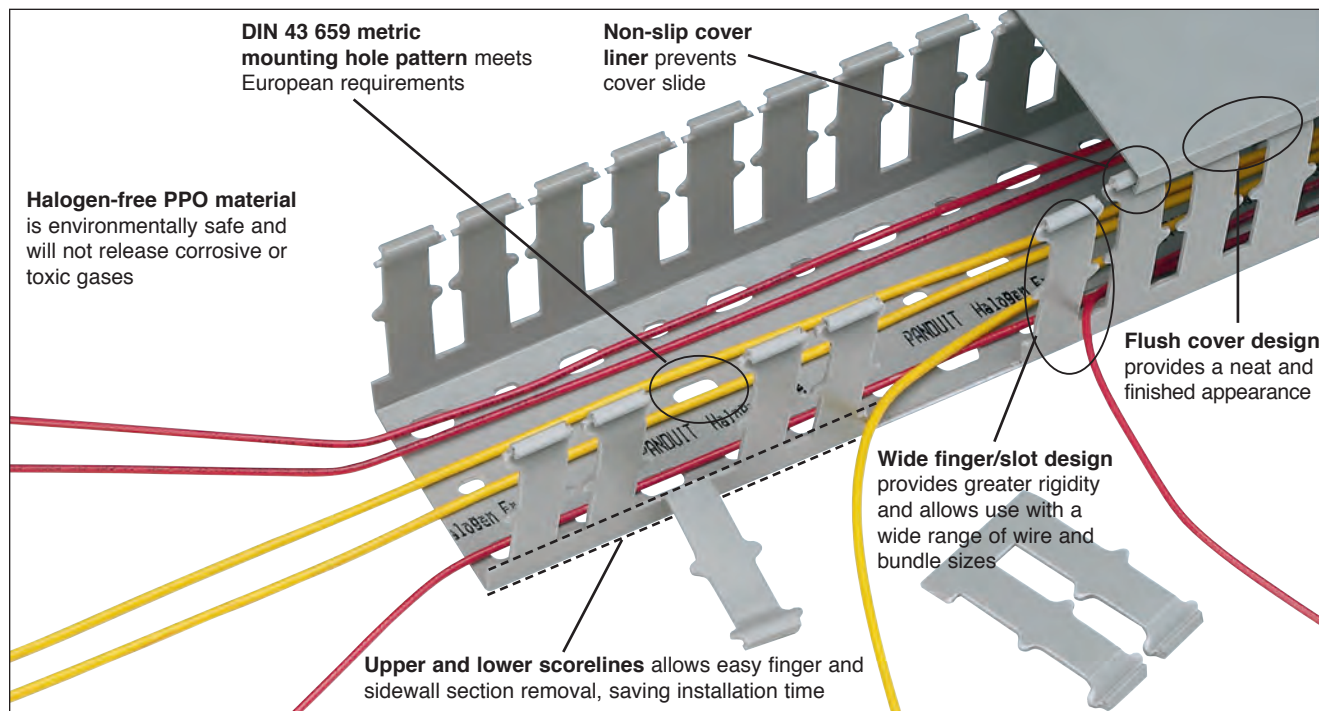
NOTE: Must be used with mounting base DB-C (see page C1.30), which is sold separately. Install mounting bases to the duct channel, locate within 2" of each divider wall end and at least every 12" along the length.

For tool information refer to www.panduit.com/tools.

Wiring Duct for Special Environments

Features and Benefits – Panduct® Type NNC Halogen-Free Metric Wiring Duct

Available in fourteen sizes from 25mm x 25mm up to 100mm x 100mm in light gray and white.



Panduct® Type NNC Halogen-Free Solid Divider Wall

Create separate channels within the wiring duct base.

(see page C1.27)

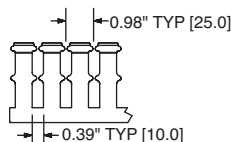
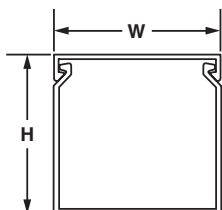
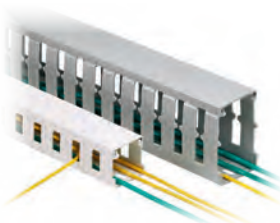
Properties	Halogen-Free PPO Material	Test Method
General		
Specific Gravity	1.09 g/cc	ASTM D 792
Mechanical		
Tensile Strength at Yield	7,700 psi	ASTM D 638
Flexural Strength	11,500 psi	ASTM D 790
Flexural Modulus	340,000 psi	ASTM D 790
Notched Izod Impact @ 23°C (73°F)	5.0 ft. – lbs./In.	ASTM D 256
Heat Deflection Temperature @264 psi	102°C (215°F)	ASTM D 648

Properties	Halogen-Free PPO Material	Test Method
Flammability		
Limited Oxygen Index (LOI)	30	ASTM D 2863
Smoke Density (Flaming) @ 4 min.	534	ASTM E 662
Flammability Class @ 0.060"	V-0	UL94
Halogen Free	Yes	IEC 60754-2
Agency Approvals		
UL Recognized file E147128		
CSA Certified file 016446-0-00		
CE Compliant:		
EN 45545-2; HL1 to R R23 (exterior)		

Note: DO NOT allow cutting, tapping, or cleaning fluids that contain hydrocarbons to come in contact with Type NNC wiring duct. For a list of recommended lubricants to use with Type NNC wiring duct log on to www.panduit.com.

Panduit® Type NNC Halogen-Free Metric Wiring Duct

- Material: Halogen-free polyphenylene oxide (PPO) material as verified with IEC 60754-2 test method (test on gases evolved during combustion of electric cables)
- UL recognized continuous use temperature: 203°F (95°C)
- UL 94 flammability rating of V-0
- Meets a Hazard Level Classification of HL1 per European Standard EN 45545-2 for R23 (exterior).
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material
- Provided with DIN 43 659 mounting holes
- Metric sizing and finger progression
- Duct and cover packaged together in two meter lengths



Multiple slot restrictors present with 75mm and greater duct wall height.

Base and Cover Part Number	Duct Size (W x H)*		Slot Width		Replacement Cover Part Number	Base and Cover Ctn. Qty. (m)	Replacement Cover Ctn. Qty. (m)
	mm	In.	mm	In.			
NNC25X25LG2	24.6 x 23.6	0.97 x 0.93	10.0	0.39	NC25LG2	20	20
NNC25X37LG2	24.6 x 35.8	0.97 x 1.41	10.0	0.39	NC25LG2		
NNC25X50LG2	25.1 x 47.8	0.99 x 1.88	10.0	0.39	NC25LG2		
NNC25X75LG2	24.6 x 72.4	0.97 x 2.85	10.0	0.39	NC25LG2		
NNC37X37LG2	37.1 x 35.8	1.46 x 1.41	10.0	0.39	NC37LG2		
NNC37X50LG2	37.1 x 47.8	1.46 x 1.88	10.0	0.39	NC37LG2		
NNC37X75LG2	37.1 x 72.4	1.46 x 2.85	10.0	0.39	NC37LG2		
NNC50X50LG2	49.5 x 47.8	1.95 x 1.88	10.0	0.39	NC50LG2	10	10
NNC50X75LG2	49.5 x 72.4	1.95 x 2.85	10.0	0.39	NC50LG2		
NNC50X100LG2	49.5 x 97.8	1.95 x 3.85	10.0	0.39	NC50LG2		
NNC75X75LG2	75.4 x 72.4	2.97 x 2.85	10.0	0.39	NC75LG2		
NNC100X50LG2	99.6 x 47.8	3.92 x 1.88	10.0	0.39	NC100LG2		
NNC100X75LG2	99.6 x 72.4	3.92 x 2.85	10.0	0.39	NC100LG2		
NNC100X100LG2	99.6 x 97.8	3.92 x 3.85	10.0	0.39	NC100LG2		

Available in LG (Light Gray) and WH (White).

Do not allow cutting, tapping, or cleaning fluids that contain hydrocarbons to come in contact with type NNC wiring duct as it will cause stress cracking. See page C1.51 for a list of chemicals to avoid.

*"H" dimension includes duct and cover.

For tool information refer to www.panduit.com/tools.

Panduit® Type NNC Divider Wall

- NNC solid divider wall can be mounted inside NNC and NE wiring duct to create multiple channels
- Material: Halogen-free polyphenylene oxide (PPO)
- Simply install the divider wall base when mounting the duct and snap the divider wall onto mounting base, DB-C



Part Number	Length (m)	For Nominal Duct Height (mm)	Std. Pkg. Qty. (m)	Std. Ctn. Qty. (m)
NNC50DWH2	2	50	2	40
NNC75DWH2	2	75		

Available in WH (White) color only.

NOTE: Must be used with mounting base DB-C (see page C1.30), which is sold separately. Install mounting bases to the duct channel, locate within 2" of each divider wall end and at least every 12" along the length.

For tool information refer to www.panduit.com/tools.

B1

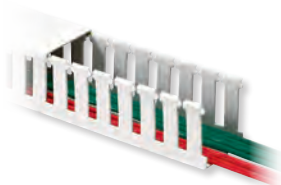
Panduct® Type NE Halogen-Free Wiring Duct

B2

- Material: Halogen-free polyphenylene oxide (PPO)
- UL recognized continuous use temperature: 203°F (95°C)
- UL 94 flammability rating of V-0
- Meets a Hazard Level Classification of HL1 per European Standard EN 45545-2 for R23 (exterior)
- Provided with mounting holes
- Base and cover length is 6 feet
- Conforms with NFPA 79-2015 section 13.3.1 requirement for flame retardant material

B3

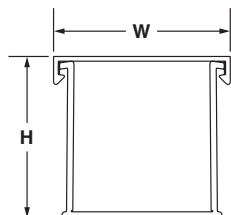
C1



C2

C3

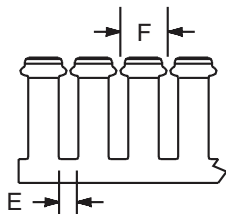
C4



D1

D2

D3



E1

	E	F
For 0.5" duct height:	0.37" [9.4]	0.80" [20.3]
1" to 2" duct height:	0.31" [7.9]	0.80" [20.3]
3" to 4" duct height:	0.31" [7.9]	1.00" [25.4]
5" duct height:	0.38" [9.4]	1.33" [33.8]

E2

E3

E4

E5

F

G

H

Base Part Number	Duct Size (W x H)*		Slot Width		Cover Part Number	Std. Pkg. Qty.	Base Ctn. Qty.	Cover Ctn. Qty.
	In.	mm	In.	mm				
NE.5X.5WH6	0.63 x 0.56	16.0 x 14.2	0.38	9.7	NC.5WH6	6	120	120
NE.5X1WH6	0.63 x 1.06	16.0 x 26.9	0.31	7.9	NC.5WH6			
NE1X1WH6	1.14 x 1.06	29.0 x 26.9	0.31	7.9	NC1WH6			
NE1X1.5WH6	1.14 x 1.62	29.0 x 41.1	0.31	7.9	NC1WH6			
NE1X2WH6	1.14 x 2.06	29.0 x 52.3	0.31	7.9	NC1WH6			
NE1X3WH6	1.14 x 3.06	29.0 x 77.7	0.31	7.9	NC1WH6			
NE1X4WH6	1.14 x 4.06	29.0 x 103.1	0.31	7.9	NC1WH6	6	60	120
NE1.5X1.5WH6	1.64 x 1.62	41.7 x 41.1	0.31	7.9	NC1.5WH6	6	120	120
NE1.5X2WH6	1.64 x 2.06	41.7 x 52.3	0.31	7.9	NC1.5WH6			
NE1.5X3WH6	1.64 x 3.06	41.7 x 77.7	0.31	7.9	NC1.5WH6			
NE1.5X4WH6	1.64 x 4.06	41.7 x 103.1	0.31	7.9	NC1.5WH6	6	60	120
NE2X1WH6	2.14 x 1.08	54.4 x 27.4	0.31	7.9	NC2WH6	6	120	120
NE2X2WH6	2.14 x 2.08	54.4 x 52.8	0.31	7.9	NC2WH6			
NE2X3WH6	2.14 x 3.06	54.4 x 77.7	0.31	7.9	NC2WH6	6	60	120
NE2X4WH6	2.14 x 4.06	54.4 x 103.1	0.31	7.9	NC2WH6			
NE3X1WH6	3.14 x 1.06	79.8 x 26.9	0.31	7.9	NC3WH6	6	120	120
NE3X2WH6	3.14 x 2.06	79.8 x 52.3	0.31	7.9	NC3WH6			
NE3X3WH6	3.14 x 3.06	79.8 x 77.7	0.31	7.9	NC3WH6	6	60	120
NE3X4WH6	3.14 x 4.06	79.8 x 103.1	0.31	7.9	NC3WH6			
NE3X5WH6	3.14 x 5.06	79.8 x 128.5	0.38	9.7	NC3WH6			
NE4X2WH6	4.14 x 2.06	105.2 x 52.3	0.31	7.9	NC4WH6			
NE4X3WH6	4.14 x 3.06	105.2 x 77.7	0.31	7.9	NC4WH6			
NE4X4WH6	4.14 x 4.06	105.2 x 103.1	0.31	7.9	NC4WH6			
NE4X5WH6	4.14 x 5.06	105.2 x 128.5	0.38	9.7	NC4WH6			

>Available in the solid NS duct without mounting holes.

Available in WH (White) only.

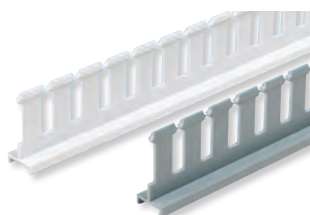
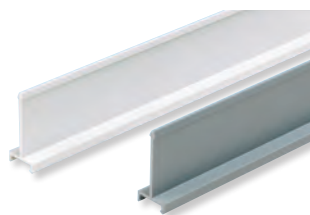
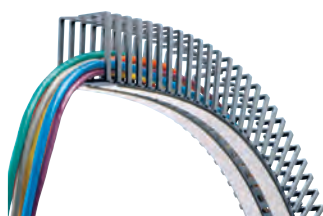
Do not allow cutting, tapping, or cleaning fluids that contain hydrocarbons to come in contact with type NE wiring duct as it will cause stress cracking. See page C1.51 for list of chemicals to avoid.

Base and cover sold separately.

**"H" dimension includes duct and cover.

Some sizes and colors are available with adhesive tape. See page C1.36 for availability.

For tool information refer to www.panduit.com/tools.



Wiring Duct Accessories

Panduit® offers a selection of Panduct® Accessories to aid cutting, modifying, and installing wiring duct.

Some of the features and benefits found in Panduct® Accessories include:

- **Snap-in wire retainers** to retain cabling when the cover is removed or during cable installation
- **Divider walls** that mount within the duct, enabling multiple channels to be created within a duct channel
- **Corner strips** hold corners rigid at t-junctions in control panel applications
- **Mounting clips** provide an alternative method to mount the duct and allow the duct to be more easily removed

B1

Panduct® Type FL Flexible Wiring Duct

B2

- Material: Flexible Polypropylene
- UL Recognized continuous use temperature: 149°F (65°C)
- UL 94 flammability rating of V-2
- Factory applied adhesive tape provided for easy positioning**
- Shelf Life: 5 yrs (adhesive tape)

B3

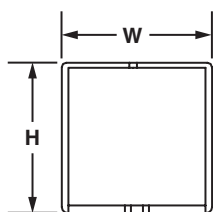


C1

C2

C3

C4



Part Number	Duct Size (W x H)*		Length		Std. Pkg. Qty.
	mm	In.	mm	In.	
FL12X12LG-A	12.5 x 12.5	0.49 x 0.49	500	19.7	112
FL25X25LG-A	25.0 x 25.0	0.98 x 0.98	500	19.7	70
FL50X50LG-A	50.0 x 50.0	1.97 x 1.97	500	19.7	32

Available in LG (RAL 7040 Light Gray) color only. Unit of measure is pieces.

**H" dimension includes duct and cover.

**Adhesive tape is not meant for permanent mounting of wiring duct. One mounting hole on each end will be exposed for permanent mounting with fasteners. For best results, wiring duct should be applied to clean, dry, grease-free surfaces. We recommend the surface be cleaned prior to wiring duct installation.

For tool information refer to www.panduit.com/tools.

0.20" TYP [5.0]



0.25" TYP [6.2]

Panduct® Divider Wall

D1

D2

D3

- Wiring duct divider wall can be mounted inside any type of Panduit PVC wiring duct to create multiple channels
- Simply install the divider wall base when mounting the duct and snap the divider wall onto the mounting base
- All versions snap onto DB-C mounting base
- Divider wall heights 2" and greater have a scoreline feature allowing sections to be removed leaving a smooth edge
- Meets UL508/508A insulation material requirement for barrier between conductors
- Divider Wall material: Lead-free PVC, UL 94 flammability rating of V-0
- Mounting base material: Polycarbonate, UL 94 flammability rating of V-2



DB-C

E1

E2

E3

E4

E5



D*H6 and D*H2



SD*H6

F

G

H

Part Number	Used with Anchors	Std. Pkg. Qty.	Std. Ctn. Qty.
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Panduct® Divider Wall Mounting Base

DB-C	Panduit NR1 or #8, #10, M4 or M5 screw	100	1000
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Part Number	For Nominal Duct Height		Length		Color	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	Ft.	M			

Panduct® Solid Divider Wall

D2H6	2.00	50	6	—	Light Gray	6	120
D3H6	3.00	75	6	—			
D4H6	4.00	100	6	—			
D2HWH6	2.00	50	6	—	White	6	
D3HWH6	3.00	75	6	—			
D4HWH6	4.00	100	6	—			
D50H2	2.00	50	6	—			

Panduct® Slotted Divider Wall

SD2H6	2.00	50	6	—	Light Gray	6	120
SD3H6	3.00	75	6	—			
SD4H6	4.00	100	6	—			
SD2HWH6	2.00	50	6	—	White	6	
SD3HWH6	3.00	75	6	—			
SD4HWH6	4.00	100	6	—			

Note: Must be used with mounting base, DB-C (see page C1.30) which is sold separately. Install mounting bases to the duct channel, locate within 2" of each divider wall end and at least every 12" along the length. For tool information refer to www.panduit.com/tools.

Panduct® Type NNC Divider Wall

- NNC solid divider wall can be mounted inside NNC and NE wiring duct to create multiple channels
- Material: Halogen-free polyphenylene oxide (PPO)
- Simply install the divider wall base when mounting the duct and snap the divider wall onto mounting base, DB-C



Part Number	For Nominal Duct Height		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm		
NNC50DWH2	2.00	50	2	40
NNC75DWH2	3.00	75		

Available in WH (White) color only.

NOTE: Must be used with mounting base DB-C (see page C1.30), which is sold separately. Install mounting bases to the duct channel, locate within 2" of each divider wall end and at least every 12" along the length.

For tool information refer to www.panduit.com/tools.

Panduct® Type G and H Wiring Duct Wire Retainers

- Insert between fingers of type G and H to contain wiring when cover is removed
- Adjustable height
- Material: ABS



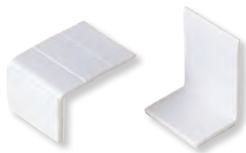
Part Number	For Nominal Duct Width In. (mm)	For Nominal Duct Height In. (mm)	Std. Pkg. Qty.	Std. Ctn. Qty.
WR2-C	2.00 (50.8)	2.00 – 4.00 (50.8 – 101.6)	100	1000
WR2H-C	2.00 (50.8)	2.00 – 4.00 (50.8 – 101.6)		
WR3-C	3.00 (76.2)	2.00 – 4.00 (50.8 – 101.6)		
WR4-C	4.00 (101.6)	2.00 – 4.00 (50.8 – 101.6)		
WR5-C	Use with: 3x5, 4x5, or 6x4	Use with: 3x5, 4x5, or 6x4		

*For 2" width type H hinged cover wiring duct use part number WR2H-C.

For tool information refer to www.panduit.com/tools.

Panduct® Solid Wall Wiring Duct Type FS, Type HS, and Type D Wiring Duct Wire Retainer

- Mounts onto walls of type FS, type HS, and type D wiring duct with pressure sensitive adhesive
- One size fits three different duct widths
- Full length is used with 2 inch wide duct; for small widths, break off segments at scorelines
- Material: Lead-free PVC



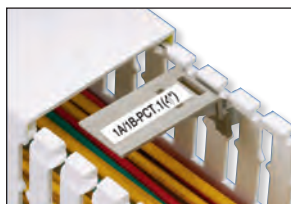
Part Number	For Nominal Duct Width	Std. Pkg. Qty.	Std. Ctn. Qty.
WRS-A-C10	1.00 (25.4) 1.50 (38.1) 2.00 (50.8)	100	1000

For tool information refer to www.panduit.com/tools.



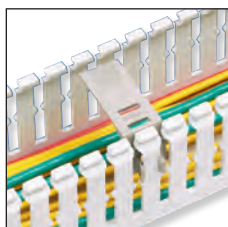
Panduct® Type F, HN and MC Duct Wire Retainers/Labeling Device

- Used to contain wiring when cover is removed and can also be used as a labeling device
- FWR-C is compatible with type F and HN duct sizes
- FMWR-C is compatible with type MC duct sizes
- Material: Lead-free PVC

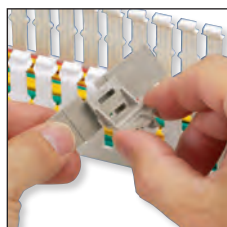


Part Number	Material	For Duct Width		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm		
FWR-C	Rigid PVC	1.50 – 4.00	37.0 – 76.2	100	1000
FMWR-C	Rigid PVC	1.46 – 3.94	37.0 – 100.0		

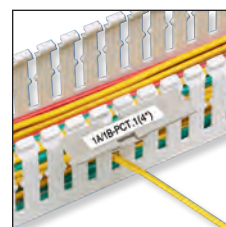
For tool information refer to www.panduit.com/tools.



Labeling Inside Duct –
Snaps onto duct fingers. Full length for use with 4" wide duct. For smaller widths, break off segments at scorelines.



Labeling Outside Duct –
Break off the last segment from wire retainer below 1.5" mark and snap onto the back of the remaining segment. Install label and mount between fingers facing outward.



Panduct® Duct Corner Strip with 1" Bend Radius Control

- Create a strong rigid corner at wiring duct junctions
- Provide bend radius protection for cabling as required in NFPA 79-2015 section 13.1.5.9 and TIA/EIA-568-B and 569-A
- Available in 6 foot lengths that can be cut to size to meet any size requirement
- Easy to install two-piece design
- Compatible with all styles of Panduit wiring duct
- UL 94 flammability rating of V-0
- Material: Lead-free PVC



Part Number	Part Description	For Duct Height		Color	Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm			
6' Lengths for use with all Types of PVC Wiring Duct						
CSC1LG6	Cut-to-size 6 foot corner strip with a 1" bend radius.	All sizes (Cut to height)*	All sizes (Cut to height)*	Light Gray	6	120

Order number of feet required, in multiples of 6' or Standard Package Quantity.

*Refer to Cutting Guide on page C1.33.

Also available in Black (BL) and White (WH).

For tool information refer to www.panduit.com/tools.

Panduct® Duct Corner Strip

- Slide onto duct at corner or t-junctions for smooth, round corners
- Available in 6 foot lengths that can be cut to size to meet any requirement
- Easy to install one-piece design
- Compatible with all styles of Panduit wiring duct
- UL 94 flammability rating of V-0
- Material: Lead-free PVC



CS1LG6

Part Number	Part Description	For Nominal Duct Height		Color	Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm			

6' Lengths for use with all Types of PVC Wiring Duct

CS1LG6	6 foot length is cut by user to fit duct height.	All sizes (Cut to height)*	All sizes (Cut to height)*	Light Gray	6	120
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*Refer to Cutting Guide below.
Available in Light (LG) and White (WH).
For tool information refer to www.panduit.com/tools.

Cutting Guide for Duct Corner Strips (CSC1**6, CS1**6)

Used with Duct Height	Cut-to-Size*
1 inch	0.47" (11.9)
1.5 inch	1.04" (26.4)
2 inch	1.23" (31.2)
2.5 inch	1.97" (50.0)
3 inch	2.27" (57.7)
4 inch	3.25" (82.5)
5 inch	4.47" (113.5)

Used with Metric Duct Height	Cut-to-Size*
25mm	0.43" (10.9)
37mm	0.91" (23.1)
50mm	1.39" (35.3)
62mm	1.85" (47.0)
75mm	2.38" (60.5)
100mm	3.35" (85.1)

*Cut-to-size measure fits into the flat area of the duct sidewall.
For tool information refer to www.panduit.com/tools.

Panduct® Snap-Clip Mounting Brackets

- Duct easily snaps into bracket
- No mounting holes required in duct
- Ensures no metal is inside the duct
- Snap-clip spacing is not critical
- Simplifies fabrication drawings and panel layout
- Material: Spring steel



Part Number	Screw Required	For Duct Width		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm		

Snap-Clip Mounting Brackets for use with Types G, F, FS and D Wiring Duct

S1F-C	#8-32 x 1/4 (Provided)	1.00	25.4	100	1000
S1.5F-C	#8-32 x 1/4 (Provided)	1.50	38.1		
S2F-C	#8-32 x 1/4 (Provided)	2.00	50.8		
S3F-C	#8-32 x 1/4 (Provided)	3.00	76.2		
S4F-C	#8-32 x 1/4 (Provided)	4.00	101.6		

Snap-Clip Mounting Brackets for use with Types MC and NNC Wiring Duct

SNS25F-C	#8-32 x 1/4 (User Supplied)	1.00	25.0	100	1000
SNS37F-C	#8-32 x 1/4 (User Supplied)	1.50	37.0		
SNS50F-C	#8-32 x 1/4 (User Supplied)	2.00	50.0		
SNS62F-C	#8-32 x 1/4 (User Supplied)	2.50	62.0		
SNS75F-C	#8-32 x 1/4 (User Supplied)	3.00	75.0		

For tool information refer to www.panduit.com/tools.

Panduct® Snap-Clip Mounting Bracket – Type NE and NS Wiring Duct

- Duct easily snaps into bracket
- Ensures no metal is inside the duct
- Snap-clip spacing is not critical
- Simplifies fabrication drawings and panel layout
- Material: Spring steel



Part Number	Screw Required	For Duct Width		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm		
SNS.5-C	#6-32 x 1/4 (User Supplied)	0.50	12.7	100	1000
SNS.75-C	#6-32 x 1/4 (User Supplied)	0.75	19.1		
SNS1-C	#8-32 x 1/4 (User Supplied)	1.00	25.4		
SNS1.5-C	#8-32 x 1/4 (User Supplied)	1.50	38.1		
SNS2-C	#8-32 x 1/4 (User Supplied)	2.00	50.8		
SNS3-C	#8-32 x 1/4 (User Supplied)	3.00	76.2		

For tool information refer to www.panduit.com/tools.

Adhesive Tape for Wiring Duct

- Recommended installation temperature is 70°F (21°C)
- UL recognized service temperature is 32°F (0°C) to 140°F (60°C)
- Optimum recommended dwell time for acrylic adhesive is 8 hours
- Recommended tape load is 1/2 lb. per square inch of tape area



Duct Size (W x H)	Tape Part Number	Roll Length		Std. Pkg. Qty.	Std. Ctn. Qty.
		Yds.	m		
0.5 x 0.5 thru 1.5 x 4	P32W2A2-50-7	7.0	6.4	1	100
	P32W2A2-50-72	72.0	65.5		9
2 x 1 thru 3 x 3	P32W2A2-50-7	7.0	6.4		100
	P32W2A2-50-72	72.0	65.5		9
3 x 4 thru 3 x 5	P32W2A2-75-7	7.0	6.4		60
	P32W2A2-75-72	72.0	65.5		7
4 x 1.5 thru 4 x 3	P32W2A2-50-7	7.0	6.4		100
	P32W2A2-75-72	72.0	65.5		9
4 x 4 thru 6 x 4	P32W2A2-75-7	7.0	6.4		60
	P32W2A2-75-72	72.0	65.5		7

For wiring duct 1.5 x 1.5 use 3/4" wide tape.
For tool information refer to www.panduit.com/tools.

Specifications for Factory Applied Tape

Duct Size (W x H)	Rows of Tape	Tape			
		Width		Thickness	
		In.	mm	In.	mm
0.5 x 0.5 through 0.75 x 2	1	0.50	12.7	0.03	0.8
1 x 1 through 1.5 x 4	1	0.75	19.1	0.03	0.8
2 x 1 through 3 x 3	2	0.50	12.7	0.03	0.8
3 x 4 through 3 x 5	2	0.75	19.1	0.03	0.8
4 x 1.5 through 4 x 3	2	0.50	12.7	0.03	0.8
4 x 4 through 6 x 4	2	0.75	19.1	0.03	0.8

Adhesive tape is not meant for permanent mounting of wiring duct. One mounting hole on each end will be exposed for permanent mounting with fasteners. For best results, wiring duct should be applied to clean, dry, grease-free surfaces. We recommend the surface be cleaned prior to wiring duct installation.
For tool information refer to www.panduit.com/tools.

B1

Adhesive Tape Guide

Selection of wiring duct part numbers available with factory applied adhesive tape.

B2

B3



C1

G Duct Light Gray	G Duct White	G Duct Black	F Duct Light Gray	F Duct White	FS Duct Light Gray	FS Duct White	FS Duct Black	NE Duct White
G.5X.5LG6-A	G.5X.5WH6-A	—	F.5X.5LG6-A	—	—	—	—	—
G.5X1LG6-A	G.5X1WH6-A	—	F.5X1LG6-A	—	—	—	—	—
G.75X.75LG6-A	—	—	F.75X.75LG6-A	—	—	—	—	—
G.75X1LG6-A	G.75X1WH6-A	—	—	—	—	—	—	—
G.75X1.5LG6-A	G.75X1.5WH6-A	—	F.75X1.5LG6-A	—	—	—	—	—
G.75X2LG6-A	G.75X2WH6-A	—	—	—	—	—	—	—
G1X1LG6-A	G1X1WH6-A	—	F1X1LG6-A	—	—	FS1X1WH6-A	—	—
G1X1.5LG6-A	G1X1.5WH6-A	—	F1X1.5LG6-A	—	FS1X1.5LG6-A	—	—	—
G1X2LG6-A	G1X2WH6-A	—	F1X2LG6-A	F1X2WH6-A	—	—	—	—
G1X3LG6-A	G1X3WH6-A	G1X3BL6-A	F1X3LG6-A	F1X3WH6-A	—	—	—	—
G1X4LG6-A	G1X4WH6-A	—	F1X4LG6-A	F1X4WH6-A	—	—	—	—
G1.5X1LG6-A	G1.5X1WH6-A	—	F1.5X1LG6-A	—	—	—	—	—
G1.5X1.5LG6-A	G1.5X1.5WH6-A	—	F1.5X1.5LG6-A	—	FS1.5X1.5LG6-A	FS1.5X1.5WH6-A	FS1.5X1.5BL6-A	—
G1.5X2LG6-A	G1.5X2WH6-A	—	F1.5X2LG6-A	—	—	—	—	NE1.5X2WH6-A
G1.5X3LG6-A	G1.5X3WH6-A	—	F1.5X3LG6-A	F1.5X3WH6-A	—	—	—	—
G1.5X4LG6-A	G1.5X4WH6-A	—	F1.5X4LG6-A	F1.5X4WH6-A	—	—	—	—
G2X1LG6-A	G2X1WH6-A	—	F2X1LG6-A	—	—	—	—	—
G2X1.5LG6-A	G2X1.5WH6-A	—	F2X1.5LG6-A	—	—	—	—	—
G2X2LG6-A	G2X2WH6-A	G2X2BL6-A	F2X2LG6-A	F2X2WH6-A	—	—	—	NE2X2WH6-A
G2X3LG6-A	G2X3WH6-A	—	F2X3LG6-A	F2X3WH6-A	—	—	—	—
G2X4LG6-A	G2X4WH6-A	G2X4BL6-A	F2X4LG6-A	F2X4WH6-A	—	—	—	—
G2X5LG6-A	G2X5WH6-A	—	F2X5LG6-A	—	—	—	—	—
G2.5X3LG6-A	G2.5X3WH6-A	—	—	—	—	—	—	—
G3X1LG6-A	G3X1WH6-A	—	F3X1LG6-A	—	—	—	—	—
G3X2LG6-A	G3X2WH6-A	—	F3X2LG6-A	—	—	—	—	—
G3X3LG6-A	G3X3WH6-A	G3X3BL6-A	F3X3LG6-A	F3X3WH6-A	—	—	—	—
G3X4LG6-A	G3X4WH6-A	—	F3X4LG6-A	F3X4WH6-A	—	—	—	—
G3X5LG6-A	G3X5WH6-A	—	F3X5LG6-A	—	—	—	—	—
G4X1.5LG6-A	G4X1.5WH6-A	—	—	—	—	—	—	—
G4X2LG6-A	G4X2WH6-A	—	F4X2LG6-A	—	—	—	—	NE4X2WH6-A
G4X3LG6-A	G4X3WH6-A	—	F4X3LG6-A	F4X3WH6-A	—	—	—	NE4X3WH6-A
G4X4LG6-A	G4X4WH6-A	G4X4BL6-A	F4X4LG6-A	F4X4WH6-A	—	—	—	NE4X4WH6-A
G4X5LG6-A	G4X5WH6-A	—	F4X5LG6-A	—	—	—	—	—
—	—	—	—	—	FS6X4LG6-A	—	—	—

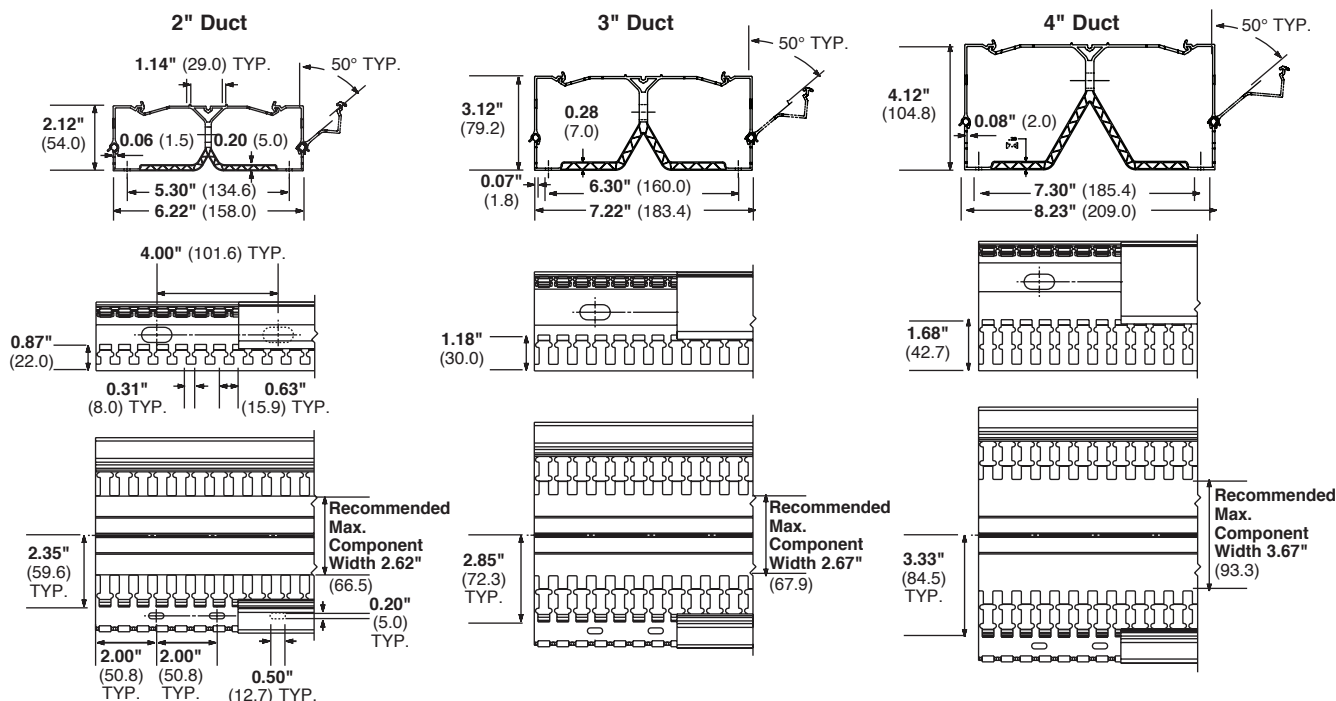
All three sizes of flexible duct come provided with adhesive: FL12X12LG-A, FL25X25LG-A, FL50X50LG-A.

Adhesive tape is not meant for permanent mounting of wiring duct. One mounting hole on each end will be exposed for permanent mounting with fasteners. For best results, wiring duct should be applied to clean, dry, grease-free surfaces. We recommend the surface be cleaned prior to wiring duct installation. For tool information refer to www.panduit.com/tools.

H

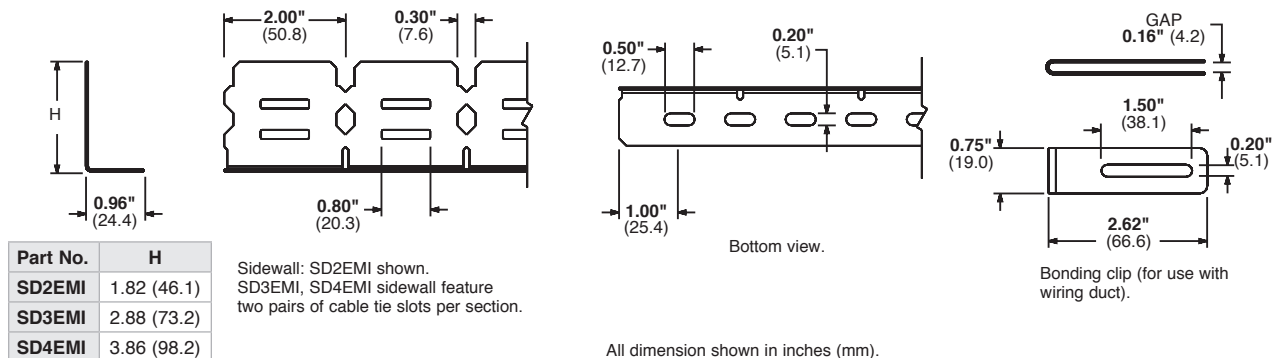
Panduct® PanelMax™ DIN Rail Wiring Duct Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.



Panduct® PanelMax™ Noise Shield Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.

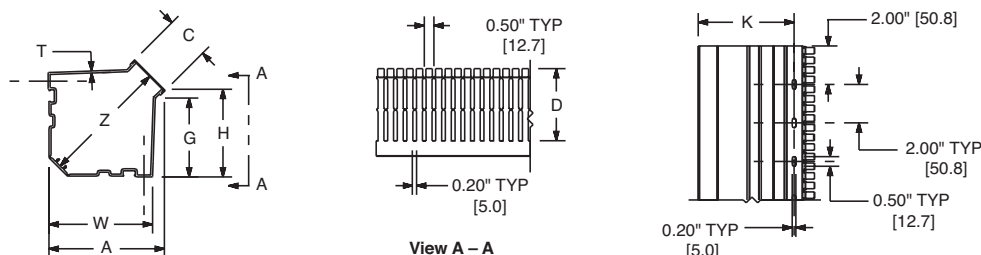


Panduct® PanelMax™ Corner Wiring Duct Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.

Size	Dimensions – Inches (mm)								
	A	C	D	G	H	K	T	W	Z
CWD2	3.91 (99.3)	2.25 (57.2)	1.81 (45.9)	2.10 (53.4)	2.57 (65.3)	2.93 (74.3)	0.08 (2.0)	3.35 (85.0)	3.72 (94.6)
CWD3	4.98 (126.6)	2.25 (57.2)	2.83 (71.8)	3.10 (79.1)	3.57 (90.7)	3.88 (98.6)	0.10 (2.4)	4.40 (111.8)	5.16 (131.0)
CWD4	5.94 (150.9)	2.25 (57.2)	3.84 (97.5)	4.10 (104.1)	4.58 (115.7)	4.93 (125.2)	0.11 (2.7)	5.33 (135.3)	6.54 (166.0)

For tool information refer to www.panduit.com/tools.



B1

Panduct® Type G and D Wiring Duct Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.

B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

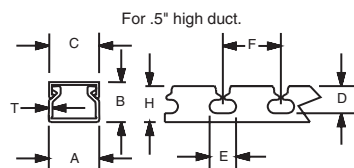
E4

E5

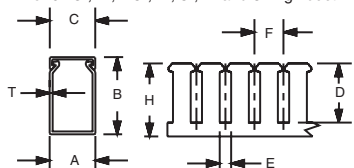
F

G

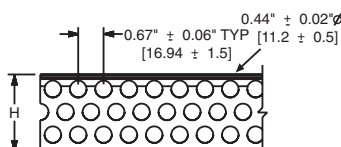
H



For 0.75", 1", 1.5", 2", 3", 4" and 5" high duct.

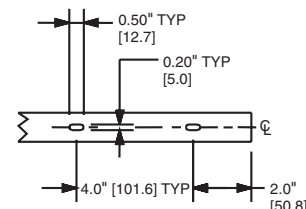


Note: 'A' dimension is measured at base.
Note: 'K' dimension shown in mounting hole dimensions below.

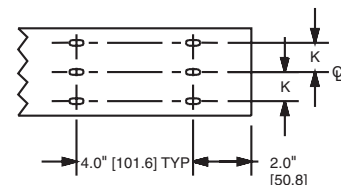


For 2" duct height = 3 rows of holes
3" duct height = 4 rows of holes
4" duct height = 6 rows of holes

Mounting Hole Dimensions
For 0.5", 0.75", 1", and 1.5" wide duct.



For 2.0", 2.5", 3", 4" and 6" wide duct.



		Dimensions – Inches (mm)								
	Duct Size (W x H)	A	B	C	D	E	F	H	K	T
ON CENTERLINE	0.5 x 0.5 (12.7) x (12.7)	0.69 (17.5)	0.60 (15.2)	0.69 (17.5)	0.38 (9.7)	0.37 (9.4)	0.80 (20.3)	0.50 (12.7)		0.05 (1.3)
	0.5 x 1 (12.7) x (25.4)	0.69 (17.5)	1.06 (26.9)	0.69 (17.5)	0.75 (19.1)	0.32 (8.1)	0.80 (20.3)	1.00 (25.4)		0.05 (1.3)
	0.5 x 2 (12.7) x (50.8)	0.69 (17.5)	2.03 (51.6)	0.69 (17.5)	1.63 (41.4)	0.32 (8.1)	0.80 (20.3)	2.00 (50.8)		0.08 (2.0)
	0.75 x 0.75 (19.1) x (19.1)	0.92 (23.9)	0.82 (20.8)	0.92 (23.9)	56 (14.2)	0.32 (8.1)	0.80 (20.3)	0.75 (19.1)		0.05 (1.3)
	0.75 x 1 (19.1) x (25.4)	0.92 (23.9)	1.06 (26.9)	0.92 (23.9)	0.75 (19.1)	0.32 (8.1)	0.80 (20.3)	1.00 (25.4)		0.05 (1.3)
	0.75 x 1.5 (19.1) x (38.1)	0.92 (23.9)	1.57 (39.9)	0.92 (23.9)	1.20 (30.5)	0.32 (8.1)	0.80 (20.3)	1.50 (38.1)		0.05 (1.3)
	0.75 x 2 (19.1) x (50.8)	0.94 (23.8)	2.03 (51.6)	0.94 (23.9)	1.63 (41.4)	0.32 (8.1)	0.80 (20.3)	2.00 (50.8)		0.08 (2.0)
	1 x 1 (25.4) x (25.4)	1.25 (31.8)	1.12 (28.4)	1.25 (31.8)	0.75 (19.1)	0.32 (8.1)	0.80 (20.3)	1.00 (25.4)		0.06 (1.5)
	1 x 1.5 (25.4) x (38.1)	1.25 (31.8)	1.62 (41.1)	1.25 (31.8)	1.20 (30.5)	0.32 (8.1)	0.80 (20.3)	1.50 (38.1)		0.07 (1.8)
	1 x 2 (25.4) x (50.8)	1.25 (31.8)	2.12 (53.8)	1.25 (31.8)	1.63 (41.4)	0.32 (8.1)	0.80 (20.3)	2.00 (50.8)		0.08 (2.0)
	1 x 3 (25.4) x (76.2)	1.25 (31.8)	3.12 (79.2)	1.25 (31.8)	2.63 (66.8)	0.32 (8.1)	1.00 (25.4)	3.00 (76.2)		0.09 (2.3)
	1 x 4 (25.4) x (101.6)	1.25 (31.8)	4.10 (104.1)	1.25 (31.8)	3.63 (92.2)	0.32 (8.1)	1.00 (25.4)	4.00 (101.6)		0.10 (2.6)
ON CENTERLINE	1.5 x 1 (38.1) x (25.4)	1.75 (44.5)	1.12 (28.4)	1.75 (44.5)	0.75 (19.1)	0.32 (8.1)	0.80 (20.3)	1.00 (25.4)		0.06 (1.5)
	1.5 x 1.5 (38.1) x (38.1)	1.75 (44.5)	1.62 (41.1)	1.75 (44.5)	1.20 (30.5)	0.32 (8.1)	0.80 (20.3)	1.50 (38.1)		0.07 (1.8)
	1.5 x 2 (38.1) x (50.8)	1.75 (44.5)	2.12 (53.8)	1.75 (44.5)	1.63 (41.4)	0.32 (8.1)	0.80 (20.3)	2.00 (50.8)		0.08 (2.0)
	1.5 x 3 (38.1) x (76.2)	1.75 (44.5)	3.12 (79.2)	1.75 (44.5)	2.63 (66.8)	0.32 (8.1)	1.00 (25.4)	3.00 (76.2)		0.10 (2.5)
	1.5 x 4 (38.1) x (101.6)	1.74 (44.5)	4.10 (104.1)	1.74 (44.5)	3.63 (92.2)	0.32 (8.1)	1.00 (25.4)	4.00 (101.6)		0.11 (2.8)
	2 x 1 (50.8) x (25.4)	2.25 (57.2)	1.12 (28.4)	2.25 (57.2)	0.75 (19.1)	0.32 (8.1)	0.80 (20.3)	1.00 (25.4)	0.50 (12.7)	0.06 (1.5)
	2 x 1.5 (50.8) x (38.1)	2.25 (57.2)	1.62 (41.1)	2.25 (57.2)	1.20 (30.5)	0.32 (8.1)	0.80 (20.3)	1.50 (38.1)	0.50 (12.7)	0.07 (1.8)
	2 x 2 (50.8) x (50.8)	2.25 (57.2)	2.12 (53.8)	2.25 (57.2)	1.63 (41.4)	0.32 (8.1)	0.80 (20.3)	2.00 (50.8)	0.50 (12.7)	0.08 (2.0)
	2 x 3 (50.8) x (76.2)	2.25 (57.2)	3.12 (79.2)	2.25 (57.2)	2.63 (66.8)	0.32 (8.1)	1.00 (25.4)	3.00 (76.2)	0.50 (12.7)	0.10 (2.5)
	2 x 4 (50.8) x (101.6)	2.25 (57.2)	4.10 (104.1)	2.25 (57.2)	3.63 (92.2)	0.32 (8.1)	1.00 (25.4)	4.00 (101.6)	0.50 (12.7)	0.11 (2.8)
	2 x 5 (50.8) x (127.0)	2.25 (57.2)	5.10 (129.5)	2.25 (57.2)	4.63 (117.6)	0.32 (8.1)	1.33 (33.8)	5.00 (127.0)	0.50 (12.7)	0.12 (3.0)
	2.5 x 3 (63.5) x (76.2)	2.75 (69.9)	3.12 (79.2)	2.75 (69.9)	2.63 (66.8)	0.32 (8.1)	1.00 (25.4)	3.00 (76.2)	0.73 (18.5)	0.10 (2.5)
ON CENTERLINE	3 x 1 (76.2) x (25.4)	3.25 (82.6)	1.12 (28.4)	3.25 (82.6)	0.75 (19.1)	0.32 (8.1)	1.00 (25.4)	1.00 (25.4)	1.00 (25.4)	0.07 (1.8)
	3 x 2 (76.2) x (50.8)	3.25 (82.6)	2.12 (53.8)	3.25 (82.6)	1.63 (41.4)	0.32 (8.1)	1.00 (20.3)	2.00 (50.8)	1.00 (25.4)	0.08 (2.0)
	3 x 3 (76.2) x (76.2)	3.25 (82.6)	3.12 (79.2)	3.25 (82.6)	2.63 (66.8)	0.32 (8.1)	1.00 (25.4)	3.00 (76.2)	1.00 (25.4)	0.10 (2.5)
	3 x 4 (76.2) x (101.6)	3.25 (82.6)	4.10 (104.1)	3.25 (82.6)	3.63 (92.2)	0.32 (8.1)	1.00 (25.4)	4.00 (101.6)	1.00 (25.4)	0.11 (2.8)
	3 x 5 (76.2) x (127.0)	3.25 (82.6)	5.10 (129.5)	3.25 (82.6)	4.63 (117.6)	0.38 (9.7)	1.33 (33.8)	5.00 (127.0)	1.00 (25.4)	0.12 (3.0)
	4 x 1.5 (101.6) x (38.1)	4.25 (108.0)	1.62 (41.1)	4.25 (108.0)	1.20 (30.5)	0.32 (8.1)	1.00 (20.3)	1.50 (38.1)	1.50 (38.1)	0.07 (1.8)
	4 x 2 (101.6) x (50.8)	4.25 (108.0)	2.12 (53.8)	4.25 (108.0)	1.63 (41.4)	0.32 (8.1)	0.80 (20.3)	2.00 (50.8)	1.50 (38.1)	0.08 (2.0)
	4 x 3 (101.6) x (76.2)	4.25 (108.0)	3.12 (79.2)	4.25 (108.0)	2.63 (66.8)	0.32 (8.1)	1.00 (25.4)	3.00 (76.2)	1.50 (38.1)	0.10 (2.5)
	4 x 4 (101.6) x (101.6)	4.25 (108.0)	4.10 (104.1)	4.25 (108.0)	3.63 (92.2)	0.32 (8.1)	1.00 (25.4)	4.00 (101.6)	1.50 (38.1)	0.11 (2.8)
	4 x 5 (101.6) x (127.0)	4.25 (108.0)	5.10 (129.5)	4.25 (108.0)	4.63 (117.6)	0.38 (9.7)	1.33 (33.8)	5.00 (127.0)	1.50 (38.1)	0.12 (3.0)
	6 x 4 (152.4) x (101.6)	6.23 (158.8)	4.15 (105.4)	6.25 (158.8)	3.63 (92.2)	0.31 (8.1)	1.00 (25.4)	4.00 (101.6)	2.50 (63.5)	0.11 (2.8)

>Available for type G wiring duct only.

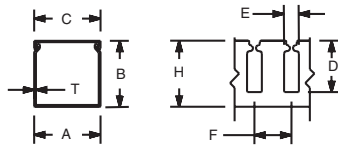
See page C1.15 and C1.19 for wiring duct color and size availability.

For tool information refer to www.panduit.com/tools.

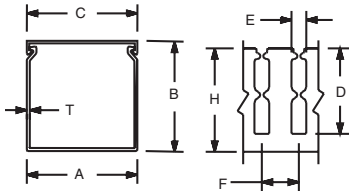
Panduct® Type F and FS Wiring Duct Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.

For 0.5", 0.75", 1" and 1.5" high duct.



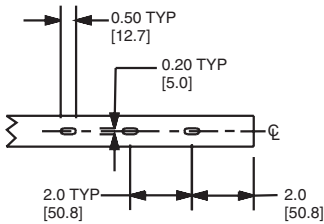
For 2", 3", 4" and 5" high duct.



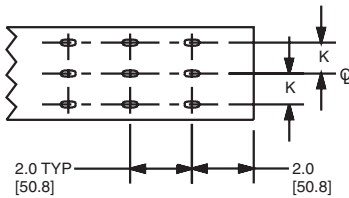
Note: 'A' dimension is measured at base.
Note: 'K' dimension shown in mounting hole dimensions below.

Mounting Hole Dimensions

For 0.5", 0.75", 1" and 1.5" wide duct.



For 2.0", 2.5", 3", 4" and 6" wide duct.



Note: For type FS wiring duct, no mounting holes is the standard condition; if mounting holes are required, delete NM from the part number.

Duct Size (W x H)	Dimensions – Inches (mm)								
	A	B	C	D	E	F	H	K	T
0.5 x 0.5 (12.7) x (12.7)	0.69 (17.5)	0.60 (15.2)	0.69 (17.5)	0.38 (9.5)	0.20 (5.0)	.50 (12.7)	.50 (12.7)	ON CENTERLINE	0.05 (1.3)
0.5 x 1 (12.7) x (25.4)	0.69 (17.5)	1.06 (26.9)	0.69 (17.5)	0.75 (19.1)	0.20 (5.0)	.50 (12.7)	1.00 (25.4)		0.05 (1.3)
0.75 x 0.75 (19.1) x (19.1)	0.94 (23.6)	0.82 (20.8)	0.94 (23.9)	.56 (14.3)	0.20 (5.0)	.50 (12.7)	0.75 (19.1)		0.06 (1.4)
0.75 x 1.5 (19.1) x (38.1)	0.94 (23.6)	1.57 (39.9)	0.94 (23.9)	1.20 (30.5)	0.20 (5.0)	.50 (12.7)	1.50 (38.1)		0.07 (1.8)
1 x 1 (25.4) x (25.4)	1.25 (31.8)	1.13 (28.7)	1.25 (31.8)	0.75 (19.1)	0.20 (5.0)	.50 (12.7)	1.00 (25.4)		0.06 (1.4)
1 x 1.5 (25.4) x (38.1)	1.25 (31.8)	1.62 (41.1)	1.25 (31.8)	1.20 (30.5)	0.20 (5.0)	.50 (12.7)	1.50 (38.1)		0.07 (1.8)
1 x 2 (25.4) x (50.8)	1.25 (31.8)	2.12 (53.8)	1.25 (31.8)	1.63 (41.4)	0.20 (5.0)	0.50 (12.7)	2.00 (50.8)		0.08 (2.0)
1 x 3 (25.4) x (76.2)	1.25 (31.8)	3.12 (79.2)	1.25 (31.8)	2.63 (66.8)	0.20 (5.0)	0.50 (12.7)	3.00 (76.2)		0.10 (2.4)
1 x 4 (25.4) x (101.6)	1.25 (31.8)	4.10 (104.1)	1.25 (31.8)	3.63 (92.2)	0.20 (5.0)	0.50 (12.7)	4.00 (101.6)		0.11 (2.7)
1.5 x 1 (38.1) x (25.4)	1.75 (44.5)	1.12 (28.4)	1.75 (44.5)	0.75 (19.1)	0.20 (5.0)	0.50 (12.7)	1.00 (25.4)		0.06 (1.5)
1.5 x 1.5 (38.1) x (38.1)	1.75 (44.5)	1.62 (41.1)	1.75 (44.5)	1.20 (30.5)	0.20 (5.0)	0.50 (12.7)	1.50 (38.1)		0.07 (1.8)
1.5 x 2 (38.1) x (50.8)	1.75 (44.5)	2.12 (53.8)	1.75 (44.5)	1.63 (41.4)	0.20 (5.0)	0.50 (12.7)	2.00 (50.8)		0.08 (2.0)
1.5 x 3 (38.1) x (76.2)	1.75 (44.5)	3.12 (79.2)	1.75 (44.5)	2.63 (66.8)	0.20 (5.0)	0.50 (12.7)	3.00 (76.2)		0.10 (2.4)
1.5 x 4 (38.1) x (101.6)	1.75 (44.5)	4.10 (104.1)	1.75 (44.5)	3.63 (92.2)	0.20 (5.0)	0.50 (12.7)	4.00 (101.6)		0.11 (2.7)
2 x 1 (50.8) x (25.4)	2.25 (57.2)	1.12 (28.4)	2.25 (57.2)	0.75 (19.1)	0.20 (5.0)	0.50 (12.7)	1.00 (25.4)	0.50 (12.7)	0.06 (1.5)
2 x 1.5 (50.8) x (38.1)	2.25 (57.2)	1.62 (41.1)	2.25 (57.2)	1.20 (30.5)	0.20 (5.0)	0.50 (12.7)	1.50 (38.1)	.50 (12.7)	0.07 (1.8)
2 x 2 (50.8) x (50.8)	2.25 (57.2)	2.12 (53.8)	2.25 (57.2)	1.63 (41.4)	0.20 (5.0)	0.50 (12.7)	2.00 (50.8)	.50 (12.7)	0.08 (2.0)
2 x 3 (50.8) x (76.2)	2.25 (57.2)	3.14 (79.8)	2.25 (57.2)	2.63 (66.8)	0.20 (5.0)	0.50 (12.7)	3.00 (76.2)	.50 (12.7)	0.10 (2.4)
2 x 4 (50.8) x (101.6)	2.25 (57.2)	4.10 (104.1)	2.25 (57.2)	3.63 (92.2)	0.20 (5.0)	0.50 (12.7)	4.00 (101.6)	.50 (12.7)	0.11 (2.7)
2 x 5 (50.8) x (127.0)	2.25 (57.2)	5.10 (129.5)	2.25 (57.2)	4.63 (117.6)	0.20 (5.0)	0.50 (12.7)	5.00 (127.0)	.50 (12.7)	0.12 (2.9)
3 x 1 (76.2) x (25.4)	3.25 (82.6)	1.12 (28.4)	3.25 (82.6)	0.75 (19.1)	0.20 (5.0)	0.50 (12.7)	1.00 (25.4)	1.00 (25.4)	0.07 (1.8)
3 x 2 (76.2) x (50.8)	3.25 (82.6)	2.12 (53.8)	3.25 (82.6)	1.63 (41.4)	0.20 (5.0)	0.50 (12.7)	2.00 (50.8)	1.00 (25.4)	0.08 (2.0)
3 x 3 (76.2) x (76.2)	3.25 (82.6)	3.12 (79.2)	3.25 (82.6)	2.63 (66.8)	0.20 (5.0)	0.50 (12.7)	3.00 (76.2)	1.00 (25.4)	0.10 (2.4)
3 x 4 (76.2) x (101.6)	3.25 (82.6)	4.10 (104.1)	3.25 (82.6)	3.63 (92.2)	0.20 (5.0)	0.50 (12.7)	4.00 (101.6)	1.00 (25.4)	0.11 (2.7)
3 x 5 (76.2) x (127.0)	3.25 (82.6)	5.10 (129.5)	3.25 (82.6)	4.63 (117.6)	0.20 (5.0)	0.50 (12.7)	5.00 (127.0)	1.00 (25.4)	0.12 (2.9)
4 x 1.5 (101.6) x (38.1)	4.25 (108.0)	1.62 (41.1)	4.25 (108.0)	N/A	N/A	N/A	1.50 (38.1)	N/A	0.07 (1.8)
4 x 2 (101.6) x (50.8)	4.25 (108.0)	2.12 (53.8)	4.25 (108.0)	1.63 (41.4)	0.20 (5.0)	0.50 (12.7)	2.00 (50.8)	1.50 (38.1)	0.08 (2.0)
4 x 3 (101.6) x (76.2)	4.25 (108.0)	3.12 (79.2)	4.25 (108.0)	2.63 (66.8)	0.20 (5.0)	.50 (12.7)	3.00 (76.2)	1.50 (38.1)	0.10 (2.5)
4 x 4 (101.6) x (101.6)	4.25 (108.0)	4.10 (104.1)	4.25 (108.0)	3.63 (92.2)	0.20 (5.0)	0.50 (12.7)	4.00 (101.6)	1.50 (38.1)	0.11 (2.7)
4 x 5 (101.6) x (127.0)	4.25 (108.0)	5.10 (129.5)	4.25 (108.0)	4.63 (117.5)	0.20 (5.0)	0.50 (12.7)	5.00 (127.0)	1.50 (38.1)	0.12 (2.9)
6 x 4 (152.4) x (101.6)	6.25 (158.8)	4.15 (105.4)	6.25 (158.8)	3.63 (92.2)	0.20 (5.0)	0.50 (12.7)	4.00 (101.6)	2.50 (63.5)	0.11 (2.8)

>Available for type FS wiring duct only.

See page C1.50 for wiring duct color and size availability.

For tool information refer to www.panduit.com/tools.

B1

Panduct® Type MC Wiring Duct Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.

B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

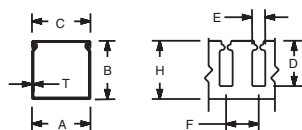
E5

F

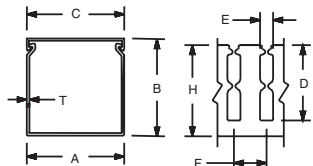
G

H

For 25mm, 37.5mm, and 50mm high duct.



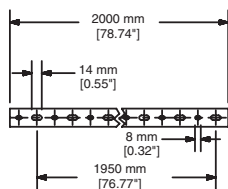
For 62.5mm, 75mm, and 100mm high duct.



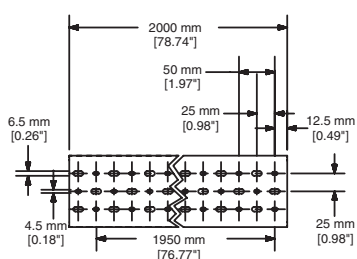
Note: 'A' dimension is measured at base.
Note: 'K' dimension shown in mounting hole dimensions below.

Mounting Hole Dimensions

For 25mm, 37.5mm, and 50mm width duct.



For 75mm and 100mm width duct.



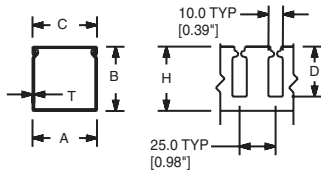
Duct Size (W x H)	Dimensions – mm (Inches)							
	A	B	C	D	E	F	H	T
25 x 25 (0.98) x (0.98)	24.6 (0.97)	23.6 (0.93)	24.6 (0.97)	13.7 (0.54)	5.0 (0.20)	12.5 (0.49)	20.5 (0.81)	1.4 (0.06)
25 x 37.5 (0.98) x (1.48)	24.6 (0.97)	35.8 (1.41)	24.6 (.97)	24.7 (.97)	5.0 (0.20)	12.5 (0.49)	33.0 (1.30)	1.4 (0.06)
25 x 50 (0.98) x (1.97)	24.6 (0.97)	47.8 (1.88)	24.6 (.97)	34.8 (1.37)	5.0 (0.20)	12.5 (0.49)	45.5 (1.79)	1.5 (0.06)
25 x 62.5 (0.98) x (2.46)	24.6 (0.97)	59.7 (2.35)	24.6 (.97)	45.8 (1.80)	5.0 (0.20)	12.5 (0.49)	58.0 (2.28)	1.5 (0.06)
25 x 75 (0.98) x (2.95)	24.6 (0.97)	73.2 (2.88)	24.6 (.97)	57.6 (2.27)	5.0 (0.20)	12.5 (0.49)	70.5 (2.78)	1.7 (0.07)
37.5 x 37.5 (1.48) x (1.48)	37.1 (1.46)	35.8 (1.41)	37.1 (1.46)	24.7 (.97)	5.0 (0.20)	12.5 (0.49)	33.0 (1.30)	1.5 (0.06)
37.5 x 50 (1.48) x (1.97)	37.1 (1.46)	47.8 (1.88)	37.1 (1.46)	34.8 (1.37)	5.0 (0.20)	12.5 (0.49)	45.5 (1.79)	1.7 (0.07)
37.5 x 62.5 (1.48) x (2.46)	37.1 (1.46)	59.7 (2.35)	37.1 (1.46)	45.8 (1.80)	5.0 (0.20)	12.5 (0.49)	58.0 (2.28)	1.7 (0.07)
37.5 x 75 (1.48) x (2.95)	37.1 (1.46)	72.4 (2.85)	37.1 (1.46)	57.6 (2.27)	5.0 (0.20)	12.5 (0.49)	70.5 (2.78)	1.8 (0.07)
50 x 50 (1.97) x (1.97)	49.5 (1.95)	48.0 (1.89)	49.5 (1.95)	34.8 (1.37)	5.0 (0.20)	12.5 (0.49)	45.5 (1.79)	1.7 (0.07)
50 x 75 (1.97) x (2.95)	49.5 (1.95)	72.4 (2.85)	49.5 (1.95)	57.6 (2.27)	5.0 (0.20)	12.5 (0.49)	70.5 (2.78)	1.9 (0.08)
50 x 100 (1.97) x (3.94)	49.5 (1.95)	97.8 (3.85)	49.5 (1.95)	81.0 (3.19)	5.0 (0.20)	12.5 (0.49)	95.5 (3.76)	2.2 (0.09)
62.5 x 62.5 (2.46) x (2.46)	62.0 (2.44)	59.7 (2.35)	62.0 (2.44)	45.8 (1.80)	5.0 (0.20)	12.5 (0.49)	58.0 (2.28)	1.8 (0.07)
75 x 50 (2.95) x (1.97)	74.7 (2.94)	48.0 (1.89)	74.7 (2.94)	34.8 (1.37)	5.0 (0.20)	12.5 (0.49)	45.5 (1.79)	2.0 (0.08)
75 x 62.5 (2.95) x (2.46)	74.7 (2.94)	59.7 (2.35)	74.7 (2.94)	45.8 (1.80)	5.0 (0.20)	12.5 (0.49)	58.0 (2.28)	2.0 (.08)
75 x 75 (2.95) x (2.95)	74.7 (2.94)	73.2 (2.88)	74.7 (2.94)	57.6 (2.27)	5.0 (0.20)	12.5 (0.49)	70.5 (2.78)	2.2 (0.09)
75 x 100 (2.95) x (3.94)	74.7 (2.94)	97.8 (3.85)	74.7 (2.94)	81.0 (3.19)	5.0 (0.20)	12.5 (0.49)	95.5 (3.76)	2.3 (0.09)
100 x 50 (3.94) x (1.97)	99.6 (3.92)	48.0 (1.89)	99.6 (3.92)	34.8 (1.37)	5.0 (0.20)	12.5 (0.49)	45.5 (1.79)	2.0 (0.08)
100 x 75 (3.94) x (2.95)	99.6 (3.92)	73.2 (2.88)	99.6 (3.92)	57.6 (2.27)	5.0 (0.20)	12.5 (0.49)	70.5 (2.78)	2.5 (0.10)
100 x 100 (3.94) x (3.94)	99.6 (3.92)	97.8 (3.85)	99.6 (3.92)	81.0 (3.19)	5.0 (0.20)	12.5 (0.49)	99.5 (3.76)	2.5 (0.10)

For tool information refer to www.panduit.com/tools.

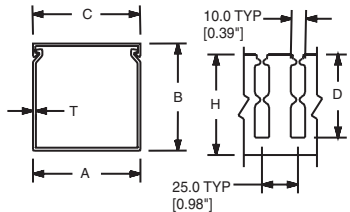
Panduct® Type TNC and Type NNC Wiring Duct Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.

For 25mm, 37.5mm, and 50mm high duct.

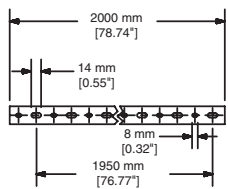


For 75mm and 100mm high duct.

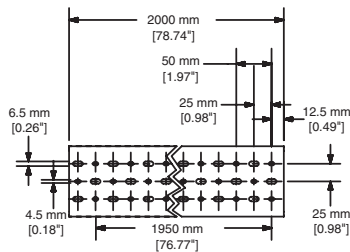


Mounting Hole Dimensions

For 25mm, 37.5mm, and 50mm width duct.



For 75mm and 100mm width duct.



Duct Size (W x H)	Dimensions – mm (Inches)					
	A	B	C	D	H	T
25 x 25 (0.98) x (0.98)	24.6 (0.97)	23.6 (0.93)	24.6 (0.97)	13.6 (0.54)	20.5 (0.81)	1.4 (0.06)
25 x 37 (0.98) x (1.48)	24.6 (0.97)	35.8 (1.41)	24.6 (0.97)	24.6 (0.97)	33.0 (1.30)	1.8 (0.07)
25 x 50 (0.98) x (1.97)	24.6 (0.97)	47.8 (1.88)	24.6 (0.97)	34.8 (1.37)	45.5 (1.79)	2.0 (0.08)
25 x 75 (0.98) x (2.46)	24.6 (0.97)	72.4 (2.85)	24.6 (0.97)	57.6 (2.27)	70.5 (2.78)	2.0 (0.08)
37.5 x 37.5 (1.48) x (1.48)	37.1 (1.46)	35.8 (1.41)	37.1 (1.46)	24.7 (0.97)	33.0 (1.30)	1.8 (0.07)
37.5 x 50 (1.48) x (1.97)	37.1 (1.46)	47.8 (1.88)	37.1 (1.46)	34.8 (1.37)	45.5 (1.79)	2.0 (0.08)
37.5 x 75 (1.48) x (2.95)	37.1 (1.46)	72.4 (2.85)	37.1 (1.46)	57.6 (2.27)	70.5 (2.78)	2.0 (0.08)
50 x 50 (1.97) x (1.97)	49.5 (1.95)	47.8 (1.88)	49.5 (1.95)	34.8 (1.37)	45.5 (1.79)	2.0 (0.08)
50 x 75 (1.97) x (2.95)	49.5 (1.95)	72.4 (2.85)	49.5 (1.95)	57.6 (2.27)	70.5 (2.78)	2.0 (0.08)
50 x 100 (1.97) x (3.94)	49.5 (1.95)	97.8 (3.85)	49.6 (1.95)	81.0 (3.19)	95.5 (3.76)	2.3 (0.09)
75 x 75 (2.95) x (2.95)	74.7 (2.94)	72.4 (2.85)	74.7 (2.94)	57.6 (2.27)	70.5 (2.78)	2.0 (0.08)
100 x 50 (3.94) x (1.97)	99.6 (3.92)	47.8 (1.88)	99.6 (3.92)	34.8 (1.37)	45.5 (1.79)	2.0 (0.08)
100 x 75 (3.94) x (2.95)	99.6 (3.92)	72.4 (2.85)	99.6 (3.92)	57.6 (2.27)	70.5 (2.78)	2.0 (0.08)
100 x 100 (3.94) x (3.94)	99.6 (3.92)	97.8 (3.85)	99.6 (3.92)	81.0 (3.19)	99.5 (3.76)	2.3 (0.09)

> Available in type TNC.

For tool information refer to www.panduit.com/tools.

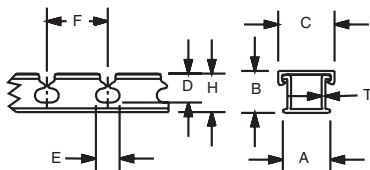
B1

Panduct® Type NE and NS Wiring Duct Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.

B2

For .5" high duct.



B3

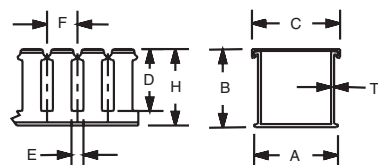
C1

C2

C3

C4

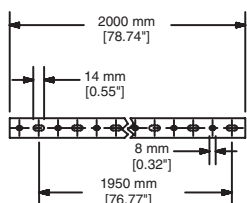
For 1", 1.5", 2", 3",
4" and 5" high duct.



D1

Mounting Hole Dimensions

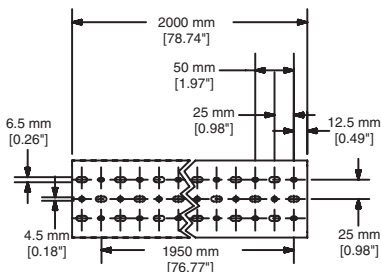
For 25mm, 37.5mm, and 50mm width duct.



D2

D3

For 75mm and 100mm width duct.



E1

E2

E3

E4

E5

F

G

H

Duct Size (W x H) (mm)	Dimensions – Inches (mm)								
	A	B	C	D	E	F	H	K	T
0.5 x 0.5 (12.7) x (12.7)	0.63 (16.0)	0.56 (14.2)	0.69 (17.5)	0.38 (9.7)	0.37 (9.4)	0.80 (20.3)	0.50 (12.7)	ON CENTERLINE	0.05 (1.3)
0.5 x 1 (12.7) x (25.4)	0.63 (16.0)	1.06 (26.9)	0.69 (17.5)	0.75 (19.1)	0.31 (7.9)	0.80 (20.3)	1.00 (25.4)		0.06 (1.5)
1 x 1 (25.4) x (25.4)	1.14 (29.0)	1.06 (26.9)	1.25 (31.8)	0.75 (19.1)	0.31 (7.9)	0.80 (20.3)	1.00 (25.4)		0.06 (1.5)
1 x 1.5 (25.4) x (38.1)	1.14 (29.0)	1.62 (41.1)	1.25 (31.8)	1.20 (30.5)	0.31 (7.9)	0.80 (20.3)	1.50 (38.1)		0.07 (1.8)
1 x 2 (25.4) x (50.8)	1.14 (29.0)	2.06 (52.3)	1.25 (31.8)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)	2.00 (50.8)		0.07 (1.8)
1 x 3 (25.4) x (76.2)	1.14 (29.0)	3.06 (77.7)	1.25 (31.8)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)	3.00 (76.2)		0.07 (1.8)
1 x 4 (25.4) x (101.6)	1.14 (29.0)	4.06 (103.1)	1.25 (31.8)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)	4.00 (101.6)		0.08 (2.0)
1.5 x 1.5 (38.1) x (38.1)	1.64 (41.7)	1.62 (41.1)	1.75 (44.5)	1.20 (30.5)	0.31 (7.9)	0.80 (20.3)	1.50 (38.1)		0.07 (1.8)
1.5 x 2 (38.1) x (50.8)	1.64 (41.7)	2.06 (52.3)	1.75 (44.5)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)	2.00 (50.8)		0.07 (1.8)
1.5 x 3 (38.1) x (76.2)	1.64 (41.7)	3.06 (77.7)	1.75 (44.5)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)	3.00 (76.2)		0.07 (1.8)
1.5 x 4 (38.1) x (101.6)	1.64 (41.7)	4.06 (103.1)	1.75 (44.5)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)	4.00 (101.6)		0.08 (2.0)
2 x 1 (50.8) x (25.4)	2.14 (54.4)	1.08 (27.4)	2.25 (57.2)	.75 (19.1)	0.31 (7.9)	0.80 (20.3)	1.00 (25.4)	0.50 (12.7)	0.06 (1.5)
2 x 2 (50.8) x (50.8)	2.14 (54.4)	2.08 (52.8)	2.25 (57.2)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)	2.00 (50.8)	0.50 (12.7)	0.07 (1.8)
2 x 3 (50.8) x (76.2)	2.14 (54.4)	3.06 (77.7)	2.25 (57.2)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)	3.00 (76.2)	0.50 (12.7)	0.07 (1.8)
2 x 4 (50.8) x (101.6)	2.14 (54.4)	4.06 (103.1)	2.25 (57.2)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)	4.00 (101.6)	0.50 (12.7)	0.08 (2.0)
3 x 1 (76.2) x (25.4)	3.14 (79.8)	1.06 (26.9)	3.25 (82.6)	0.75 (19.1)	0.31 (7.9)	0.80 (20.3)	1.00 (25.4)	1.00 (25.4)	0.06 (1.5)
3 x 2 (76.2) x (50.8)	3.14 (79.8)	2.06 (52.3)	3.25 (82.6)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)	2.00 (50.8)	1.00 (25.4)	0.07 (1.8)
3 x 3 (76.2) x (76.2)	3.14 (79.8)	3.06 (77.7)	3.25 (82.6)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)	3.00 (76.2)	1.00 (25.4)	0.07 (1.8)
3 x 4 (76.2) x (101.6)	3.14 (79.8)	4.06 (103.1)	3.25 (82.6)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.00 (25.4)	0.08 (2.0)
3 x 5 (76.2) x (127.0)	3.14 (79.8)	5.06 (128.5)	3.25 (82.6)	4.63 (117.6)	0.38 (9.7)	1.33 (33.8)	5.00 (127.0)	1.00 (25.4)	0.09 (2.3)
4 x 2 (101.6) x (50.8)	4.14 (105.2)	2.06 (52.3)	4.25 (108.0)	1.63 (41.4)	0.31 (7.9)	.80 (20.3)	2.00 (50.8)	1.50 (38.1)	0.07 (1.8)
4 x 3 (101.6) x (76.2)	4.14 (105.2)	3.06 (77.7)	4.25 (108.0)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)	3.00 (76.2)	1.50 (38.1)	0.07 (1.8)
4 x 4 (101.6) x (101.6)	4.14 (105.2)	4.06 (103.1)	4.25 (108.0)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.50 (38.1)	0.08 (2.0)
4 x 5 (101.6) x (127.0)	4.14 (105.2)	5.06 (128.5)	4.25 (108.0)	4.63 (117.6)	0.38 (9.7)	1.33 (33.8)	5.00 (127.0)	1.50 (38.1)	0.09 (2.3)

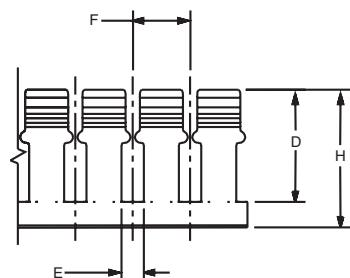
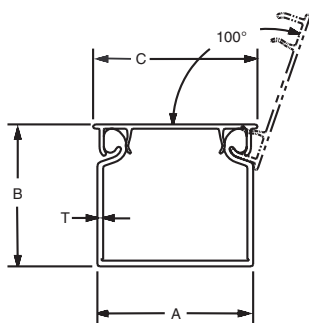
> NS Solid Duct availability.

Note: For type NS wiring duct, no mounting holes is the standard condition.

For tool information refer to www.panduit.com/tools.

Panduct® Type H and HS Wiring Duct Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.



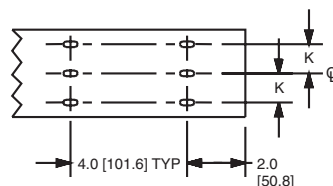
	E	F
For 2" duct height:	0.31" [7.9]	0.80" [20.3]
3" to 4" duct height:	0.31" [7.9]	1.00" [25.4]

Duct Size (W x H)	Dimensions – mm (Inches)								
	A	B	C	D	E	F	H	K	T
1.5 x 2 (38.1) x (50.8)	1.75 (44.5)	1.98 (50.3)	1.89 (48.0)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)	1.92 (48.8)	0.50 (12.7)	0.08 (2.0)
1.5 x 3 (38.1) x (76.2)	1.75 (44.5)	3.06 (77.7)	1.89 (48.0)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)	3.00 (76.2)		0.10 (2.5)
2 x 2 (50.8) x (50.8)	2.17 (55.1)	1.98 (50.3)	2.29 (58.2)	1.57 (39.9)	0.31 (7.9)	.80 (20.3)	1.92 (48.8)	0.50 (12.7)	0.08 (2.0)
2 x 3 (50.8) x (76.2)	2.17 (55.1)	3.06 (77.7)	2.29 (58.2)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)	3.00 (76.2)	0.50 (12.7)	0.10 (2.5)
2 x 4 (50.8) x (101.6)	2.17 (55.1)	4.1 (104.1)	2.29 (58.2)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)	4.00 (101.6)	0.50 (12.7)	0.11 (2.8)
3 x 3 (76.2) x (76.2)	3.25 (82.6)	3.06 (77.7)	3.39 (86.1)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)	3.00 (76.2)	1.00 (25.4)	0.10 (2.5)
3 x 4 (76.2) x (101.6)	3.25 (82.6)	4.1 (104.1)	3.39 (86.1)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.00 (25.4)	0.11 (2.8)
4 x 4 (101.6) x (101.6)	4.25 (108.0)	4.1 (104.1)	4.39 (111.5)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.50 (38.1)	0.11 (2.8)

For tool information refer to www.panduit.com/tools.

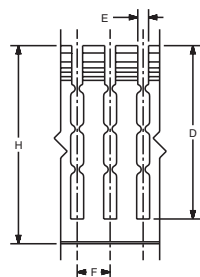
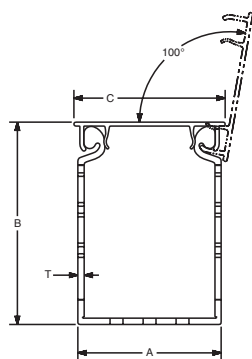
Note: For type HS wiring duct, no mounting holes is the standard condition.

For 2", 3", and 4" wide duct.



Panduct® Type HN Wiring Duct Dimensions

Dimensions are shown for reference only. Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.

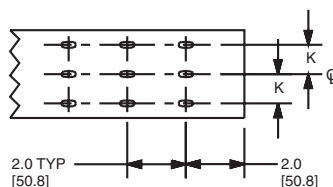


Multiple slot restrictors present with 2" and greater duct wall height.

Duct Size (W x H)	Dimensions – mm (Inches)								
	A	B	C	D	E	F	H	K	T
1.5 x 2 (38.1) x (50.8)	1.75 (44.5)	1.98 (50.3)	1.89 (48.0)	1.55 (39.4)	0.20 (5.0)	0.50 (12.7)	1.92 (48.8)	0.50 (12.7)	0.08 (2.0)
1.5 x 3 (38.1) x (76.2)	1.75 (44.5)	3.06 (77.7)	1.89 (48.0)	2.63 (66.8)	0.20 (5.0)	0.50 (12.7)	3.00 (76.2)		0.10 (2.5)
2 x 2 (50.8) x (50.8)	2.17 (55.1)	1.98 (50.3)	2.29 (58.2)	1.55 (39.4)	0.20 (5.0)	0.50 (12.7)	1.92 (48.8)	0.50 (12.7)	0.08 (2.0)
2 x 3 (50.8) x (76.2)	2.17 (55.1)	3.06 (77.7)	2.29 (58.2)	2.63 (66.8)	0.20 (5.0)	0.50 (12.7)	3.00 (76.2)	0.50 (12.7)	0.10 (2.5)
2 x 4 (50.8) x (101.6)	2.17 (55.1)	4.1 (104.1)	2.29 (58.2)	3.63 (92.2)	0.20 (5.0)	0.50 (12.7)	4.00 (101.6)	0.50 (12.7)	0.11 (2.8)
3 x 3 (76.2) x (76.2)	3.25 (82.6)	3.06 (77.7)	3.39 (86.1)	2.63 (66.8)	0.20 (5.0)	0.50 (12.7)	3.00 (76.2)	1.00 (25.4)	0.10 (2.5)
3 x 4 (76.2) x (101.6)	3.25 (82.6)	4.1 (104.1)	3.39 (86.1)	3.63 (92.2)	0.20 (5.0)	0.50 (12.7)	4.00 (101.6)	1.00 (25.4)	0.11 (2.8)
4 x 4 (101.6) x (101.6)	4.25 (108.0)	4.1 (104.1)	4.39 (111.5)	3.63 (92.2)	0.20 (5.0)	0.50 (12.7)	4.00 (101.6)	1.50 (38.1)	0.11 (2.8)

For tool information refer to www.panduit.com/tools.

For 2", 3", and 4" wide duct.



B1

Panduct® Type FL Wiring Duct Dimensions

Dimensions are shown for reference only.

Dimensions are in mm (in.). Contact Panduit Customer Service at 800-777-3300 for specific dimensional needs.

B2

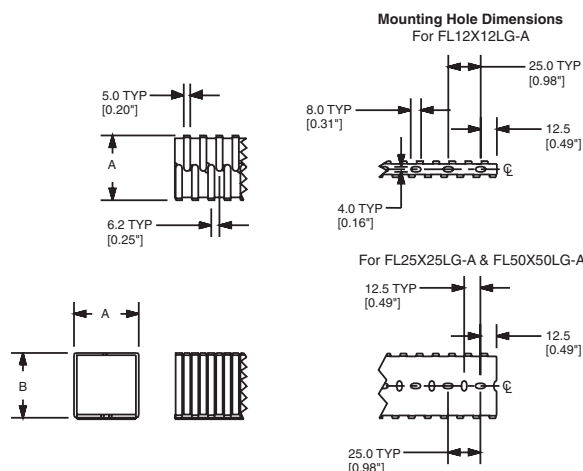
B3

C1

C2

C3

C4



Note: 'B' dimension is without adhesive.

Nominal Duct Size (W x H) mm	Dimensions – mm (In.)	
	A	B
12 x 12 (0.49) x (0.49)	12.5 (0.49)	12.5 (0.49)
25 x 25 (0.98) x (0.98)	25.0 (0.98)	25.0 (0.98)
50 x 50 (1.97) x (1.97)	50.0 (1.97)	50.0 (1.97)

Note: Type FL wiring duct has factory applied adhesive. For 50 x 50 two strips of tape are used; otherwise, only one strip is centered on the part.

Panduct® PanelMax™ DIN Rail Wiring Duct – Wirefill Capacity

Nominal Duct Size (W x H) In.		Nominal Area In. ²	Electrical															Communication				
			8	10	12			14			16			18			22	23		23/24	24	Fiber Cable
			AWG	AWG	AWG			AWG			AWG			AWG			AWG	AWG		AWG	AWG	
			0.216	0.164	0.13	0.141	0.152	0.111	0.124	0.133	0.096	0.111	0.118	0.084	0.100	0.106	0.085	0.298	0.289	0.250	0.187	
				THHN	THHN	THHN	MTW	MTW	THHN	MTW	MTW	TFFN	MTW	MTW	TFFN	MTW	MTW	MTW	Cat. 6A	Cat. 6	Cat. 5e	0.118 3.0 mm
DRD22	6.25 x 2.15	4.760	51	88	140	119	103	193	154	134	258	193	170	337	238	211	329	26	28	38	68	170
DRD33	7.25 x 3.16	6.536	70	121	193	164	141	265	212	184	354	265	234	463	326	290	452	36	39	52	93	234
DRD44	8.25 x 4.16	9.180	98	170	271	230	198	372	298	259	498	372	329	650	459	408	635	51	54	73	131	329

Table shows maximum wirefill per channel based on 50% of duct internal cross sectional area. Formula = internal area/2.00 x D².

Panduct® PanelMax™ Corner Wiring Duct – Wirefill Capacity

Nominal Duct Size (W x H) In.	Area In. ²	Electrical															Communication				
		8 AWG	10 AWG	12 AWG			14 AWG			16 AWG			18 AWG			22 AWG	23 AWG	23/24 AWG	24 AWG	Fiber Cable	
		0.216	0.164	0.13	0.141	0.152	0.111	0.124	0.133	0.096	0.111	0.118	0.084	0.100	0.106	0.085	0.330	0.250	0.190	0.118	
		THHN	THHN	THHN	MTW	MTW	THHN	MTW	MTW	TFFN	MTW	MTW	TFFN	MTW	MTW	MTW	Cat. 6A	Cat. 6	Cat. 5e	3.0 mm	
CWD2	3.4 x 2.6	9.752	104	181	288	245	211	395	317	275	529	395	350	691	487	433	674	54	84	96	349
CWD3	4.4 x 3.6	17.580	188	326	520	442	380	713	571	496	953	713	631	1245	879	782	1216	80	140	243	630
CWD4	5.4 x 4.6	26.920	288	500	796	677	582	1092	875	760	1460	1092	966	1907	1346	1197	1862	123	215	372	964

Table shows maximum wirefill based on 50% of duct internal cross sectional area. Formula = area/2.00 x D².

Panduct® Type H, HN, and HS Wiring Duct – Wirefill Capacity

Nominal Duct Size (W x H) In.	Nominal Area In. ²	Electrical																Communication			
		8 AWG	10 AWG	12 AWG		14 AWG			16 AWG			18 AWG			22 AWG	23 AWG	23/24 AWG	24 AWG	Fiber Cable		
		0.216	0.164	0.13	0.141	0.152	0.111	0.124	0.133	0.096	0.111	0.118	0.084	0.100	0.106	0.085	0.330	0.25	0.190	0.118	
		THHN	THHN	THHN	MTW	MTW	THHN	MTW	MTW	TFFN	MTW	MTW	TFFN	MTW	MTW	MTW	Cat. 6A	Cat. 6	Cat. 5e	3.0 mm	
1.50 x 2.00	3.000	34	60	95	81	70	131	105	91	175	131	116	229	162	144	224	14	25	44	116	
1.50 x 3.00	4.500	52	90	143	122	105	197	158	137	263	197	174	344	243	216	336	22	38	67	174	
2.00 x 2.00	4.000	46	80	127	108	93	175	140	122	234	175	155	306	216	192	299	19	34	59	154	
2.00 x 3.00	6.000	69	120	191	163	140	263	210	183	351	263	232	459	324	288	448	29	51	89	232	
2.00 x 4.00	8.000	92	160	255	217	187	350	281	244	469	350	310	612	432	384	598	39	69	119	309	
3.00 x 3.00	9.000	104	180	287	244	210	394	316	275	527	394	349	689	486	432	673	44	77	134	348	
3.00 x 4.00	12.000	139	241	383	326	280	526	421	366	703	526	465	919	648	577	897	59	103	179	464	
4.00 x 4.00	16.000	185	321	511	435	374	701	562	488	938	701	621	1225	864	769	1197	79	138	239	619	

Table shows maximum wirefill based on 50% of duct internal cross sectional area. Formula = nominal area/1.85 x D². See page C1.50 for wiring duct color and size availability. AWG dimensions represent typical outer cable diameter in inches.

Panduct® Type D, G, F and FS Wiring Duct – Wirefill Capacity

Nominal Duct Size (W x H) In.	Nominal Area In. ²	Electrical															Communication			
		8 AWG	10 AWG	12 AWG			14 AWG			16 AWG			18 AWG			22 AWG	23 AWG	23/24 AWG	24 AWG	Fiber Cable
		0.216	0.164	0.13	0.141	0.152	0.111	0.124	0.133	0.096	0.111	0.118	0.084	0.100	0.106	0.085	0.330	0.25	0.190	0.118
		THHN	THHN	THHN	MTW	MTW	THHN	MTW	MTW	TFFN	MTW	MTW	TFFN	MTW	MTW	MTW	6A	6	5e	3.0 mm
0.50 x 0.50	0.250	3	5	8	7	6	11	9	8	15	11	10	20	14	12	19	1	2	3	10
0.50 x 1.00	0.500	6	10	16	14	12	23	18	16	31	23	20	40	28	25	39	2	4	7	20
0.50 x 2.00	1.000	12	21	33	28	24	46	37	32	62	46	41	80	57	50	79	5	9	15	40
0.75 x 0.75	0.563	6	11	19	16	13	26	20	18	34	26	23	45	32	28	44	2	5	8	23
0.75 x 1.00	0.750	9	15	25	21	18	34	27	24	46	34	30	60	42	38	59	3	6	11	30
0.75 x 1.50	1.125	13	23	38	32	27	52	41	36	69	52	46	91	64	57	88	5	10	17	46
0.75 x 2.00	1.500	18	31	50	43	37	69	55	48	93	69	61	121	85	76	118	7	13	23	61
1.00 x 1.00	1.000	12	21	33	28	24	46	37	32	62	46	41	80	57	50	79	5	9	15	40
1.00 x 1.50	1.500	18	31	50	43	37	69	55	48	93	69	61	121	85	76	118	7	13	23	61
1.00 x 2.00	2.000	24	42	67	57	49	92	74	64	124	92	82	161	114	101	158	10	18	31	81
1.00 x 3.00	3.000	36	63	101	86	74	139	111	96	186	139	123	242	171	152	237	15	27	47	122
1.00 x 4.00	4.000	48	84	135	114	98	185	148	129	248	185	164	323	228	203	316	20	36	63	163
1.50 x 1.00	1.500	18	31	50	43	37	69	55	48	93	69	61	121	85	76	118	7	13	23	61
1.50 x 1.50	2.250	27	47	76	64	55	104	83	72	139	104	92	182	128	114	177	11	20	35	92
1.50 x 2.00	3.000	36	63	101	86	74	139	111	96	186	139	123	242	171	152	237	15	27	47	122
1.50 x 3.00	4.500	55	95	152	129	111	208	167	145	279	208	184	364	257	228	355	23	41	71	184
1.50 x 4.00	6.000	73	127	202	172	148	278	222	193	372	278	246	485	342	305	474	31	54	94	245
2.00 x 1.00	2.000	24	42	67	57	49	92	74	64	124	92	82	161	114	101	158	10	18	31	81
2.00 x 1.50	3.000	36	63	101	86	74	139	111	96	186	139	123	242	171	152	237	15	27	47	122
2.00 x 2.00	4.000	48	84	135	114	98	185	148	129	248	185	164	323	228	203	316	20	36	63	163
2.00 x 3.00	6.000	73	127	202	172	148	278	222	193	372	278	246	485	342	305	474	31	54	94	245
2.00 x 4.00	8.000	97	169	270	229	197	371	297	258	496	371	328	647	457	406	632	41	73	126	327
2.00 x 5.00	10.000	122	212	338	287	247	463	371	323	620	463	410	809	571	508	790	52	91	158	409
2.50 x 3.00	7.500	91	159	253	215	185	347	278	242	465	347	307	607	428	381	593	39	68	118	307
3.00 x 1.00	3.000	36	63	101	86	74	139	111	96	186	139	123	242	171	152	237	15	27	47	122
3.00 x 2.00	6.000	73	127	202	172	148	278	222	193	372	278	246	485	342	305	474	31	54	94	245
3.00 x 3.00	9.000	110	191	304	258	222	417	334	290	558	417	369	728	514	457	711	47	82	142	368
3.00 x 4.00	12.000	146	254	405	344	296	556	445	387	744	556	492	971	685	610	949	62	109	189	491
3.00 x 5.00	15.000	183	318	507	431	370	695	557	484	930	695	615	1214	857	762	1186	78	137	237	614
4.00 x 1.50	6.000	73	127	202	172	148	278	222	193	372	278	246	485	342	305	474	31	54	94	245
4.00 x 2.00	8.000	97	169	270	229	197	371	297	258	496	371	328	647	457	406	632	41	73	126	327
4.00 x 3.00	12.000	146	254	405	344	296	556	445	387	744	556	492	971	685	610	949	62	109	189	491
4.00 x 4.00	16.000	195	339	540	459	395	742	594	516	992	742	656	1295	914	813	1265	83	146	253	655
4.00 x 5.00	20.000	244	424	676	574	494	927	743	646	1240	927	820	1619	1142	1017	1581	104	182	316	819
6.00 x 4.00	24.000	293	509	811	689	593	1113	891	775	1488	1113	984	1943	1371	1220	1898	125	219	379	983

Table shows maximum wirefill based on 50% of duct internal cross sectional area. Formula = nominal area/1.75 x D². See page C1.50 for wiring duct color and size availability. Not all sizes available for each duct type.

AWG dimensions represent typical outer cable diameter in inches.

For tool information refer to www.panduit.com/tools.

B1

B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

E5

F

G

H

Panduct® Types MC, TNC, and NNC Wiring Duct – Wirefill Capacity

Nominal Duct Size (W x H) mm	Nominal Area mm²	Electrical															Communication			
		8 AWG	10 AWG	12 AWG			14 AWG			16 AWG			18 AWG			22 AWG	23 AWG	23/24 AWG	24 AWG	Fiber Cable
		5.5	4.2	3.3	3.6	3.9	2.8	3.1	3.4	2.4	2.8	3.0	2.1	2.5	2.7	2.2	8.4	6.4	4.8	3.0
		THHN	THHN	THHN	MTW	MTW	THHN	MTW	MTW	TFFN	MTW	MTW	TFFN	MTW	MTW	MTW	Cat. 6A	Cat. 6	Cat. 5e	3.0 mm
25 x 25	625	11	20	32	27	23	44	36	31	60	44	39	78	55	49	76	5	8	15	39
25 x 37	925	17	30	48	41	35	66	53	46	88	66	58	116	81	72	113	7	13	22	58
25 x 50	1250	23	41	65	55	47	89	72	62	120	89	79	156	110	98	153	10	17	30	79
25 x 62	1550	29	51	81	69	59	111	89	77	148	111	98	194	137	122	190	12	21	38	98
25 x 75	1875	35	61	98	83	71	134	108	93	180	134	119	235	166	147	229	15	26	46	119
37 x 37	1369	25	45	71	60	52	98	78	68	131	98	87	171	121	107	167	11	19	33	86
37 x 50	1850	35	60	96	82	70	132	106	92	177	132	117	232	163	145	226	15	26	45	117
37 x 62	2294	43	75	120	102	87	164	132	114	220	164	145	287	203	180	281	18	32	56	145
37 x 75	2775	52	91	145	123	106	199	159	138	266	199	176	348	245	218	340	22	39	68	176
50 x 50	2500	47	82	131	111	95	179	144	125	240	179	159	313	221	197	306	20	35	61	158
50 x 75	3750	71	123	196	167	143	269	216	187	360	269	238	470	332	295	459	30	53	92	238
50 x 100	5000	94	164	262	222	191	359	288	250	480	359	318	627	442	394	612	40	70	122	317
62 x 62	3844	72	126	201	171	147	276	221	192	369	276	244	482	340	303	471	31	54	94	244
75 x 50	3750	71	123	196	167	143	269	216	187	360	269	238	470	332	295	459	30	53	92	238
75 x 62	4650	88	153	243	207	178	334	267	232	446	334	295	583	411	366	570	37	65	114	295
75 x 75	5625	106	185	294	250	215	404	324	281	540	404	357	706	498	443	689	45	79	138	357
75 x 100	7500	142	246	393	334	287	539	432	375	720	539	477	941	664	591	919	60	106	184	476
100 x 50	5000	94	164	262	222	191	359	288	250	480	359	318	627	442	394	612	40	70	122	317
100 x 75	7500	142	246	393	334	287	539	432	375	720	539	477	941	664	591	919	60	106	184	476
100 x 100	10000	189	329	524	445	383	718	576	500	961	718	636	1255	885	788	1225	81	141	245	634

Table shows maximum wirefill based on 50% of duct internal cross sectional area. Formula = nominal area/1.75 x D2. See page C1.50 for wiring duct color and size availability. Not all sizes available for each duct type.
 AWG dimensions represent typical outer cable diameter in millimeters.
 For tool information refer to www.panduit.com/tools.

Panduct® Type NE Wiring Duct – Wirefill Capacity

Nominal Duct Size (W x H) In.	Nominal Area In. ²	Electrical															Communication			
		8 AWG	10 AWG	12 AWG			14 AWG			16 AWG			18 AWG			22 AWG	23 AWG	23/24 AWG	24 AWG	Fiber Cable
		0.216	0.164	0.13	0.141	0.152	0.111	0.124	0.133	0.096	0.111	0.118	0.084	0.100	0.106	0.085	0.330	0.25	0.190	0.118
		THHN	THHN	THHN	MTW	MTW	THHN	MTW	MTW	TFFN	MTW	MTW	TFFN	MTW	MTW	MTW	6A	Cat. 6	Cat. 5e	3.0 mm
0.50 x 0.50	0.250	2	4	7	6	5	10	8	7	13	10	8	17	12	11	17	1	2	3	8
0.50 x 1.00	0.500	5	9	14	12	10	20	16	14	27	20	17	35	25	22	34	2	4	6	17
1.00 x 1.00	1.000	10	18	29	25	21	40	32	28	54	40	35	70	50	44	69	4	8	13	35
1.00 x 1.50	1.500	16	27	44	37	32	60	48	42	81	60	53	106	75	66	103	6	12	20	53
1.00 x 2.00	2.000	21	37	59	50	43	81	65	56	108	81	71	141	100	88	138	9	16	27	71
1.00 x 3.00	3.000	32	55	88	75	64	121	97	84	162	121	107	212	150	133	207	13	24	41	107
1.00 x 4.00	4.000	42	74	118	100	86	162	130	113	217	162	143	283	200	177	276	18	32	55	143
1.50 x 1.50	2.250	24	41	66	56	48	91	73	63	122	91	80	159	112	100	155	10	18	31	80
1.50 x 2.00	3.000	32	55	88	75	64	121	97	84	162	121	107	212	150	133	207	13	24	41	107
1.50 x 3.00	4.500	48	83	133	113	97	182	146	127	244	182	161	318	225	200	311	20	36	62	161
1.50 x 4.00	6.000	64	111	177	150	129	243	195	169	325	243	215	425	300	266	415	27	48	83	215
2.00 x 1.00	2.000	21	37	59	50	43	81	65	56	108	81	71	141	100	88	138	9	16	27	71
2.00 x 2.00	4.000	42	74	118	100	86	162	130	113	217	162	143	283	200	177	276	18	32	55	143
2.00 x 3.00	6.000	64	111	177	150	129	243	195	169	325	243	215	425	300	266	415	27	48	83	215
2.00 x 4.00	8.000	85	148	236	201	173	324	260	226	434	324	287	566	400	355	553	36	64	110	286
3.00 x 1.00	3.000	32	55	88	75	64	121	97	84	162	121	107	212	150	133	205	13	24	41	107
3.00 x 2.00	6.000	64	111	177	150	129	243	195	169	325	243	215	425	300	266	415	27	48	83	215
3.00 x 3.00	9.000	96	167	266	226	194	365	292	254	488	365	323	637	450	400	622	41	72	124	322
3.00 x 4.00	12.000	128	223	355	301	259	486	390	339	651	486	430	850	600	533	830	55	96	166	430
3.00 x 5.00	15.000	160	278	443	377	324	608	487	423	813	608	538	1062	750	667	1038	68	120	207	537
4.00 x 2.00	8.000	85	148	236	201	173	324	260	226	434	324	287	566	400	355	553	36	64	110	286
4.00 x 3.00	12.000	128	223	355	301	259	486	390	339	651	486	430	850	600	533	830	55	96	166	430
4.00 x 4.00	16.000	171	297	473	402	346	649	520	452	868	649	574	1133	800	711	1107	73	128	221	573
4.00 x 5.00	20.000	214	371	591	502	432	811	650	565	1085	811	718	1417	1000	889	1384	91	160	277	716

Table shows maximum wirefill based on 50% of duct internal cross sectional area. Formula = nominal area/2.00 x D2.

AWG dimensions represent typical outer cable diameter in inches.

For tool information refer to www.panduit.com/tools.

Panduct® Type FL Wiring Duct – Wirefill Capacity

Nominal Duct Size (W x H) mm	Nominal Area mm ²	Electrical															Communication			
		8 AWG	10 AWG	12 AWG			14 AWG			16 AWG			18 AWG			22 AWG	23 AWG	23/24 AWG	24 AWG	Fiber Cable
		5.5	4.2	3.3	3.6	3.9	2.8	3.1	3.4	2.4	2.8	3.0	2.1	2.5	2.7	2.2	8.4	6.4	4.8	3.0
		THHN	THHN	THHN	MTW	MTW	THHN	MTW	MTW	TFFN	MTW	MTW	TFFN	MTW	MTW	MTW	6A	Cat. 6	Cat. 5e	3.0 mm
12 x 12	144	1	3	5	4	3	7	5	5	9	7	6	12	8	7	12	0	1	2	6
25 x 25	625	8	14	22	19	16	31	25	21	42	31	27	54	38	34	53	3	6	10	27
50 x 50	2500	33	57	91	77	67	125	100	87	168	125	111	219	155	137	214	14	24	42	111

Table shows maximum wirefill based on 50% of duct internal cross sectional area. Formula = nominal area/2.50 x D2.

AWG dimensions represent typical outer cable diameter in millimeters.

For tool information refer to www.panduit.com/tools.

Wirefill Formula

General Formula

Panduit Wiring Duct wirefills are calculated using the following general formula:

$$50\% \text{ Wirefill} = 50\% \text{ of } \left(\frac{\text{Usable Duct Area}}{\text{Wire Area}} \right)$$

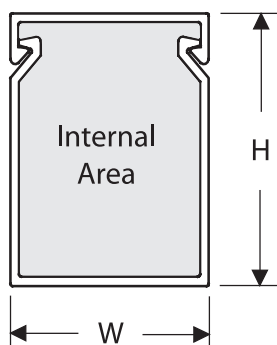
Why use a 50% Wirefill?

As specified in NFPA79-2015 section 13.5.2, *Percentage Fills of Raceways (Ducts)*, a 50% wirefill is given as the maximum wirefill capacity in all Panduit Wiring Ducts. This helps ensure general safe wiring practices are followed. In actual practice, a 50% wirefill is the maximum amount of wiring the duct can hold given the additional airspace created between cables by non-uniform cable shapes, cable interlacing, and cable packing factors.

What is the Usable Duct Area?

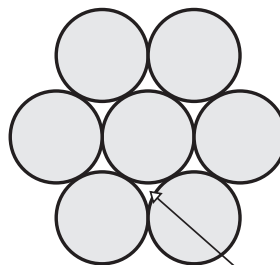
The usable area we define as the calculation of internal area that can be occupied by wires or cables.

Calculation of Internal Area



Since we use the outer channel dimensions in our calculation, we make an adjustment in our formula for the thickness of material and for design elements that extend inside the channel.

Air Space Allotment



In our wirefill formula an adjustment is made to the channel internal area to account for “unused” air space that will be present between cables when placed in the channel. Our formula assumes a uniform close packed or high-density cable arrangement (see diagram) (Note 1).

Considering these factors, the usable duct area is equal to an average of 90% of the nominal area, or $(W \times H) \times 0.90$.

Wire Area

The wire area formula is converted to allow calculation using the cable diameter:

$$\begin{aligned} A_{\text{WIRE}} &= \pi r^2 \\ A_{\text{WIRE}} &= (\pi/4) \times D^2 \\ A_{\text{WIRE}} &= 0.785 \times D^2 \end{aligned}$$

Formula Derivation

Inserting the elements from above into the general formula results in the following:

Simplifying this formula results in the formula used for wirefill calculation (Note 2):

$$50\% \text{ Wirefill} = 0.50 \left(\frac{(W \times H) \times 0.90}{0.785 \times D^2} \right)$$

$$50\% \text{ Wirefill} = \left(\frac{W \times H}{1.75 \times D^2} \right)$$

Note: When calculating wirefill capacity using the above formula, variables W, H, and D must be expressed in same units (i.e. mm or inches).

- 1 This calculation does not account for additional airspace created between cables by non-uniform cable shapes, cable interlacing, and cable packing factors.
- 2 The resulting formula is used for all Panduit flush cover ducts, this excludes type NE duct which has a different profile design that results in a divisor of $2.0 \times D^2$ (rather than $1.75 \times D^2$ as shown here) and all Hinged Wiring Duct: H, HN, HS with a profile design that results in a divisor of $1.85 \times D^2$ and corner wiring duct which uses calculated internal area and a divisor of $2.0 \times D^2$.

Panduct® Wiring Duct Material Specifications

Properties	Units	Test Method	Lead-Free PVC	Halogen-Free PPO (NNC, NE, NS)	Low-Smoke, Halogen-Free PPE + HIPS (TNC)	Polypropylene (FL)
General						
Specific gravity	g/cc	ASTM D 792	1.45	1.09	1.11	0.95
Heat deflection temperature @264 psi	°F	ASTM D 648	156	215	223	117
Thermal expansion	10-5 in/in/°F	ASTM D 696	3.7	3.8		N/A
Thermal conductivity	(BTU-in/hr-ft²)°F	ASTM C 177	1.3	1.3		N/A
Burning Characteristics						
Flammability class	—	UL 94	V-0	V-0	V-0	V-2
Smoke density @ 4 minutes	—	ASTM E 662	538	513	66	N/A
Limited oxygen index (LOI)	—	ASTM D 2863	35	30	28	25
Peak heat release rate	kW/m²	ASTM E 1354	N/A	N/A	N/A	N/A
Hardness						
Durometer hardness	“D”	ASTM D 2240	78	N/A	N/A	N/A
Rockwell hardness	“R”	ASTM D 785	111	116	N/A	N/A
Tensile						
Yield Strength	psi	ASTM D 638	6,200	7,700	8,100	3,770
Modulus	psi		390,000	350,000	355,000	172,000
Flexural						
Yield Strength	psi	ASTM D 790	8,700	11,500	11,500	4,350
Modulus	psi		325,000	340,000	340,000	181,250
Impact strength						
Notched Izod (.125")						
23°C (73°F)	ft-lb/in	ASTM D 256	4.0	5.0	3.7	1.8
0°C (32°F)	ft-lb/in		1.6	2.0	N/A	N/A
Electrical Properties						
Power factor:						
60 Hz @30°C (86°F)	—	ASTM D 150	2.90	N/A	N/A	N/A
1 MHz @30°C (86°F)	—		4.00	N/A	N/A	N/A
Dielectric constant:						
60 Hz @30°C (86°F)	—	ASTM D 150	3.90	N/A	N/A	N/A
1 MHz @30°C (86°F)	—		3.30	N/A	N/A	N/A
Dielectric strength:						
Unconditioned	volts/mil	ASTM D 149	690	N/A	N/A	N/A
Conditioned	volts/mil		700	N/A	N/A	N/A

Note: To the best of our knowledge the above information is accurate.

Panduit assumes no liability for the accuracy or completeness of this information.

For tool information refer to www.panduit.com/tools.

Rigid Polyvinyl Chloride (PVC)

A general purpose lead-free material for indoor applications. It has a UL 94 flame class of V-0 with a UL recognized continuous-use temperature up to 122°F (50°C). Used in the manufacture of the following types of Panduit wiring duct and covers: G, F, D, FS, MC, H, HN, HS, CWD, DRD.

Halogen-Free, Polyphenylene Oxide (PPO)

A special purpose material for use in halogen-free or high-temperature applications. It has a UL 94 flame class of V-0 with a UL recognized continuous-use temperature up to 95°C (203°F) and is 20% lighter than PVC. Used in the manufacture of the following types of Panduit wiring duct and covers: NE, NS and NNC.

Low-Smoke, Halogen-Free, Polyphenylene Ether + High Impact Polystyrene (PPE + HIPS)

A special purpose material for use in low-smoke, halogen-free, and high-temperature applications. It has a UL 94 flame class of V-0 with a UL recognized continuous-use temperature up to 221°F (105°C). Meets the regulatory requirements of the mass transit industry and other applications where fire and public safety are critical; such as in trains, buses, offshore oil and gas platforms, and other similar environments. Used in the manufacture of Type TNC wiring duct and covers.

Polypropylene (PP)

A flexible material with a UL 94 flame class of V-2 with a UL recognized continuous-use temperature up to 65°C (149°F). Used in the manufacture of Type FL flexible wiring duct.

Panduct® Wiring Duct – Color and Size Selection

Duct Size W X H (Inches)	Duct Size W X H (Metric)	LG Light Gray						WH White						BL Black				IB Intrinsic Blue^	IG International Gray
0.5 X 0.5	12 x 12	G	F	FS			FL	G	F	FS	NE								
0.5 X 1		G	F	FS				G	F		NE								
0.5 X 2		G						G											
0.75 X 0.75		G	F	FS				G	F										
0.75 X 1		G						G											
0.75 X 1.5		G	F					G	F										
0.75 X 2		G						G							G				
1 X 1	25 X 25	G	F	FS			NNC FL	G	F	FS	NE			NNC MC	G	F	FS		G F MC
1 X 1.5	25 X 37	G	F	FS			NNC TNC	G	F		NE			NNC MC	G	F			G F MC
1 X 2	25 X 50	G	F	FS	D		NNC	G	F		NE			NNC MC	G	F	D		G F MC
1 X 2.5	25 X 62													MC					MC
1 X 3	25 X 75	G	F	FS	D		NNC TNC	G	F		D NE			NNC MC	G	F	D		G F MC
1 X 4	25 X 100	G	F	FS	D			G	F		D NE				G	F	D		G F
1.5 X 1		G	F	FS				G	F	FS									
1.5 X 1.5	37 X 37	G	F	FS			NNC TNC	G	F	FS	NE			NNC MC	G	F	FS		G F MC
1.5 X 2	37 X 50	G	F	FS	D	H	HN HS	NNC	G	F		NE H	HN HS	NNC MC	G	F	D H HS		G F MC
1.5 X 2.5	37 X 62													MC					MC
1.5 X 3	37 X 75	G	F	FS	D	H	HN HS	NNC TNC	G	F		D NE H	HN HS	NNC MC	G	F	D H HS		G F MC
1.5 X 4		G	F		D			G	F		D NE				G	F	D		G F
2 X 1		G	F	FS				G	F	FS	NE				G	F			
2 X 1.5		G	F	FS				G	F	FS									
2 X 2	50 X 50	G	F	FS	D	H	HN HS	NNC FL TNC	G	F	FS	D NE H	HN HS	NNC MC	G	F	FS	D H HS	G F MC
2 X 3	50 X 75	G	F	FS	D	H	HN HS	NNC	G	F	FS	D NE H	HN HS	NNC MC	G	F	D H HS		G F MC
2 X 4	50 X 100	G	F	FS	D	H	HN HS	NNC	G	F		D NE H	HN HS	NNC MC	G	F	D H HS		G F MC
2 X 5		G	F					G	F									G	
2.5 X 2.5	62 X 62													MC					MC
2.5 X 3		G	F		D			G	F						G				
3 X 1		G	F	FS				G	F	FS	NE								
3 X 2	75 X 50	G	F	FS	D			G	F	FS	NE			MC	G	F	FS		G MC
3 X 2.5	75 X 62													MC					MC
3 X 3	75 X 75	G	F	FS	D	H	HN HS	NNC TNC	G	F	FS	D NE H	HN HS	NNC MC	G	F	FS	D H HS	G F MC
3 X 4	75 X 100	G	F	FS	D	H	HN HS		G	F	FS	D NE H	HN HS	MC	G	F	D H HS		G F MC
3 X 5		G	F	FS				G	F	FS	NE				G	F			G
4 X 1.5		G		FS				G											
4 X 2	100 X 50	G	F	FS	D		NNC TNC	G	F	FS	NE			NNC MC	G	F	D		G MC
4 X 3	100 X 75	G	F	FS	D		NNC TNC	G	F	FS	NE			NNC MC	G	F			G F MC
4 X 4	100 X 100	G	F	FS	D	H	HN HS	NNC	G	F	FS	D NE H	HN HS	NNC MC	G	F	FS	D H HS	G F MC
4 X 5		G	F	FS				G	F		NE				G	F			
6 X 4		G	F	FS				G	F	FS									

^AIntrinsic Blue Color – IB

Intrinsic blue wiring duct is made from the same lead-free PVC material as our standard PVC duct. Intrinsic blue is an internationally recognized standard blue color that identifies the wiring duct as “incapable of releasing sufficient electrical or thermal energy under normal or abnormal conditions to cause ignition of a specific hazardous atmospheric mixture in its most easily ignited concentrations.” *ISA-RD12.6 (Instrument Society of America)

Duct Size W X H (Inches)	Duct Size W X H (Metric)	LG Light Gray		WH White	
3.35 x 2.54*	85.0 x 64.4	CWD		CWD	
4.40 x 3.57*	111.8 x 90.7	CWD		CWD	
5.33 x 4.58*	135.3 x 115.7	CWD		CWD	
6.25 x 2.12**	156.7 x 54.0		DRD		DRD
7.25 x 3.12**	184.1 x 79.4		DRD		DRD
8.25 x 4.12**	209.5 x 104.8		DRD		DRD

* Corner Duct Profile

** DIN Rail Duct Profile

For tool information refer to www.panduit.com/tools.

Installation Tips:**Application of Latex Paint on Panduct® Wiring Duct**

The following is recommended to properly prepare the surface of the wiring duct/raceway and covers for the best adhesion of latex paint:

1. Clean surface with mild soap and water solution or mineral spirits with a clean lint free towel. Allow to dry.
2. Using a sanding pad (such as synthetic stripping pad or medium/fine steel wool), slightly roughen the surface to be painted.
3. Apply a coat of all-purpose 100% acrylic primer and allow to dry.
4. Apply the desired topcoat of latex paint and allow to dry.
5. Install the wiring duct/raceway and covers.

Cutting Wiring Duct and Cover

For small quantities, use the DCT duct cutting tool. For larger quantities use a miter cutting saw blade for clean burr-free cuts. Recommended blade: *Carbide 80T or 100T; 0.090" thickness, 0.125 kerf.*

Recommended Precaution when Using Type TNC, NNC, NE and NS Wiring Duct

Cleaning solvents and cutting fluids that contain any of the following chemical agents should not come in contact with type TNC, type NNC or type NE wiring duct. These chemicals are known to cause stress cracking in the halogen-free materials.

- Hydrocarbons
- Phenols
- Ketones
- Amines
- Ethers
- Organic, inorganic and oxidizing acids
- Petrol

Note: Panduit assumes no liability for the accuracy or completeness of this list.

Please see www.panduit.com for Wiring Duct Chemical Resistance document and acceptable lubricants.

Part Number System for Panduct® Wiring Duct

G	.5	X	.5	LG	6	-A
Type	Nominal Width In. or mm		Nominal Height In. or mm	Color	Length Ft. or m	-A = Adhesive Backed = Without Adhesive (leave blank) NM = No Mounting Holes
G = Wide Slot Flush Design				LG = Light Gray		
F = Narrow Slot Flush Design				WH = White		
FL = Flexible Duct				BL = Black		
FS = Solid Wall Flush Design				IB = Intrinsic Blue		
H = Wide Slot Hinged Design				IG = International Gray		
HN = Narrow Slot Hinged Design						
HS = Solid Wall Hinged Design						
D = Round Hole Flush Design						
NNC = Halogen-Free Design						
NE = Halogen-Free Wide Slot Design						
NS = Halogen-Free Solid Wall Design						
MC = Metric Narrow Slot Design						
TNC = Low-Smoke, Halogen-Free Metric Design						

B1

Part Number System for Panduct® PanelMax™ DIN Rail Wiring Duct**DRD****22****LG****6**

B2

Type**Size****Color****Length**

B3

DRD = DIN Rail Duct

Capability Height

LG = Light

Ft.

22 = 2" Height

Gray

33 = 3" Height

WH = White

44 = 4" Height

C1

C2

Part Number System for Panduct® PanelMax™ Corner Wiring Duct**CWD****3****LG****6**

C3

Type**Capability Height****Color****Length**

C4

CWD= Corner Wiring Duct

2 = 2" Height

LG = Light

Ft.

3 = 3" Height

Gray

4 = 4" Height

WH = White

D1

D2

D3

E1

E2

E3

E4

E5

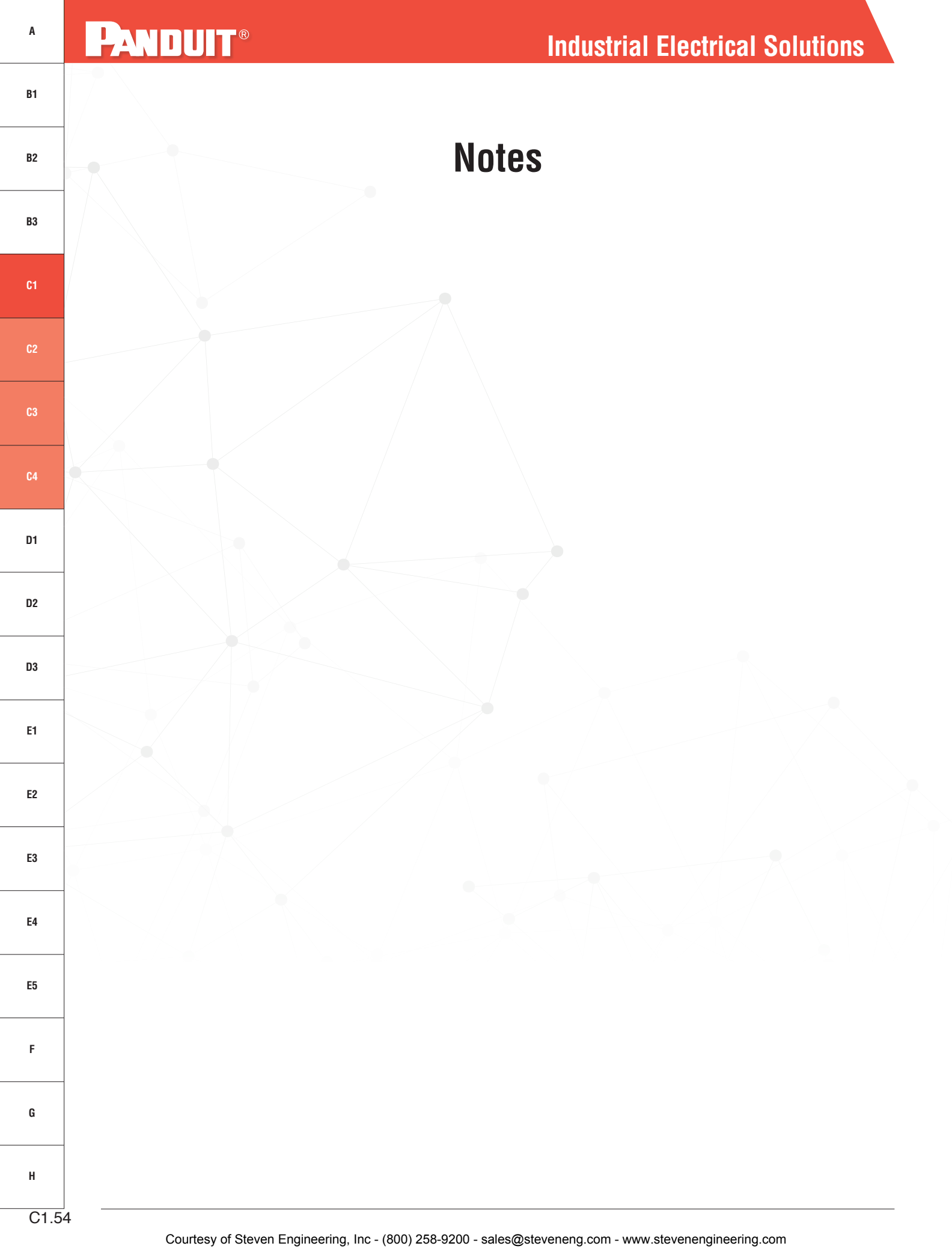
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G

H

Panduit Wiring Duct Approvals and Compliances

Agency Mark	Agency	Requirement	Classification/Performance	Wiring Duct Types/Products
	Underwriters Laboratories, Inc. File No. E147128	UL 1565	Material Flame Class V-0 Continuous-use temperature up to 50°C (122°F)	All wiring duct types and covers
		UL 1565 CSA C22.2 No. 18.5-13	Material Flame Class V-0 Continuous-use temperature up to 50°C (122°F)	Type H, HS, HN, and DRD
	Underwriters Laboratories, Inc.	UL 508 Section 15	An insulating barrier material shall comply with the minimum material properties indicated in Table 15.1	PVC divider walls
		UL 508 Sections 34 and 181	Qualifies as a metal barrier with required thickness as indicated in Table 6.1	SD*EMI metal barrier
	Canadian Standards Association File No. 016446	CSA C22.2 No. 18.5-13	Material Flame Class V-0 Continuous-use temperature up to 50°C (122°F)	All wiring duct types and covers
	European Union	Low Voltage Directive 2014/35/EU	• CDS (cable ducting system for impact 2 J) • Minimum storage, transport, installation, and application temperature: -5°C (23°F) • Maximum application temperature: 60°C (140°F) • Non-flame propagating • Without electrical continuity • Cover removable without a tool	H, HS, G, F, D, MC, FS, NNC, NE, DRD, and TNC
		EN 50085-1 EN 50085-2-3		
		EN 45545-2	Type NNC and Type NE: Exterior (R23) - HL1 Type TNC: Interior (R22)- HL2 & Exterior (R23) - HL2	NNC, NE and TNC
	DIN German Institute for Standardization	DIN 43659	• Specifies dimensions for slotted trunkings used in electrical switch-gear assemblies and that conform to DIN VDE 060 Part 506 • Channel mounting hole pattern, slot dimensions, pitch, and location • Distance from first to last like-size mounting hole • Minimum overall product length	MC, NNC, and TNC
		DIN 5510-2 DIN 54837	Burning Class: S4 Smoke Class: SR2 Dripping Class: ST2	TNC
	AFNOR French Association of Normalization	NF F 16-101 NF F 16-102	Type NNC Wiring Duct Classification = F3/I4 Type TNC Wiring Duct Classification = F1/I4	NNC and TNC
	UNIFER Italian Railway Standards	EN ISO 11925-2	Pass 30-second flame application	TNC
	FRA – Federal Railroad Administration	49 CFR Part 238	Surface Flammability: < 35 Smoke Density Ds (1.5) < 100 Ds (4.0) < 200	TNC
	NFPA – National Fire Protection Association	NFPA130		
	National Fire Protection Association	NFPA 79-2015, Section 13.3.1 IEC 60332-1	Non-metallic duct shall be permitted (inside enclosures) only when they are made with a flame-retardant material; flame-retardant material is defined in the standard by the IEC 60332-1 test method	All wiring duct types and covers (except FL)
		NFPA 79-2015, Section 13.5.2	Panduit publishes a maximum percentage wire fill for common wire types equal to 50% of the interior cross-sectional area of the wiring duct	All wiring duct types and covers
		NFPA 79-2015, section 13.1.6.9	Panduit bend radius control accessories can be mounted at right angles and T junctions created using wiring duct in order to maintain cable bend radius control	Corner strip with 1" bend radius control
	European Union	European Union Directive 2011/65/EU.	Meets the requirements on the Restriction of Hazardous Substances and is free of the six substances listed in the directive	All wiring duct products



A

B1

B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

E5

F

G

H

C1.54

PANDUIT®

Industrial Electrical Solutions

Notes

Surface Raceway

Pan-Way® Non-Metallic Surface Raceway is available in single-channel and multi-channel versions, providing maximum flexibility for routing, protecting and terminating high-performance copper, fiber optic and power cabling. All single-channel and multi-channel raceways offer a full complement of standard and/or power rated fittings and fully compliant bend radius control fittings to insure maximum cable performance.

The single-channel raceway includes LD, LDS, AND LDPH Raceway which are available in low voltage and/or power rated versions.

Single-Channel includes:

- **LD – a one-piece single-channel design for data routing only**
- **LDS – a solid one-piece single-channel design for power or data routing**
- **LDPH – a tamper resistant two-piece latching design supplied with adhesive**

The multi-channel raceway includes LD2P10, T-45, T-70, TG-70, Twin-70, Cove, and Above Floor Raceway. All multi-channel raceways provide solutions for routing power and data cabling, offer 1 inch bend radius control fittings and accept NEMA standard 70mm faceplates for multiple termination options.

Multi-Channel includes:

- **LD2P10 – a one-piece multi-channel design for both power and data applications**
- **T-45, T-70, TG-70, Twin-70 – a two-piece multi-channel design for both power and data applications**
- **Cove – a specialized raceway designed to route power and data in corners**
- **Above Floor – a low-profile raceway designed for power, data, and Audio Video systems**

Panduit® Pan-Way® Surface Raceways are part of the Panduit Enterprise Solution and offer ease of installation, modification and additions for safe and secure routing integration within the Enterprise and Data Center infrastructure at the lowest installed cost.

A

B1

LD Raceway Roadmap

B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

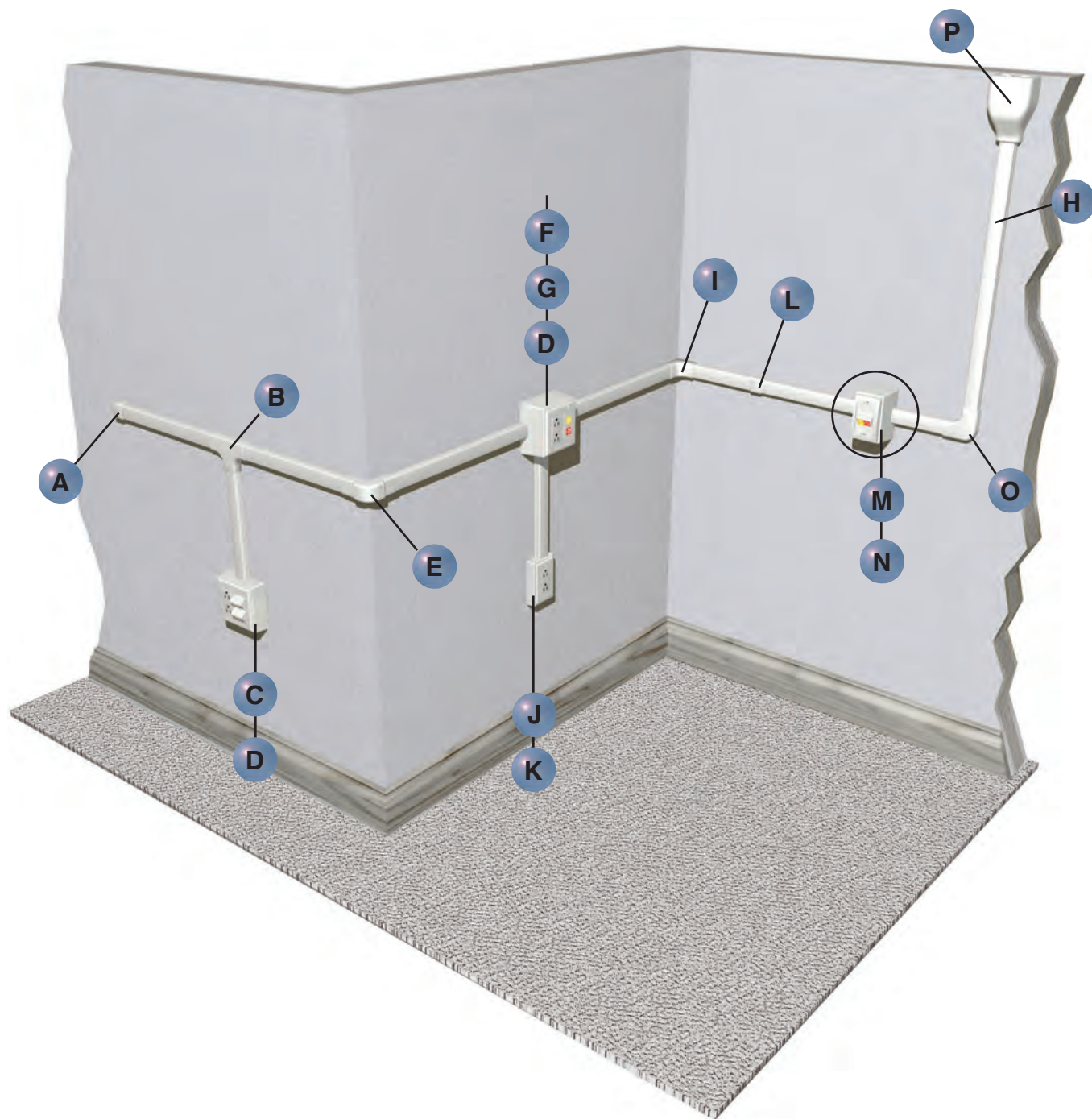
E5

F

G

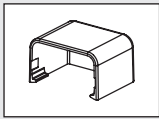
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C2.2

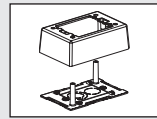


Order number of pieces required, in multiples of Standard Package Quantity.

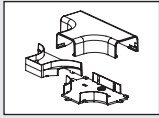
Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



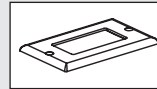
A ECFX10IW – Power Rated End Cap Fitting (page C2.7)



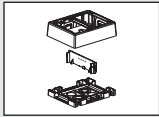
J JBP1IW – Power Rated Single Gang Two-Piece Box*



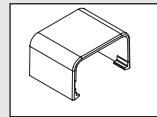
B TFXD10IW – One Inch Bend Radius Tee Fitting (page C2.8)



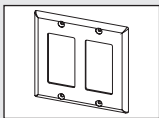
K CPGIW – Single Gang Rectangular Screw-On Faceplate*



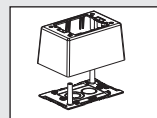
C JBP2SIW – Power Rated Double Gang Two-Piece Divided Box*



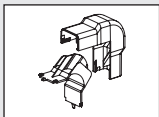
L CFX10IW – Power Rated Coupler Fitting (page C2.7, C2.8)



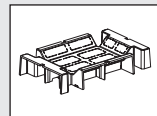
D CPGIW-2G – Double Gang Rectangular Screw-On Faceplate*



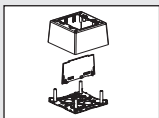
M JBP1DIW – Single Gang Two-Piece Deep Box*



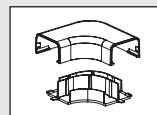
E OCFX10IW – One Inch Bend Radius Outside Corner Fitting (page C2.6)



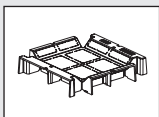
N JBD1 – Single Gang Pass Through Divider for LD2P10 Raceway*



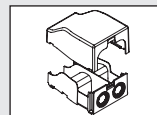
F JBP2DIW – Power Rated Double Gang Two-Piece Deep Box*



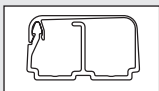
O RAFX10IW – Power Rated Right Angle Fitting (page C2.8)



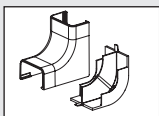
G JBD2 – Double Gang Pass Through Divider for LD2P10 Raceway*



P EEFXIW – Power Rated/One-Inch Bend Radius Entrance End Fitting (page C2.8)



H LD2P10IW – Raceway (page C2.7)



I ICFX10IW – Power Rated Inside Corner Fitting (page C2.7)

*Visit www.panduit.com for part number information.

Cable Fill Capacities for LD Profile Raceway

This information is to be used as a guide in selecting the proper size raceway. The maximum amounts may vary according to the cable installation methods, straightness of cables, etc.



LD3	LD5	LD10
.21 in. ²	.38 in. ²	1.00 in. ²



LDPH3	LDPH5	LDPH10
.17 in. ²	.33 in. ²	.89 in. ²



LD2P10—Left	LD2P10—Right
.43 in. ²	.50 in. ²



LDS3	LDS5
.21 in. ²	.38 in. ²

SPEC = 40% cable fill – The recommended design in cable capacity, leaves room for future moves, adds, and changes.

MAX for Data = 60% cable fill – The maximum cable quantity based on cable interweaving and packing factors.

MAX for Power cable fill – The maximum of electrical cables based on UL temperature rise test.

Raceway Type and Configuration	Fill Area (In. ²)	Electrical Cables			Data Grade Cables		Data Grade Cables		Audio/Video		Fiber Optic Cable	
		14 AWG	12 AWG	10 AWG	23 AWG/UTP		23 AWG/UTP CM		RG6		2 Strand	
		THHN/T90			Category 6 (4-pr.)		Category 6A		Dia. = 0.275		Dia. = 0.175	
		0.111	0.130	0.164	Dia. = 0.240		Dia. = 0.285		Dia. = 0.275		Dia. = 0.175	
		FILL			FILL		FILL		FILL		FILL	
		MAX	MAX	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX	SPEC	MAX
		(UL Temp Rise Test)			(40%)	(60%)	(40%)	(60%)	(40%)	(60%)	(40%)	(60%)
LD3	0.21	—	—	—	1	2	1	1	1	2	3	5
LD5	0.38	—	—	—	3	5	2	3	2	3	6	9
LD10	1.00	—	—	—	8	13	6	9	6	10	16	24
LDPH3	0.17	9	7	4	1	2	1	1	1	1	2	4
LDPH5	0.33	14	12	8	2	4	2	3	2	3	5	8
LDPH10	0.89	18	18	16	7	11	5	8	5	8	14	22
LD2P10 – Left channel	0.43	14	11	8	—	—	—	—	—	—	—	—
LD2P10 – Right channel	0.50	—	—	—	4	6	3	4	3	5	8	12

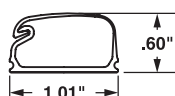
AWG dimensions represent typical outer cable diameter in inches.

Pan-Way® LD Surface Raceway System

- For routing data and low voltage cabling
- One-piece hinged design allows cables to be laid in
- Factory-applied adhesive backing speeds installation
- FT4 rated
- Terminates using surface mount outlet box solutions or Panduit® Mini-Com® Surface Mount Boxes



LD3
Internal Area =
.21 Sq. In.



LD5
Internal Area =
.38 Sq. In.



LD10
Internal Area =
1.00 Sq. In.



LD3

LD5

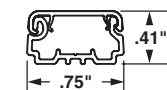
LD10

Part Number			Length Ft.
LD3IW6-A	LD5IW6-A	LD10IW6-A	6
LD3IW8-A	LD5IW8-A	LD10IW8-A	8
LD3IW10-A	LD5IW10-A	LD10IW10-A	10

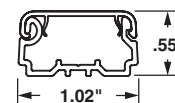
For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).
Order number of feet required in multiples of standard length increments.

c^{UL} US Pan-Way® LDPH Surface Raceway System

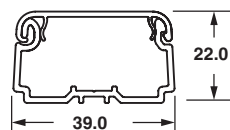
- UL and CSA rated 600 V; meets UL 5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Two-piece hinged design allows cables to be laid in
- Tamper resistant
- Factory-applied adhesive backing speeds installation
- Terminates using surface mount outlet box solutions or Panduit® Mini-Com® Surface Mount Boxes



LDPH3
Internal Area =
.17 Sq. In.



LDPH5
Internal Area =
.33 Sq. In.



LDPH10
Internal Area =
.62 Sq. In.



LDPH3

LDPH5

LDPH10

Part Number			Length Ft.
LDPH3IW6-A	LDPH5IW6-A	LDPH10IW6-A	6
LDPH3IW8-A	LDPH5IW8-A	LDPH10IW8-A	8
LDPH3IW10-A	LDPH5IW10-A	LDPH10IW10-A	10

LDPH raceway requires screw mounting for power cabling applications.
Order number of feet required in multiples of standard length increments.
For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).

Standard Fittings for Low Voltage Applications



CF



RAF



ICF



OCF



TF



ECF



CRFC



DCF



FBA



RF

LD3

LD5

LD10

Part Number			Fitting Type
CF3IW-E	CF5IW-E	CF10IW-X	Coupler
RAF3IW-E	RAF5IW-E	RAF10IW-X	Right Angle
ICF3IW-E	ICF5IW-E	ICF10IW-X	Inside Corner
OCF3IW-E	OCF5IW-E	OCF10IW-X	Outside Corner
TF3IW-E	TF5IW-E	TF10IW-X	Tee
ECF3IW-E	ECF5IW-E	ECF10IW-X	End Cap
–	CRFC5IW-X	–	Cross
DCF3IW-X	DCF5IW-X	DCF10IW-X	Drop Ceiling/ Entrance End
FBA3IW-X	FBA5IW-X	FBA10IW-X	Fire Box Adapter

For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).

Part Number	Reducer Fitting
RF5X3IW-E	From Size LD5 to LD3
RF10X3IW-X	From Size LD10 to LD3
RF10X5IW-X	From Size LD10 to LD3

For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).



One-Inch Bend Radius Fittings for TIA/EIA Compliance

One-inch bend radius fittings are designed to maintain the TIA/EIA-568-B and 569-B required minimum bend radius for high performance copper and fiber optic cabling system.



RAFC



ICFC



OCFX



TFC



CRFC5

LD3 / LDPH3

LD5 / LDPH5

LD10 / LDPH10

Part Number			Fitting Type
RAFC3IW-X	RAFC5IW-X	RAFC10IW-X	Right Angle
ICFC3IW-X	ICFC5IW-X	ICFC10IW-X	Inside Corner
OCFX3IW-X	OCFX5IW-X	OCFX10IW-X	Outside Corner (LDPH Only)
TFC3IW-X	TFC5IW-X	TFC10IW-X	Tee
–	CRFC5IW-X	–	Cross

For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).



Power Rated Fittings up to 600 V — LDPH/LDS/LD2P Raceway Only



LDPH3	LDPH5	LDPH10	
Part Number			Fitting Type
CFX3IW-X	CFX5IW-X	CFX10IW-X	Coupler
RAFX3IW-X	RAFX5IW-X	RAFX10IW-X	Right Angle
ICFX3IW-X	ICFX5IW-X	ICFX10IW-X	Inside Corner
OCFC3IW-X	OCFC5IW-X	OCFC10IW-X	Outside Corner
TFX3IW-X	TFX5IW-X	TFX10IW-X	Tee
ECFX3IW-X	ECFX5IW-X	ECFX10IW-X	End Cap
DCEFXIW-X	DCEFXIW-X	DCEFXIW-X	Drop Ceiling/ Entrance End
CEFXIW-X	CEFXIW-X	CEFXIW-X	Conduit/Entrance End
RAEFXIW-X	RAEFXIW-X	RAEFXIW-X	Right Angle/ Entrance End
—	CRFX5IW-X	—	Cross Fitting

For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).

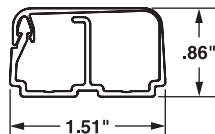
Part Number	Reducer Fitting
RFX53IW-X	From Size LD5 to LD3
RFX103IW-X	From Size LD10 to LD3
RFX105IW-X	From Size LD10 to LD3

For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).



Pan-Way® Type LD2P10 Multi-Channel Surface Raceway System

- UL and CSA rated 600 V; meets UL 5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Routes power and data together
- One-piece hinged design allows cables to be laid in
- Tamper resistant
- Factory-applied adhesive backing speeds installation
- Terminates using JBP1D, JBP2D, JBP2FS or JBP2S surface mount outlet box solutions



Left Internal Area = .43 Sq. In.
Right Internal Area = .50 Sq. In.

Part Number	Raceway Size	Color	Length Ft.	Std. Ctn. Qty.
LD2P10IW8-A	1.52" x.86" (39.0mm x 22.0mm)	Off White	8	160

LD2P raceway requires screw mounting if it is being used for power cabling applications.



Multi-Channel Fittings for LD2P10

Multi-channel fittings for LD2P10 are designed to maintain the TIA/EIA-568-B and 569-B required minimum bend radius for high-performance copper and fiber optic cabling systems.

CFX10

RAFX10

ICFX10

OCFX10

TFXD10

ECFX10

EEFX

Part Number	Part Description	Color	Std. Pkg. Qty.
CFX10IW-X	Coupler fitting for use with LD2P10 raceway.	Off White	10
RAFX10IW-X	Right angle fitting for use with LD2P10 raceway.		
ICFX10IW-X	Inside corner fitting for use with LD2P10 raceway.		
OCFX10IW-X	Outside corner fitting for use with LD2P10 raceway.		
TFXD10IW-X	Tee fitting with divided insert to maintain separation of power and data cabling. For use with LD2P10 raceway.		
ECFX10IW-X	End cap fitting for use with LD2P10 raceway.	Off White	1
EEFXIW	Entrance end fitting for LD2P10 raceway. Breakouts for 1/2" and 3/4" diameter conduit.		

Raceway Adapters for LD Raceway

- Fit into universal breakout of DCEFX or RAEFX fittings
- For use with types LD3, LDPH3, LD5 and LDPH5 raceway

CA3
CA5

Part Number	Part Description	Color	Std. Pkg. Qty.
CA3IW-X	Adapter for use with LD3, LDPH3 raceway.	Off White	10
CA5IW-X	Adapter for use with LD5, LDPH5 raceway.		

For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White).



Pan-Way® T-70 Surface Raceway System

- UL and CSA rated 600 V; meets UL 5A and CSA C22.2 No. 62.1-03 standards; FT4 rated
- Large cable capacity with aesthetically pleasing design
- Tamper resistant

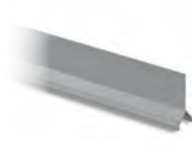
- Compatible with NEMA standard 70mm faceplates or Pan-Way® Classic Series Snap-On Faceplates
- Transitions to Panduit T-45 and LD profile raceway
- Supplied with pre-punched mounting holes



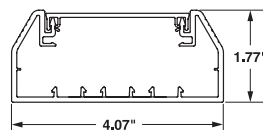
T70B



T70C



T70DW



T-70
Internal Area = 5.15 Sq. In.

Base	Cover	Divider Wall	
Part Number			Length Ft.
T70BIW6	T70CIW6	T70DW6	6
T70BIW8	T70CIW8	T70DW8	8
T70BIW10	T70CIW10	T70DW10	10

For other colors replace IW (Off White) with EI (Electric Ivory).
Twin-70 and TG-70 raceway are available. Refer to www.panduit.com.



Pan-Way® T-70 Raceway Fittings

T-70 fittings are designed to maintain the TIA/EIA-568-B and 569-B required minimum bend radius for high-performance copper and fiber optic cabling systems.



T70CC



T70BC



T70RA



T70IC



T70OC



T70T



T70EC



T70EE

T70TR
T70TRC

T70BF



T70WC



T70WC2



T70BFI



T70TD



T70TRI

Part Number	Part Description	Color‡	Std. Pkg. Qty.	Std. Ctn. Qty.
T70CCIW-X	T-70 cover coupler fitting. Joins cover sections of T-70, Twin-70, and TG-70 raceway cover together.	Off White	10	100
T70BCIW-X	Base coupler fitting. Used to join sections of T-70 raceway base together.		10	10
T70RAIW	Right angle fitting. Used to join sections of T-70 raceway at right angles.		1	10
T70ICIW	Inside corner fitting. Used to join sections of T-70 raceway at inside corners.			
T70OCIW	Outside corner fitting. Used to join sections of T-70 raceway at outside corners.			
T70TIW	Tee fitting. Used to join sections of T-70 raceway at tee intersections.			
T70ECIW	End cap fitting. Used to terminate or allow entry to T-70 raceway with conduit breakouts of 1/2".			
T70EEIW	Entrance end fitting. Conduit breakouts of 1/2", 3/4", 1" and 1 1/4" which allows entry from ceiling or wall.			
T70TRIW	Transition fitting. Used to transition to any LD profile or T-45 raceway while maintaining channel separation. Fitting includes bend radius insert.			
T70TRCIW	Transition fitting cover. Used to transition to any LD profile or T-45 raceway.			
T70BFIW	Backfeed fitting. Allows cable entry through the back of the T-70 raceway.			
T70WCIW	Workstation Outlet Center™ Offset Box for screw-on faceplates. Two-piece box and bracket accept any NEMA standard screw-on faceplate.			
T70WC2IW	Workstation Outlet Center™ Offset Box for Pan-Way® Snap-On Faceplates. Two-piece box and bracket accept any standard electrical outlet. Accepts any Pan-Way® Snap-On Electrical/Communication Faceplates.			
T70BFI	Backfeed fitting insert. Bend radius insert to be used with T70BFIW.	Gray	1	10
T70TD	T-70 tee fitting divider. Separates power and data within tee fitting. Replaces T70TDB, T70TDC, and T70TDT.			
T70TRI	Divided insert for T-70 to LD2P10. Maintains channel separation within T70TRIW fitting.			

‡For other colors replace IW (Off White) with EI (Electric Ivory) or WH (White). Twin-70 and TG-70 raceway are available. Refer to www.panduit.com.



Pan-Way® T-70 Raceway Accessories

T-70 raceway accessories consist of device mounting brackets, snap-on device brackets, hanging boxes and three-sided hanging boxes used to mount NEMA standard single gang electrical outlets and/or communication devices.

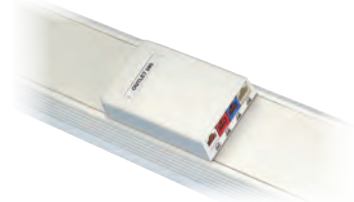


Part Number	Part Description	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
T70DB-X	Device mounting bracket. Used to mount NEMA standard single gang electrical outlets and communication devices with either screw-on or snap-on single gang faceplates. Can be used with T-70, Twin-70, and TG-70 raceway.	Gray	10	—
T70SDB-X	Standard faceplate bracket. Used to mount NEMA standard 70mm single gang screw-on faceplates. Can be used with T-70, Twin-70, TG-70 raceway and Pan-Pole™ Communication Pole.			
T70HB-X	Hanging box. Used to mount NEMA standard single gang electrical outlets and devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway. For use in T-70 and Twin-70 raceway only.			
T70HB3-X	T70 HB3 3-sided hanging box. Used to mount NEMA standard single gang electrical outlets and devices with either screw-on or snap-on single gang faceplates when there are communications cables in the raceway. Box is low profile for increased channel capacity and does not require breakout removal. For use with T-70 and Twin-70 raceway only.			
T70HB3GFCI-X	T70 GFCI 3-sided hanging box. Accepts single gang U.S. GFCI (ground fault circuit interrupter) standard electrical devices. Provides increased internal area for connections and excess wire.	Gray	10	100
T70WR-X	Wire retainer. Holds wires in place during installation.			
T70S-X	Spacer plate. Used to mount the CBX4 surface mount box onto the T70DB-X or T70HB-X/ T70HB3-X.	—	10	—
T70FSB	Fiber spool bracket. Each piece consists of two halves that snap into base of T-70 or Twin-70 raceway. Provides method to contain one meter or more of fiber slack and acts as a strain relief while maintaining a minimum 30mm bend radius. Bracket separation can be adjusted to fit the length of slack required.	Gray	1	10

Twin-70 and TG-70 raceway available. Refer to www.panduit.com.



Use the T70FSB with T-70 or Twin-70 raceway to contain 1m or more of fiber slack while maintaining a 30mm cable bend radius. Brackets are adjustable for slack length.



Use T70S-X spacer plate for mounting the CBX4 surface mount box on T-70 or T702.

A

B1

B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

E5

F

G

H

Notes

Abrasion Protection

Panduit® abrasion protection products provide an economical and easy way to insulate, protect, bundle and color-code components and cable. A wide variety of sizes and materials are available to meet a broad range of indoor and outdoor applications. To help assure optimum quality, Panduit abrasion protection products are designed and manufactured to meet applicable quality standards including International, UL, Military, ISO, and Aerospace.

- **Pan-Wrap™ Split Harness Wrap** features a patented slot pattern to improve flexibility and abrasion protection
- **Spiral wrap** bundles and protects wire and cable while providing the largest variety of colors, materials, and sizes to meet a variety of needs
- **Grommet edging** protects wire and cable from damage caused by sharp panel edges
- **Heat shrink** is available in many different materials and sizes to meet a variety of needs
- **Corrugated loom tubing** is crush, impact, and abrasion resistant to reduce the risk of damage to wire and cable
- **Braided expandable sleeving** provides continuous abrasion resistance and lightweight durable protection, with a flexible open weave that will not trap heat or humidity

Panduit abrasion protection products provide quality at the lowest installed cost. With a continued focus on new product development, Panduit continues to meet customer needs.



Part Number System for Pan-Wrap™

PW	50	F	—	C	20
Type	Outside Diameter	Material		Package Size	Color Suffix
PW = Pan-Wrap™	50 = 1/2"	F = Polyethylene		L = 50' (15.2m)	Leave
	75 = 3/4"	FR = Flame Retardant Polyethylene		C = 100' (30.5m)	Blank = Natural
	100 = 1"			T = 200' (61.0m)	20 = Black
	150 = 1 1/2"				3 = Orange
					4 = Yellow

Pan-Wrap™ Split Harness Wrap



- Patented slot pattern provides improved flexibility and abrasion protection in any application
- Unique wall design provides for easy cable breakouts
- Innovative design maintains uniform bundle protection in dynamic applications
- Considerably reduces installation time
- Large overlap accommodates a wide range of bundle diameters
- Packaged on a reel for easy handling and dispensing of product
- UL File: E141152
- Voltage rating: 600 V

			Length Per Reel		Max. Bundle Diameter		Min. Bundle Diameter‡			Nominal I.D.		Std. Pkg. Qty.*
Part Number	Material	Color	Ft.	m	In.	mm	In.	mm	Temperature Range	In.	mm	
PW50F-T	Polyethylene	Natural	200	61.0	0.55	14.0	0.43	10.9	-40°F – 122°F (-40°C – 50°C)	0.50	12.7	1
PW50F-T20		Black	200	61.0	0.55	14.0	0.43	10.9				
PW50F-T3		Orange	200	61.0	0.55	14.0	0.43	10.9				
PW50F-T4		Yellow	200	61.0	0.55	14.0	0.43	10.9				
PW50FR-TY	Flame Retardant Polyethylene	Natural	200	61.0	0.55	14.0	0.43	10.9	-4°F – 122°F (-20°C – 50°C)	0.50	12.7	
PW50FR-T20Y		Black	200	61.0	0.55	14.0	0.43	10.9				
PW75F-C	Polyethylene	Natural	100	30.5	0.81	20.6	0.55	14.0	-40°F – 122°F (-40°C – 50°C)	0.75	19.1	
PW75F-C20		Black	100	30.5	0.81	20.6	0.55	14.0				
PW75F-C3		Orange	100	30.5	0.81	20.6	0.55	14.0				
PW75F-C4		Yellow	100	30.5	0.81	20.6	0.55	14.0				
PW75FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	0.81	20.6	0.55	14.0	-4°F – 122°F (-20°C – 50°C)	0.75	19.1	
PW75FR-C20Y		Black	100	30.5	0.81	20.6	0.55	14.0				
PW100F-C	Polyethylene	Natural	100	30.5	1.13	28.6	0.81	20.6	-40°F – 122°F (-40°C – 50°C)	1.00	25.4	
PW100F-C20		Black	100	30.5	1.13	28.6	0.81	20.6				
PW100F-C3		Orange	100	30.5	1.13	28.6	0.81	20.6				
PW100F-C4		Yellow	100	30.5	1.13	28.6	0.81	20.6				
PW100FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	1.13	28.6	0.81	20.6	-4°F – 122°F (-20°C – 50°C)	1.00	25.4	
PW100FR-C20Y		Black	100	30.5	1.13	28.6	0.81	20.6				
PW150F-L	Polyethylene	Natural	50	15.2	1.63	41.3	1.13	28.6	-40°F – 122°F (-40°C – 50°C)	1.50	38.1	
PW150F-L20		Black	50	15.2	1.63	41.3	1.13	28.6				
PW150F-L3		Orange	50	15.2	1.63	41.3	1.13	28.6				
PW150F-L4		Yellow	50	15.2	1.63	41.3	1.13	28.6				
PW150FR-LY	Flame Retardant Polyethylene	Natural	50	15.2	1.63	41.3	1.13	28.6	-4°F – 122°F (-20°C – 50°C)	1.50	38.1	
PW150FR-L20Y		Black	50	15.2	1.63	41.3	1.13	28.6				

‡Diameter can be further reduced with the use of Panduit cable ties.

*Order number of reels required.

Pan-Wrap™ Installation Tools

- Patented installation tool with 180° opening allows easy loading of maximum bundle diameters to speed installation, providing the lowest installed cost

- The Pan-Wrap installation tool is designed for use with our Pan-Wrap Split Harness Wrap, Pan-Wrap Braided Sleeving and Corrugated Loom Tubing Products



Part Number	Color	For Use With	Std. Pkg. Qty.**
PWT38	White	Pan-Wrap Braided Sleeving – Size: 1/4" Slit Wall Corrugated Loom Tubing – Size: 3/8"	1
PWT50		Pan-Wrap Split Harness Wrap – Size: 1/2" Pan-Wrap Braided Sleeving – Size: 1/2" Slit Wall Corrugated Loom Tubing – Size: 1/2"	
PWT75		Pan-Wrap Split Harness Wrap – Size: 3/4" Pan-Wrap Braided Sleeving – Size: 3/4" Slit Wall Corrugated Loom Tubing – Size: 3/4"	
PWT100		Pan-Wrap Split Harness Wrap – Size: 1" Pan-Wrap Braided Sleeving – Size: 1" Slit Wall Corrugated Loom Tubing – Size: 1"	
PWT150		Pan-Wrap Split Harness Wrap – Size: 1 1/2" Pan-Wrap Braided Sleeving – Size: 1 1/2" Slit Wall Corrugated Loom Tubing – Size: 1 1/2"	

**Order number of tools required.

Part Number System for Spiral Wrap

T	25	F	—	C	16
Type	Outside Diameter	Material		Package Size	Color Suffix
T = Spiral Wrap	12 = 1/8" 19 = 3/16" 25 = 1/4" 38 = 3/8" 50 = 1/2" 62 = 5/8" 75 = 3/4" 100 = 1"	F = Polyethylene R = Fire Resistant Polyethylene FR = Flame Retardant Polyethylene N = Nylon NZFR = Halogen-Free, Low Smoke, Flame Retardant Nylon T = TFE [^] P = Weather Resistant Polypropylene		X = 10' Q = 25' L = 50' C = 100' T = 200' TL = 250' D = 500' M = 1,000'	See Table Below

Color	Color Suffix	Material Availability						
		Polyethylene	Fire Resistant Polyethylene	Flame Retardant Polyethylene	Nylon 6.6	Halogen-Free Low Smoke Flame Retardant Nylon 6	Weather Resistant Polypropylene	TFE [^]
Natural*	No Suffix Will be Listed	✓	✓	✓	✓			✓
Weather Resistant Black	0	✓			✓		✓	
Brown	1	✓						
Red	2	✓						
Orange	3	✓						
Yellow	4	✓						
Green	5	✓						
Blue	6	✓						
Purple	7	✓						
Gray	8	✓						
White	10	✓						
Pink	16	✓						
Black	20	✓	✓	✓	✓	✓		

[^]TFE is Polytetrafluorethylene material.

*Natural can range from transparent, opaque, to white.

Spiral Wrap



- Harness multiple cables into a single manageable bundle
- Allows breakouts of single/multiple cables
- Provides abrasion protection for wire, cables, hoses, and tubing
- Reverse cut
- Multiple colors allow easy identification of cable bundles
- Installation tool supplied in each package
- Available in multiple materials
- Reusable
- UL File: E141152
- Voltage Rating: 600 V

Part Number	Material*	Color	Length Per Reel†		Bundle Diameter Range		Outside Diameter		Temperature Range	Wall Thickness		Std. Pkg. Qty.
			Ft.	m	In.	mm	In.	mm		In.	mm	
T12F-C	Polyethylene	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 122°F (-40°C – 50°C)	0.030	0.76	1
T12F-D			500	152.4	1/16 – 1/2	1.6 – 12.7	0.12	3.2		0.030	0.76	
T19F-C			100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8		0.035	0.89	
T19F-M	Polyethylene	Natural	1,000	304.8	1/8 – 1	3.2 – 25.4	0.19	4.8	-40°F – 122°F (-40°C – 50°C)	0.035	0.89	
T25F-C			100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-C1	Polyethylene	Brown	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	
T25F-C2		Red	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-C3Y		Orange	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-C4Y		Yellow	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-C5		Green	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-C6		Blue	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-C7		Purple	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-C8		Gray	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-C10		White	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-C16		Pink	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02	
T25F-M	Polyethylene	Natural	1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	
T38F-C			100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5		0.055	1.40	
T38F-TL			250	76.2	5/16 – 3	7.9 – 76.2	0.38	9.5		0.055	1.40	
T50F-X			10	3.1	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C	Polyethylene	Natural	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	
T50F-C1			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C2			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C3Y			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C4Y			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C5			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C6			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C7			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C8			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C10			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-C16	Polyethylene	Natural	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	
T50F-TL			250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T50F-TL4Y			250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52	
T62F-C			100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9		0.062	1.57	
T62F-TL	Polyethylene	Natural	250	76.2	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-40°F – 122°F (-40°C – 50°C)	0.062	1.57	
T75F-C			100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1		0.065	1.65	
T75F-T			200	61.0	5/8 – 5	15.9 – 127.0	0.75	19.1		0.065	1.65	
T100F-C			100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4		0.070	1.78	

*Flame retardant products are manufactured from a material that is rated UL 94V-0.

†Reel packaging may contain splices. Contact Panduit Customer Service for further information.

Continued on next page

Order number of pieces required, in multiples of Standard Package Quantity.

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

Spiral Wrap (continued)

			Length Per Reel‡		Bundle Diameter Range		Outside Diameter			Wall Thickness		Std. Pkg. Qty.								
Part Number	Material*	Color	Ft.	m	In.	mm	In.	mm	Temperature Range	In.	mm									
T12F-C0	Weather Resistant Polyethylene	Black	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 122°F (-40°C – 50°C)	0.030	0.76	1								
T12F-D0			500	152.4	1/16 – 1/2	1.6 – 12.7	0.12	3.2		0.030	0.76									
T19F-C0			100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8		0.035	0.89									
T25F-X0			10	3.1	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02									
T25F-C0			100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02									
T25F-M0			1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02									
T38F-C0			100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5		0.055	1.40									
T38F-TL0			250	76.2	5/16 – 3	7.9 – 76.2	0.38	9.5		0.055	1.40									
T50F-X0			10	3.1	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52									
T50F-C0			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52									
T50F-TL0			250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7		0.060	1.52									
T62F-C0	Weather Resistant Polyethylene	Black	100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-40°F – 122°F (-40°C – 50°C)	0.062	1.57	1								
T62F-TL0			250	76.2						0.062	1.57									
T75F-C0			100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1		0.065	1.65									
T75F-T0			200	61.0						0.065	1.65									
T100F-C0			100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4		0.070	1.78									
T12R-CY	Fire Resistant Polyethylene	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 122°F (-40°C – 50°C)	0.030	0.76	1								
T19R-CY					1/8 – 1	3.2 – 25.4	0.19	4.8		0.035	0.89									
T25R-CY					3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02									
T25R-C20Y		Black	1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4												
T25R-MY		Natural								100	30.5		5/16 – 3	7.9 – 76.2	0.38	9.5	0.055	1.40		
T25R-M20Y		Black	250	76.2																
T38R-CY		Natural	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		-40°F – 122°F (-40°C – 50°C)	0.060		1.52							
T38R-TLY			250	76.2							0.060		1.52							
T50R-CY			100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9			0.062		1.57							
T50R-TLY			250	76.2										5/8 – 5	15.9 – 127.0	0.75	19.1	0.065	1.65	
T62R-CY			100	30.5																7/8 – 6
T75R-CY																				
T100R-CY																				
T12FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-4°F – 122°F (-20°C – 50°C)	0.030	0.76	1								
T12FR-C20Y		Black								1/8 – 1	3.2 – 25.4		0.19	4.8	0.032	0.80				
T19FR-CY		Natural													0.032	0.80				
T19FR-C20Y		Black			3/16 – 2	4.8 – 50.8	0.25	6.4		0.040	1.02									
T25FR-CY		Natural											100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	0.060	1.52
T25FR-C20Y		Black			250	76.2														
T25FR-MY	Flame Retardant Polyethylene	Natural	1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4	-4°F – 122°F (-20°C – 50°C)	0.040	1.02	1								
T25FR-M20Y		Black	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5		0.055	1.40									
T38FR-CY		Natural											100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	0.060	1.52
T38FR-C20Y		Black											250	76.2						
T38FR-TLY		Natural	100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9		0.062	1.57									
T50FR-CY		Black	250	76.2									5/8 – 5	15.9 – 127.0	0.75	19.1	0.065	1.65		
T50FR-C20Y		Natural	100	30.5																
T50FR-TLY		Natural	250	76.2	7/8 – 6	22.2 – 152.4	1.00	25.4		0.070	1.78									
T62FR-CY			Black	100									30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	0.062	1.57	
T62FR-C20Y			Natural																	100
T75FR-CY			Black	200	61.0	7/8 – 6	22.2 – 152.4	1.00		25.4	0.070		1.78							
T75FR-C20Y			Natural	100	30.5															
T75FR-TY		Black	100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4		0.070	1.78									
T100FR-CY	100		30.5																	
T100FR-C20Y																				

*Flame retardant products are manufactured from a material that is rated UL 94V-0.

†Reel packaging may contain splices. Contact Panduit Customer Service for further information.

Continued on next page

B1

B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

E5

F

G

H

B1 Spiral Wrap (continued)

		Color	Length Per Reel†		Bundle Diameter Range		Outside Diameter		Temperature Range	Wall Thickness		Std. Pkg. Qty.
Part Number	Material*		Ft.	m	In.	mm	In.	mm		In.	mm	
T12N-C	Nylon 6.6	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 149°F (-40°C – 65°C)	0.015	0.38	1
T12N-D			500	152.4								
T19N-C			100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8		0.020	0.51	
T19N-M			1,000	304.8								
T25N-C			100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.023	0.58	
T25N-M			1,000	304.8								
T38N-C			100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5		0.030	0.76	
T38N-TL			250	76.2		5/16 – 3						
T50N-C	Nylon 6.6	Natural	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 149°F (-40°C – 65°C)	0.032	0.81	1
T50N-TL			250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7		0.032	0.81	
T62N-C			100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9		0.035	0.89	
T75N-C			100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1		0.040	1.02	
T75N-T			200	61	5/8 – 5	15.9 – 127.0	0.75	19.1		0.040	1.02	
T100N-C			100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4		0.045	1.14	
T12N-C0	Weather Resistant Nylon 6.6	Black	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 149°F (-40°C – 65°C)	0.015	0.38	1
T19N-C0			100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8		0.020	0.51	
T19N-M0			1,000	304.8	1/8 – 1	3.2 – 25.4	0.19	4.8		0.020	0.51	
T25N-M0			1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4		0.023	0.58	
T25N-C0			100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4		0.023	0.58	
T38N-C0			100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5		0.030	0.76	
T50N-C0			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.032	0.81	
T50N-TL0			250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7		0.032	0.81	
T62N-C0			100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9		0.035	0.89	
T75N-C0			100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1		0.040	1.02	
T100N-C0			100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4		0.045	1.14	
T25NZFR-C20	Low Smoke Halogen-Free Flame Retardant Nylon 6	Black	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 149°F (-40°C – 65°C)	0.023	0.58	1
T38NZFR-C20			100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5		0.030	0.76	
T50NZFR-C20			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.032	0.81	
T75NZFR-C20	Low Smoke Halogen-Free Flame Retardant Nylon 6	Black	100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1	-40°F – 149°F (-40°C – 65°C)	0.040	1.02	1
T100NZFR-C20			100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4	-40°F – 239°F (-40°C – 115°C)	0.030	0.76	
T38P-C0	Weather Resistant Polypropylene	Black	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 239°F (-40°C – 115°C)	0.030	0.76	1
T50P-C0			100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7		0.030	0.76	
T100P-C0			100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4		0.030	0.76	
T12T-C	TFE^	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-454°F – 356°F (-270°C – 180°C)	0.020	0.51	1
T19T-C			100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8		0.030	0.76	
T25T-L	TFE^	Black	50	15.2	3/16 – 2	4.8 – 50.8	0.25	6.4		0.030	0.76	
T25T-L0			50	15.2	3/16 – 2	4.8 – 50.8	0.25	6.4		0.030	0.76	
T38T-L	TFE^	Natural	50	15.2	5/16 – 3	7.9 – 76.2	0.38	9.5		0.030	0.76	
T50T-Q			25	7.6	3/8 – 4	9.5 – 101.6	0.50	12.7		0.030	0.76	
T62T-Q			25	7.6	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9		0.030	0.76	
T75T-X			10	3.1	5/8 – 5	15.9 – 127.0	0.75	19.1		0.030	0.76	
T100T-X			10	3.1	7/8 – 6	22.2 – 152.4	1.00	25.4		0.040	1.02	

*Flame retardant products are manufactured from a material that is rated UL 94V-0.

†Reel packaging may contain splices. Contact Panduit Customer Service for further information

^TFE is Polytetrafluorethylene material.

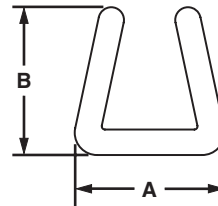
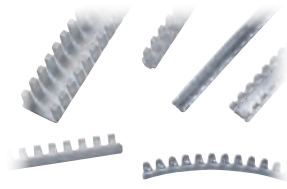
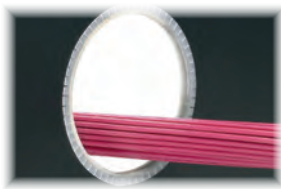
Part Number System for Grommet Edging

GEE	36	F	—	A	—	C	0
Type	Max. Panel Thickness	Material		Adhesive		Package Size	Color Suffix
GE = Grommet Edging Strips	36 = 0.036" thickness	F = Polyethylene		A = Adhesive Lined		Q = 25'	0 = Weather Resistant Black
GEE = Slotted Grommet Edging	62 = 0.062" thickness	N = Nylon 6.6		Leave Blank = Non-Adhesive		L = 50'	Leave Blank = Natural
GES = Solid Grommet Edging	99 = 0.099" thickness	FR = Flame Retardant Polyethylene				C = 100'	
	144 = 0.144" thickness						
	189 = 0.189" thickness						

 Grommet Edging

- Use slotted product on irregularly shaped and round panel holes
- Solid product is used only on straight edges
- Provided in 0.030" (0.8mm) thick material making it highly flexible

- UL File: E351393 (Adhesive Lined and Nylon materials are not UL Recognized)
- Adhesive Lined Grommet Edging: 3 year shelf life



	Width A		Height B		Panel Thickness Range				Temperature Range	Std. Pkg. Qty.
Part Number	In.	mm	In.	mm	In.	mm	Material	Color		
Slotted										
GEE36F-C	0.11	2.7	0.12	3.0	0.026 – 0.036	0.7 – 0.9	Polyethylene	Natural*	-40°F – 122°F (-40°C – 50°C)	1
GEE36F-C0	0.11	2.7	0.12	3.0	0.026 – 0.036	0.7 – 0.9	Weather Resistant Polyethylene	Black		
GEE62F-C	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6	Polyethylene	Natural*		
GEE62F-C0	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6	Weather Resistant Polyethylene	Black		
GEE99F-C	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5	Polyethylene	Natural*		
GEE99F-C0	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5	Weather Resistant Polyethylene	Black		
GEE144F-C	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7	Polyethylene	Natural*		
GEE144F-C0	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7	Weather Resistant Polvethylene	Black		

*Natural color can range from opaque to clear.

Continued on next page

Grommet Edging (continued)

Part Number	Width A		Height B		Panel Thickness Range		Material	Color	Temperature Range	Std. Pkg. Qty.
	In.	mm	In.	mm	In.	mm				

Solid – Use on straight edges only

GES36F-C	0.11	2.7	0.12	3.0	0.026 – 0.036	0.7 – 0.9	Polyethylene	Natural*	-40°F – 122°F (-40°C – 50°C)	1
GES36F-C0	0.11	2.7	0.12	3.0	0.026 – 0.036	0.7 – 0.9	Weather Resistant Polyethylene	Black		
GES62F-C	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6	Polyethylene	Natural*		
GES62F-C0	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6	Weather Resistant Polyethylene	Black		
GES99F-C	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5	Polyethylene	Natural*		
GES99F-C0	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5	Weather Resistant Polyethylene	Black		
GES144F-C	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7	Polyethylene	Natural*		
GES144F-C0	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7	Weather Resistant Polyethylene	Black		
GES189F-C	0.30	7.6	0.30	7.6	0.144 – 0.189	3.7 – 4.8	Polyethylene	Natural*		
GES189F-C0	0.30	7.6	0.30	7.6	0.144 – 0.189	3.7 – 4.8	Weather Resistant Polyethylene	Black		

Slotted Adhesive Lined

GEE62F-A-C	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6	Polyethylene	Natural*	-40°F – 122°F (-40°C – 50°C)	1
GEE62F-A-C0	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6	Weather Resistant Polyethylene	Black		
GEE99F-A-C	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5	Polyethylene	Natural*		
GEE99F-A-C0	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5	Weather Resistant Polyethylene	Black		
GEE144F-A-C	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7	Polyethylene	Natural*		
GEE144F-A-C0	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7	Weather Resistant Polyethylene	Black		

Solid Adhesive Lined – Use on straight edges only

GES62F-A-C	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6	Polyethylene	Natural*	-40°F – 122°F (-40°C – 50°C)	1
GES62F-A-C0	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6	Weather Resistant Polyethylene	Black		
GES99F-A-C	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5	Polyethylene	Natural*		
GES99F-A-C0	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5	Weather Resistant Polyethylene	Black		
GES144F-A-C	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7	Polyethylene	Natural*		
GES144F-A-C0	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7	Weather Resistant Polyethylene	Black		

Slotted Flame Retardant

GEE36FR-CY	0.11	2.7	0.12	3.0	0.026 – 0.036	0.7 – 0.9	Flame Retardant Polyethylene	Natural*	-4°F – 122°F (-20°C – 50°C)	1
GEE62FR-CY	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6				
GEE99FR-CY	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5				
GEE144FR-CY	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7				

*Natural color can range from opaque to clear.

Continued on next page

Order number of pieces required, in multiples of Standard Package Quantity.

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

Grommet Edging (continued)

Part Number	Width A		Height B		Panel Thickness Range		Material	Color	Temperature Range	Std. Pkg. Qty.
	In.	mm	In.	mm	In.	mm				

Solid Flame Retardant – Used on straight edges only

GES36FR-CY	0.11	2.7	0.12	3.0	0.026 – 0.036	0.7 – 0.9	Flame Retardant Polyethylene	Natural*	-4°F – 122°F (-20°C – 50°C)	1
GES62FR-CY	0.13	3.3	0.16	4.1	0.036 – 0.062	0.9 – 1.6				
GES99FR-CY	0.17	4.3	0.19	4.7	0.062 – 0.099	1.6 – 2.5				
GES144FR-CY	0.21	5.4	0.22	5.6	0.099 – 0.144	2.5 – 3.7				

Slotted Nylon

GEE47N-C	0.13	3.2	0.14	3.6	0.039 – 0.055	1.0 – 1.4	Nylon 6	Natural*	-40°F – 149°F (-40°C – 65°C)	1
GEE55N-C	0.13	3.4	0.14	3.6	0.047 – 0.063	1.2 – 1.6				
GEE71N-C	0.15	3.8	0.14	3.6	0.063 – 0.079	1.6 – 2.0				
GEE98N-C	0.18	4.6	0.14	3.6	0.091 – 0.106	2.3 – 2.7				
GEE134N-C	0.21	5.3	0.14	3.6	0.126 – 0.142	3.2 – 3.6				

National Aerospace Standard** NAMS21266 in 12.75" Lengths

GE52-C	0.15	3.8	0.16	3.9	0.015 – 0.052	0.4 – 1.3	Nylon 6.6	Natural*	-40°F – 149°F (-40°C – 65°C)	100
GE52-C69***	0.15	3.8	0.16	3.9	0.015 – 0.052	0.4 – 1.3	Flame Retardant Nylon 6.6		-40°F – 212°F (-40°C – 100°C)	
GE85-C	0.18	4.5	0.16	3.9	0.052 – 0.085	1.3 – 2.2	Nylon 6.6		-40°F – 149°F (-40°C – 65°C)	
GE85-C69***	0.18	4.5	0.16	3.9	0.052 – 0.085	1.3 – 2.2	Flame Retardant Nylon 6.6		-40°F – 212°F (-40°C – 100°C)	
GE128-C	0.22	5.6	0.16	3.9	0.085 – 0.128	2.2 – 3.3	Nylon 6.6		-40°F – 149°F (-40°C – 65°C)	
GE128-C69***	0.22	5.6	0.16	3.9	0.085 – 0.128	2.2 – 3.3	Flame Retardant Nylon 6.6		-40°F – 212°F (-40°C – 100°C)	
GE192-L	0.33	8.3	0.23	5.8	0.128 – 0.192	3.3 – 4.9	Nylon 6.6	Natural*	-40°F – 149°F (-40°C – 65°C)	50
GE192-L69***	0.33	8.3	0.23	5.8	0.128 – 0.192	3.3 – 4.9	Flame Retardant Nylon 6.6		-40°F – 212°F (-40°C – 100°C)	
GE255-L	0.39	9.8	0.24	6.1	0.192 – 0.255	4.9 – 6.5	Nylon 6.6	Natural*	-40°F – 149°F (-40°C – 65°C)	50
GE318-L	0.46	11.3	0.26	6.5	0.255 – 0.318	6.5 – 8.1				
GE380-Q	0.52	13.1	0.26	6.5	0.318 – 0.380	8.1 – 9.7	Nylon 6.6	Natural*	-40°F – 149°F (-40°C – 65°C)	25
GE510-Q	0.64	16.3	0.26	6.5	0.380 – 0.510	9.7 – 13.0				

*Natural color can range from opaque to clear.

**Formerly Military Standard MS21266

***This material is not specified under NASM21266

Part Number System for Corrugated Loom Tubing

CLT

Type

CLT = Slit Wall
CLTS = Solid Wall

100

Bundle Diameter

25 = 1/4"
35 = 5/16"
38 = 3/8"
50 = 1/2"
62 = 5/8"
75 = 3/4"
100 = 1"
125 = 1 1/4"
150 = 1 1/2"
188 = 1 7/8"

N

Material

N = Heat Stabilized
Nylon
F = Polyethylene

—

C

Package Size

X = 10'
L = 50'
C = 100'
T = 200'
3C = 300'
D = 500'
.75M = 750'
125M = 1,250'
2M = 2,000'
2.5M = 2,500'
4M = 4,000'
5M = 5,000'
7M = 7,000'
10M = 10,000'

630

Color Suffix

630 = Heat Stabilized
Black Nylon 6
20 = Black Polyethylene
3 = Orange Polyethylene
4 = Yellow Polyethylene

Corrugated Loom Tubing



- Provides protection for cables
- For use in enclosures or indoors only
- Available in Nylon or Polyethylene, this product features a lengthwise slit which makes it easy to install onto a bundle of wires or a pre-assembled harness assembly
- Abrasion resistant and provides light crush and impact resistance

Part Number	Material	Color	Length Per Reel*		Inside Diameter		Outside Diameter		Temperature Range	Std. Pkg. Qty.
			Ft.	m	In.	mm	In.	mm		
Slit Wall										
CLT25F-C3	Polyethylene	Orange	100	30.5	0.28	7.2	0.40	10.1	-40°F – 122°F (-40°C – 50°C)	1
CLT25F-C4		Yellow	100	30.5	0.28	7.2	0.40	10.1		
CLT25F-C20	Polyethylene	Black	100	30.5	0.28	7.2	0.40	10.1		
CLT25F-10M20			10,000	3048.0	0.28	7.2	0.40	10.1		
CLT35F-C3	Polyethylene	Orange	100	30.5	0.35	8.9	0.50	12.8		
CLT35F-C4		Yellow	100	30.5	0.35	8.9	0.50	12.8		
CLT35F-C20	Polyethylene	Black	100	30.5	0.35	8.9	0.50	12.8		
CLT35F-7M20			7,000	2133.6	0.35	8.9	0.50	12.8		
CLT38F-C3	Polyethylene	Orange	100	30.5	0.39	10.0	0.52	13.3		
CLT38F-C4		Yellow	100	30.5	0.39	10.0	0.52	13.3		
CLT38F-C20	Polyethylene	Black	100	30.5	0.39	10.0	0.52	13.3		
CLT38F-5M20			5,000	1524.0	0.39	10.0	0.52	13.3		
CLT50F-C3	Polyethylene	Orange	100	30.5	0.51	13.0	0.65	16.6		
CLT50F-C4		Yellow	100	30.5	0.51	13.0	0.65	16.6		
CLT50F-C20	Polyethylene	Black	100	30.5	0.51	13.0	0.65	16.6		
CLT50F-4M20			4,000	1219.2	0.51	13.0	0.65	16.6		
CLT62F-C3	Polyethylene	Orange	100	30.5	0.66	16.9	0.85	21.1		
CLT62F-C4		Yellow	100	30.5	0.66	16.9	0.85	21.1		
CLT62F-C20	Polyethylene	Black	100	30.5	0.66	16.9	0.85	21.1		
CLT62F-2.5M20			2,500	762.0	0.66	16.9	0.85	21.1		
CLT75F-C3	Polyethylene	Orange	100	30.5	0.77	19.5	0.94	23.9		
CLT75F-C4		Yellow	100	30.5	0.77	19.5	0.94	23.9		
CLT75F-C20	Polyethylene	Black	100	30.5	0.77	19.5	0.94	23.9		
CLT75F-2M20			2,000	609.6	0.77	19.5	0.94	23.9		

*Reel packaging may contain splices. Contact Panduit Customer Service for further information.

Continued on next page

Corrugated Loom Tubing (continued)

Part Number	Material	Color	Length Per Reel*		Inside Diameter		Outside Diameter		Temperature Range	Std. Pkg. Qty.
			Ft.	m	In.	mm	In.	mm		
CLT100F-X4	Polyethylene	Yellow	10	3.1	0.91	23.2	1.10	28.0	-40°F – 122°F (-40°C – 50°C)	1
CLT100F-C3		Orange	100	30.5	0.91	23.2	1.10	28.0		
CLT100F-C4		Yellow	100	30.5	0.91	23.2	1.10	28.0		
CLT100F-C20	Polyethylene	Black	100	30.5	0.91	23.2	1.10	28.0		
CLT100F-125M20			1,250	381.0	0.91	23.2	1.10	28.0		
CLT125F-L3	Polyethylene	Orange	50	15.2	1.28	32.5	1.54	39.0		
CLT125F-L4		Yellow	50	15.2	1.28	32.5	1.54	39.0		
CLT125F-L20	Polyethylene	Black	50	15.2	1.28	32.5	1.54	39.0		
CLT125F-.75M20			750	228.6	1.28	32.5	1.54	39.0		
CLT150F-X3	Polyethylene	Orange	10	3.1	1.58	40.0	1.85	47.0		
CLT150F-X4		Yellow	10	3.1	1.58	40.0	1.85	47.0		
CLT150F-X20	Polyethylene	Black	10	3.1	1.58	40.0	1.85	47.0		
CLT150F-T20			200	61.0	1.58	40.0	1.85	47.0		
CLT150F-D3	Polyethylene	Orange	500	152.4	1.58	40.0	1.85	47.0		
CLT150F-D4		Yellow	500	152.4	1.58	40.0	1.85	47.0		
CLT150F-D20		Black	500	152.4	1.58	40.0	1.85	47.0		
CLT188F-X3		Orange	10	3.1	1.85	47.0	2.19	55.7		
CLT188F-X4		Yellow	10	3.1	1.85	47.0	2.19	55.7		
CLT188F-X20	Polyethylene	Black	10	3.1	1.85	47.0	2.19	55.7		
CLT188F-C20			100	30.5	1.85	47.0	2.19	55.7		
CLT188F-C3	Polyethylene	Orange	100	30.5	1.85	47.0	2.19	55.7		
CLT188F-C4		Yellow	100	30.5	1.85	47.0	2.19	55.7		
CLT188F-3C20		Black	300	91.4	1.85	47.0	2.19	55.7		

Solid Wall

CLTS25F-C	Polyethylene	Black	100	30.5	0.28	7.2	0.40	10.1	-40°F – 122°F (-40°C – 50°C)	1
CLTS25F-C3		Orange	100	30.5	0.28	7.2	0.40	10.1		
CLTS25F-10M	Polyethylene	Black	10,000	3048.0	0.28	7.2	0.40	10.1		
CLTS35F-C			100	30.5	0.35	8.9	0.50	12.8		
CLTS35F-C3	Polyethylene	Orange	100	30.5	0.35	8.9	0.50	12.8		
CLTS38F-C		Black	100	30.5	0.39	10.0	0.52	13.3		
CLTS38F-C3		Orange	100	30.5	0.39	10.0	0.52	13.3		
CLTS50F-C		Black	100	30.5	0.51	13.0	0.65	16.6		
CLTS50F-C3		Orange	100	30.5	0.51	13.0	0.65	16.6		
CLTS62F-C		Black	100	30.5	0.66	16.9	0.85	21.1		
CLTS62F-C3		Orange	100	30.5	0.66	16.9	0.85	21.1		
CLTS75F-C		Black	100	30.5	0.77	19.5	0.94	23.9		
CLTS75F-C3		Orange	100	30.5	0.77	19.5	0.94	23.9		
CLTS75F-2M	Polyethylene	Black	2,000	609.6	0.77	19.5	0.94	23.9		
CLTS100F-C			100	30.5	0.91	23.2	1.10	28.0		
CLTS100F-C3	Polyethylene	Orange	100	30.5	0.91	23.2	1.10	28.0		
CLTS100F-1.25M	Polyethylene	Black	1,250	381.0	0.91	23.2	1.10	28.0		
CLTS125F-L			50	15.2	1.28	32.5	1.54	39.0		
CLTS125F-L3	Polyethylene	Orange	50	15.2	1.28	32.5	1.54	39.0		
CLTS150F-D		Black	500	152.4	1.58	40.0	1.85	47.0		
CLTS150F-D3		Orange	500	152.4	1.58	40.0	1.85	47.0		

*Reel packaging may contain splices. Contact Panduit Customer Service for further information.

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Corrugated Loom Tubing (continued)

Part Number	Material	Color	Length Per Reel*		Inside Diameter		Outside Diameter		Temperature Range	Std. Pkg. Qty.
			Ft.	m	In.	mm	In.	mm		

Nylon Slit

CLT25N-C630	Heat Stabilized Nylon 6	Black	100	30.5	0.28	7.2	0.40	10.1	-40°F – 230°F (-40°C – 110°C)	1
CLT25N-10M630			10,000	3048.0	0.28	7.2	0.40	10.1		
CLT35N-C630			100	30.5	0.35	8.9	0.50	12.8		
CLT38N-C630			100	30.5	0.39	10.0	0.52	13.3		
CLT38N-5M630			5,000	1524.0	0.39	10.0	0.52	13.3		
CLT50N-C630			100	30.5	0.51	13.0	0.65	16.6		
CLT50N-4M630			4,000	1219.2	0.51	13.0	0.65	16.6		
CLT62N-C630			100	30.5	0.66	16.9	0.85	21.1		
CLT62N-2.5M630	Heat Stabilized Nylon 6	Black	2,500	762.0	0.66	16.9	0.85	21.1		
CLT75N-C630			100	30.5	0.77	19.5	0.94	23.9		
CLT75N-2M630			2,000	609.6	0.77	19.5	0.94	23.9		
CLT100N-C630			100	30.5	0.91	23.2	1.10	28.0		
CLT100N-125M630			1,250	381.0	0.91	23.2	1.10	28.0		
CLT125N-L630			50	15.2	1.28	32.5	1.54	39.0		
CLT125N-.75M630			750	228.6	1.28	32.5	1.54	39.0		
CLT150N-D630			500	152.4	1.58	40.0	1.85	47.0		
CLT188N-3C630			300	91.44	1.85	47.0	2.19	55.7		

Nylon Solid

CLTS25N-C	Heat Stabilized Nylon 6	Black	100	30.5	0.28	7.2	0.40	10.1	-40°F – 230°F (-40°C – 110°C)	1
CLTS25N-10M			10,000	3048.0	0.28	7.2	0.40	10.1		
CLTS35N-C			100	30.5	0.35	8.9	0.50	12.8		
CLTS38N-C			100	30.5	0.39	10.0	0.52	13.3		
CLTS50N-C			100	30.5	0.51	13.0	0.65	16.6		
CLTS62N-C			100	30.5	0.66	16.9	0.85	21.1		
CLTS75N-C			100	30.5	0.77	19.5	0.94	23.9		
CLTS75N-2M			2,000	609.6	0.77	19.5	0.94	23.9		
CLTS100N-C			100	30.5	0.91	23.2	1.10	28.0		
CLTS125N-L			50	15.2	1.28	32.5	1.54	39.0		

*Reel packaging may contain splices. Contact Panduit Customer Service for further information.

Corrugated Loom Tubing Fittings

- Provide a secure way to join CLT at junctions and breakouts while improving the appearance of wire harnesses

- Material: Halogen-Free Polypropylene
- Temperature Range: -22°F - 212°F (-30°C - 100°C)

- Color: Black



Part Number	Branch Diameter		Trunk Diameter		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm		
CF382538F-Q	0.38	9.5	0.25	6.4	25	100
CF502550F-Q	0.50	12.7	0.25	6.4		
CF503850F-Q	0.50	12.7	0.38	9.5		
CF752575F-Q	0.75	19.1	0.25	6.4		
CF753875F-Q	0.75	19.1	0.38	9.5		

Part Number System for Braided Expandable Sleeving

SE	25	PFR	—	M	R	0
Type	Nominal I.D. Size	Material		Package Size		Color Suffix
SE = Sleeving Expandable	12 = 1/8" (3.2mm) 25 = 1/4" (6.4mm) 38 = 3/8" (9.5mm) 50 = 1/2" (12.7mm) 75 = 3/4" (19.1mm) 100 = 1" (25.4mm) 125 = 1 1/4" (31.8mm) 150 = 1 1/2" (38.1mm) 175 = 1 3/4" (44.5mm) 200 = 2" (50.8mm) 250 = 2 1/2" (63.5mm)	P = Polyethylene Terephthalate (PET) PFR = Polyethylene Terephthalate (PET) Flame Retardant PS = Pan-Wrap Braided Sleeving Polyethylene Terephthalate (PET) PSC = Fray Resistant Polyethylene Terephthalate (PET) PSFR = Pan-Wrap Braided Sleeving Flame Retardant Polyethylene Terephthalate (PET)		L = 50' (15.2m) LQ = 75' (22.9m) C = 100' (30.5m) CL = 150' (45.7m) T = 200' (61.0m) 4C = 400' (122.0m) D = 500' (152.4m) M = 1000' (304.8m)	R = Reel	0 = Weather Resistant Black 8 = Gray 10 = White

Braided Expandable Sleeving – Polyethylene Terephthalate (PET)

- Provides continuous abrasion protection for wires, cables, hoses and tubing
- Highly flexible open weave will not trap heat or humidity
- Allows for use with irregular shapes
- Lightweight, durable protection
- Rated for use up to 257°F (125°C)
- Compliant with U.S. and European passenger rail standards
- UL: E116868
- CSA: 227630



Part Number	Color	Nominal I.D.		Nominal Diameter Range		Length per Reel†		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	Ft.	m		
SE12P-TR0	Black	0.12	3.2	0.094 – 0.250	2.4 – 6.4	200	61.0	1	4
SE12P-TR8	Gray	0.12	3.2	0.094 – 0.250	2.4 – 6.4	200	61.0		
SE12P-MR0	Black	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8		2
SE12P-MR10	White	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8		
SE25P-TR0	Black	0.25	6.4	0.125 – 0.375	3.2 – 9.5	200	61.0		4
SE25P-TR8	Gray	0.25	6.4	0.125 – 0.375	3.2 – 9.5	200	61.0		
SE25P-MR0	Black	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8		2
SE25P-MR8	Gray	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8		
SE25P-MR10	White	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8		
SE38P-TR0	Black	0.38	9.5	0.188 – 0.500	4.8 – 12.7	200	61.0		4
SE38P-TR8	Gray	0.38	9.5	0.188 – 0.500	4.8 – 12.7	200	61.0		
SE38P-MR0	Black	0.38	9.5	0.188 – 0.500	4.8 – 12.7	1000	304.8		2
SE38P-MR8	Gray	0.38	9.5	0.188 – 0.500	4.8 – 12.7	1000	304.8		
SE38P-MR10	White	0.38	9.5	0.188 – 0.500	4.8 – 12.7	1000	304.8		
SE50P-CR0	Black	0.50	12.7	0.250 – 0.750	6.4 – 19.1	100	30.5		4
SE50P-CR8	Gray	0.50	12.7	0.250 – 0.750	6.4 – 19.1	100	30.5		
SE50P-DR0	Black	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4		2
SE50P-DR8	Gray	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4		
SE50P-DR10	White	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4		
SE75P-CR0	Black	0.75	19.1	0.500 – 1.25	12.7 – 31.8	100	30.5		4
SE75P-CR8	Gray	0.75	19.1	0.500 – 1.25	12.7 – 31.8	100	30.5		
SE75P-DR0	Black	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4		2
SE75P-DR8	Gray	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4		
SE75P-DR10	White	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4		

†Reel packaging may contain splices. Contact Panduit Customer Service for further information.

Continued on next page

B1



Braided Expandable Sleeving – Polyethylene Terephthalate (PET) (continued)

B2

B3

C1

C2

C3

C4

Part Number	Color	Nominal I.D.		Nominal Diameter Range		Length per Reel‡		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	Ft.	m		
SE125P-LR0	Black	1.25	31.8	0.750 – 1.50	19.1 – 38.1	50	15.2	1	4
SE125P-LR8	Gray	1.25	31.8	0.750 – 1.50	19.1 – 38.1	50	15.2		
SE125P-TR0	Black	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0		2
SE125P-TR8	Gray	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0		
SE125P-TR10	White	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0		4
SE150P-LR0	Black	1.50	38.1	1.00 – 2.13	25.4 – 54.0	50	15.2		
SE150P-LR8	Gray	1.50	38.1	1.00 – 2.13	25.4 – 54.0	50	15.2		2
SE150P-TR0	Black	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0		
SE150P-TR8	Gray	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0		2
SE150P-TR10	White	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0		
SE175P-TR0	Black	1.75	44.5	1.25 – 2.75	31.8 – 69.9	200	61.0		2
SE200P-TR0		2.00	50.8	1.50 – 3.50	38.1 – 88.9	200	61.0		
SE250P-TR0		2.50	63.5	1.75 – 3.64	44.5 – 92.3	200	61.0		

‡Reel packaging may contain splices. Contact Panduit Customer Service for further information.

D1



Braided Expandable Sleeving – Flame Retardant Polyethylene Terephthalate

- Provides continuous abrasion protection for wires, cables, hoses and tubing
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 257°F (125°C)
- Allows for use with irregular shapes
- Flammability: Meets UL 1441 VW-1
- Compliant with U.S. and European passenger rail standards
- UL E116868

D2

D3



E1

E2

E3

E4

E5

F

G

H

Part Number	Color	Nominal I.D.		Nominal Diameter Range		Length per Reel‡		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	Ft.	m		
SE12PFR-TR0	Black	0.12	3.2	0.094 – 0.250	2.4 – 6.4	200	61.0	1	4
SE12PFR-MR0		0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8		2
SE12PFR-TR8	Gray	0.12	3.2	0.094 – 0.250	2.4 – 6.4	200	61.0		4
SE12PFR-MR8	Gray	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8		2
SE12PFR-MR10	White	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8		
SE25PFR-TR0	Black	0.25	6.4	0.125 – 0.375	3.2 – 9.5	200	61.0		4
SE25PFR-MR0		0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8		2
SE25PFR-TR8	Gray	0.25	6.4	0.125 – 0.375	3.2 – 9.5	200	61.0		4
SE25PFR-MR8		0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8		2
SE25PFR-MR10	White	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8		2
SE38PFR-MR0	Black	0.38	9.5	0.188 – 0.500	4.8 – 12.7	1000	304.8		2
SE38PFR-TR0		0.38	9.5	0.188 – 0.500	4.8 – 12.7	200	61.0		4
SE38PFR-TR8	Gray	0.38	9.5	0.188 – 0.500	4.8 – 12.7	200	61.0		4
SE38PFR-MR8		0.38	9.5	0.188 – 0.500	4.8 – 12.7	1000	304.8		2
SE38PFR-MR10	White	0.38	9.5	0.188 – 0.500	4.8 – 12.7	1000	304.8		2
SE50PFR-CR0	Black	0.50	12.7	0.250 – 0.750	6.4 – 19.1	100	30.5	4	4
SE50PFR-CR8	Gray	0.50	12.7	0.250 – 0.750	6.4 – 19.1	100	30.5		
SE50PFR-DR0	Black	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4	2	2
SE50PFR-DR8	Gray	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4		
SE50PFR-DR10	White	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4		
SE75PFR-CR0	Black	0.75	19.1	0.500 – 1.25	12.7 – 31.8	100	30.5	4	4
SE75PFR-CR8	Gray	0.75	19.1	0.500 – 1.25	12.7 – 31.8	100	30.5		

‡Reel packaging may contain splices. Contact Panduit Customer Service for further information.

Continued on next page



Braided Expandable Sleeving – Flame Retardant Polyethylene Terephthalate (continued)

Part Number	Color	Nominal I.D.		Nominal Diameter Range		Length per Reel‡		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	Ft.	m		
SE75PFR-DR0	Black	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4	1	2
SE75PFR-DR8	Gray	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4		
SE75PFR-DR10	White	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4		
SE125PFR-LR0	Black	1.25	31.8	0.750 – 1.50	19.1 – 38.1	50	15.2		4
SE125PFR-LR8	Gray	1.25	31.8	0.750 – 1.50	19.1 – 38.1	50	15.2		
SE125PFR-TR0	Black	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0		2
SE125PFR-TR8	Gray	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0		
SE125PFR-TR10	White	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0		4
SE150PFR-LR0	Black	1.50	38.1	1.00 – 2.13	25.4 – 54.0	50	15.2		
SE150PFR-LR8	Gray	1.50	38.1	1.00 – 2.13	25.4 – 54.0	50	15.2		2
SE150PFR-TR0	Black	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0		
SE150PFR-TR8	Gray	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0		
SE150PFR-TR10	White	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0		
SE175PFR-TR0	Black	1.75	44.5	1.25 – 2.75	31.8 – 69.9	200	61.0		

‡Reel packaging may contain splices. Contact Panduit Customer Service for further information.

Tooling Head

- Sleeving cutter/end sealer blade – used with popular soldering guns to cut and seal sleeving



Part Number	Part Description	Std. Pkg. Qty.
HKBS	For dual straight shank soldering guns with 0.500" spacing typical guns: WELLER Straight Shank Model 8200; WEN Model 199 or 100 (Replace tip holding screws with (2) screws included).	1



Fray Resistant Braided Expandable Sleeving

- Sleeving design resists fraying when cut with scissors
- Provides continuous abrasion protection resistance for wires, cables, and tubing
- Rated for use up to 257°F (125°C)
- Material: Polyethylene Terephthalate
- UL E116868



Part Number	Color	Nominal I.D.		Nominal Diameter Range		Length per Reel‡		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	Ft.	m		
SE12PSC-TR0	Black	0.12	3.2	0.13 – 0.25	3.2 – 6.4	200	61.0	1	4
SE25PSC-TR0		0.25	6.4	0.16 – 0.44	4.0 – 11.1	200	61.0		
SE38PSC-TR0		0.38	9.5	0.19 – 0.63	4.8 – 15.9	200	61.0		
SE50PSC-CR0		0.50	12.7	0.25 – 0.75	6.4 – 19.1	100	30.5		
SE75PSC-CR0		0.75	19.1	0.63 – 1.0	15.9 – 25.4	100	30.5		
SE125PSC-LR0		1.25	31.8	1.0 – 1.5	25.4 – 38.1	50	15.2		
SE150PSC-LR0		1.50	38.1	1.3 – 2.0	31.8 – 50.8	50	15.2		

‡Reel packaging may contain splices. Contact Panduit Customer Service for further information.



Pan-Wrap™ Braided Sleeving

- Split wrap design allows for installation after cable routing is complete, breakouts of single and multiple cables, and addition or removal of cables post-installation
- 25% edge overlap ensures complete coverage without opening
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 257°F (125°C)
- Polyethylene Terephthalate (PET) Flammability: Meets UL 94 V-0
- Flame Retardant Polyethylene Terephthalate (PET) Flammability: Meets UL 1441 VW-1



Part Number	Material	Color	Nominal Size Diameter		Nominal Wall Thickness		Length Per Reel		Std. Pkg. Qty.	Std. Ctn. Qty.
			In.	mm	In.	mm	Ft.	m		
SE12PS-4CR0	Polyethylene Terephthalate (PET)	Black	0.125	3.2	0.024	0.6	400	122.0	1	6
SE25PS-TR0			0.25	6.4	0.025	0.6	200	61.0		
SE50PS-CLR0	Polyethylene Terephthalate (PET)	Black	0.50	12.7	0.025	0.6	150	45.7	1	2
SE75PS-CR0			0.75	19.1	0.025	0.6	100	30.5		
SE100PS-CR0	Polyethylene Terephthalate (PET)	Black	1.00	25.4	0.038	1.0	100	30.5	1	2
SE150PS-LQR0			1.50	38.1	0.038	1.0	75	22.9		
SE12PSFR-4CR0	Flame Retardant Polyethylene Terephthalate (PET)	Black	0.125	3.2	0.024	0.6	400	122.0	1	6
SE25PSFR-TR0			0.25	6.4	0.025	0.6	200	61.0		
SE50PSFR-CLR0	Flame Retardant Polyethylene Terephthalate (PET)	Black	0.50	12.7	0.025	0.6	150	45.7	1	2
SE75PSFR-CR0			0.75	19.1	0.025	0.6	100	30.5		
SE100PSFR-CR0	Flame Retardant Polyethylene Terephthalate (PET)	Black	1.00	25.4	0.038	1.0	100	30.5	1	2
SE150PSFR-LQR0			1.50	38.1	0.038	1.0	75	22.9		

Part Number System for Non-Shrink PVC Tubing

TV105

Type

TV105 = PVC Tubing

12

Nominal Size

12 = 12 AWG 0.38 = 3/8"
 6 = 6 AWG 0.50 = 1/2"
 3 = 3 AWG 0.75 = 3/4"
 1 = 1 AWG 1.0 = 1"

M

Package Quantity

C = 100' (30.5m)
 TL = 250' (76.2m)
 D = 500' (152.4m)
 M = 1000' (304.8m)

Color Suffix

Leave
 Blank = Clear
 20 = Black



Non-Shrink PVC Tubing



- Provides insulation and protection for lead wires, wire harness assemblies, soldered joints and components in electrical and electronic equipment
- All purpose flexible and non-shrinkable
- Resistant to heat and moisture
- Flammability: Meets UL 224 VW-1
- Voltage rating: 300 V and 600 V
- ASTM D-922 Grade CFR
- MIL-I-631 Type F, Form U, Grade C-Class 1 Category 1
- Material: Polyvinyl chloride (PVC)
- UL oil resistant class 1 rating
- Continuous use temperature range: -4°F – 221°F (-20°C – 105°C)
- UL: E122770 (Black and limited sizes in Clear)
- CSA 75192
- 5 year shelf life

Part Number	Color	Nominal Size	Length Per Reel		Max. Inside Diameter		Wall Thickness		Max. Voltage Rating	Std. Pkg. Qty.	Std. Ctn. Qty.
			Ft.	m	In.	mm	In.	mm			
TV105-12MY	Clear	12 AWG	1000	304.8	0.089	2.3	0.016	0.4	300 V	1	2
TV105-12M20Y	Black		1000	304.8	0.089	2.3	0.016	0.4			
TV105-6MY	Clear	6 AWG	1000	304.8	0.178	4.5	0.020	0.5			
TV105-6M20Y	Black		1000	304.8	0.178	4.5	0.020	0.5			
TV105-3MY	Clear	3 AWG	1000	304.8	0.249	6.3	0.020	0.5	300 V	1	—
TV105-3M20Y	Black		1000	304.8	0.249	6.3	0.020	0.5			
TV105-1MY	Clear	1 AWG	1000	304.8	0.311	7.9	0.020	0.5			
TV105-1M20Y	Black		1000	304.8	0.311	7.9	0.020	0.5			
TV105-.38DY	Clear	3/8	500	152.4	0.399	10.1	0.025	0.6	600 V	1	—
TV105-.38D20Y	Black		500	152.4	0.399	10.1	0.025	0.6			
TV105-.50DY	Clear	1/2	500	152.4	0.524	13.3	0.025	0.6			
TV105-.50D20Y	Black		500	152.4	0.524	13.3	0.025	0.6			
TV105-.75TLY	Clear	3/4	250	76.2	0.786	20.0	0.035	0.9	600 V	1	2
TV105-.75TL20Y	Black		250	76.2	0.786	20.0	0.035	0.9			
TV105-1.0CY	Clear	1	100	30.5	1.036	26.3	0.035	0.9			
TV105-1.0C20Y	Black		100	30.5	1.036	26.3	0.035	0.9			

Duct Seal – Sealing Compounds

- Seals irregular openings from air, dust, or water
- Non-hardening sealant that adheres to metal, masonry, wood or plastic
- Provides vibration dampening
- Safe and easy to use, non-corrosive, non-toxic, no asbestos, will not stain or harm hands, and no unpleasant odor
- Dielectric strength: 200 V/Mil, Min 0.030" thick
- Temperature range: -30°F – 210°F (-34°C – 98°C)
- 10 year minimum shelf life
- Indoor use only



Part Number	Part Description	Std. Pkg. Qty.
DS1	Duct seal (sealing compound) 1 lb. package	1
DS5	Duct seal (sealing compound) 5 lb. package	

Abrasion Protection Materials Technical Data

Spiral Wrap

		Ratings and Approvals			Chemical Resistance			
		UL Temperature Index	Flammability (UL 94)	Melting Temperature	Organic Solvents	Alkalies	Acids	Petro-Chemicals
C1	Natural Polyethylene Lowest cost material for indoor use up to 122°F. Natural is available in all sizes.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
C2	Weather Resistant Polyethylene This material has the same properties as natural polyethylene, and also has additives which allow it to resist the effects of ultraviolet light and acid rain in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)				No Discoloration
C3	Fire Resistant Polyethylene* UL94-V-2 Rating. This material is self extinguishing and passes the UL 94 flame retardant test with V-2 rating.	-40°F (-40°C) to 122°F (50°C)	V-2	239°F (115°C)				Some Discoloration
C4	Flame Retardant Polyethylene* UL94-V-0 Rating. This material is self extinguishing and passes the UL94 flame retardant test with a V-0 rating.	-4°F (-20°C) to 122°F (50°C)	V-0	270°F (132°C)	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant Some Discoloration
D1	Weather Resistant Polypropylene This material is resistant to chemical attack and is suitable for harsh environment applications requiring UV/weather resistance and withstanding high temperatures.	-40°F (-40°C) to 239°F (115°C)	HB	334°F (168°C)				Resistant No Discoloration
D2	Nylon 6.6 Nylon is strong, durable material for indoor use up to 149°F. It offers a combination of lightweight, wide temperature range, and high abrasion resistance. This material is suitable for applications where heavy vibration or stress exists on the wiring or tubing.	-40°F (-40°C) to 149°F (65°C)	HB	505°F (263°C)	Resistant except to halogenated hydrocarbons	Resistant	Not recommended	Resistant No Discoloration
D3	Weather Resistant Nylon 6.6 This material has the same properties as natural Nylon and also has additives which allow it to resist the effects of ultraviolet light in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 149°F (65°C)	HB	505°F (263°C)				
E1	TFE‡* This material is a non-flammable, fluorocarbon resin material. Highly resistant to most chemicals, high resistance to UV exposure, wide operating temperature range, can be used in cryogenic applications. Color: Opaque to Translucent.	-454°F (-270°C) to 356°F (180°C)	V-0	648°F (342°C)	Resistant	Resistant	Resistant	Resistant No Discoloration

Pan-Wrap™

E2	Natural Polyethylene Lowest cost material for indoor use up to 122°C. Natural is available in all sizes.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
E3	Flame Retardant Polyethylene* UL94-V-0 Rating. This material is self extinguishing and passes the UL94 flame retardant test with a V-0 rating.	-4°F (-20°C) to 122°F (50°C)	V-0	270°F (132°C)	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant Some Discoloration

Note: Typical operating temperature ranges are extended based on end use application and specific environment tests.

‡TFE is Polytetrafluoroethylene material.

*Contains halogens. Other materials are halogen free.

Continued on next page

Abrasion Protection Materials Technical Data (continued)

Ratings and Approvals			Chemical Resistance			
UL Temperature Index	Flammability (UL 94)	Melting Temperature	Organic Solvents	Alkalies	Acids	Petro-Chemicals

Sleeving

Polyethylene Terephthalate (PET)

This material is a thermoplastic polyester material designed for indoor applications. It is rated for use up to 257°F and will tolerate short-term exposure up to 446°F. Colors: Weather Resistant Black, White and Gray.

Flame Retardant Polyethylene Terephthalate (PET)

This material is a self-extinguishing thermoplastic polyester that can be used indoors. It is also rated for use up to 257°F and will tolerate short term exposure up to 446°F.

It is provided with tracers to identify the flame retardant material.

-94°F (-70°C) to 257°F (125°C)	V-0	500°F (260°C)	Resistant to some solvents	Resistant to most weak bases	Resistant	Some Discoloration
	UL 1441 VW-1	469°F (243°C)				Resistant Some Discoloration

CLT

Black Polyethylene

Lowest cost material is for use up to 122°F. Other colors may be available.

Nylon 6

Nylon is a strong, impact modified, heat stabilized, durable high abrasion resistant material.

-40°F (-40°C) to 122°F (50°C)	HB	—	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant No Discoloration
-40°F (-40°C) to 230°F (110°C)		410°F (211°C)			Not recommended	

CLT Fittings

Black Polypropylene

Lowest cost material is for use up to 212°F. Halogen-Free.

-40°F (-40°C) to 122°F (50°C)	UL94 HB	—	Resistant except to halogenated hydrocarbons	Resistant	Resistant except to oxidizing acids	Resistant Some Discoloration
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PVC

PVC Non-Shrink Tubing*

This material provides insulation and protection for continuous use at temperature -4°F (-20°C) to 221°F (105°C).

-4°F (-20°C) to 221°F (105°C)	UL 224 VW-1 **	—	Resistant except to aromatic hydrocarbons, ketones and esters	Resistant	Resistant	Resistant No Discoloration
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Grommet Edging

Natural Polyethylene

Lowest cost material for indoor use up to 122° F. Natural is available in all sizes.

Weather Resistant Polyethylene

This material has the same properties as natural polyethylene, and also has additives which allow it to resist the effects of ultraviolet light and acid rain in an outdoor environment. This product is available in black only.

Flame Retardant Polyethylene*

UL94-V-0 Rating This material is self-extinguishing and passes the UL94 flame retardant test with a V-0 rating.

Nylon

Nylon is strong, durable, self-extinguishing material for indoor use up to 149°F. It offers a combination of lightweight, wide temperature range, and high abrasion resistance. This material is suitable for applications where heavy vibration or stress exists on the wiring or tubing.

-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
			Resistant below 194°F (90°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	No Discoloration
-4°F (-20°C) to 122°F (50°C)	V-0	270°F (132°C)	Resistant except to phenols and formic acid	Resistant	Resistant to most weak acids	Some Discoloration
-40°F (-40°C) to 149°F (65°C)	V-2	491°F (255°C)				No Discoloration

Note: Typical operating temperature ranges are extended based on end use application and specific environment tests.

*Contains halogens. Other materials are halogen free.

**Limited sizes in Clear

Part Number System for Thin Wall Heat Shrink

HSTT

12

—

48

—

Q

10

Type

Expanded Diameter

Tube Length

Package Quantity

Color

HSTT = Thin Wall

05 = 3/64" (1.2mm)

3 = 3" (76.2mm)

(If Tube
Length Specified)

NONE = Black

HSTTV = Thin Wall VW-1

06 = 1/16" (1.6mm)

6 = 6" (152.4mm)

1 = 1 Pc.

C = Clear

HSTTK = Thin Wall PVDF

09 = 3/32" (2.4mm)

9 = 9" (228.6mm)

2 = 2 Pcs.

1 = Brown

HSTTT = Thin Wall TFE†

12 = 1/8" (3.2mm)

12 = 12" (304.8mm)

3 = 3 Pcs.

2 = Red

HSTTP = Thin Wall PVC

19 = 3/16" (4.8mm)

48 = 48" (1.2m)

5 = 5 Pcs.

3 = Orange

HSTTPN = Crystal Clear Thin
Wall PVC

25 = 1/4" (6.4mm)

Y = 6" Pcs.

X = 10 Pcs.

4 = Yellow

HSTTVA = Flexible

38 = 3/8" (9.5mm)

NONE = REEL

Q = 25 Pcs.

5 = Green

Adhesive Lined

50 = 1/2" (12.7mm)

LQ = 75 Pcs.

6 = Blue

HSTTRA = Semi-Rigid

75 = 3/4" (19.1mm)

CQ = 125 Pcs.

10 = White

Adhesive Lined

100 = 1" (25.4mm)

T = 200 Pcs.

45 = Yellow/
Green

HSTTA = Thin Wall

150 = 1 1/2" (38.1mm)

TL = 250 Pcs.

Adhesive Lined

200 = 2" (50.8mm)

HSTT4A = 4:1 Thin Wall

300 = 3" (76.2mm)

Reels

Adhesive Lined

400 = 4" (101.6mm)

(If No Tube
Length Specified)

HST = Thick Wall

0.4 = 0.40" (10.2mm)

Q = 25' (7.6m)

Adhesive Lined

0.5 = 0.47" (11.9mm)

L = 50' (15.2m)

HSEC = Heat Shrink

0.8 = 0.80" (20.3mm)

C = 100' (30.5m)

End Caps

1.0 = 1.0" (25.4mm)

T = 200' (61.0m)

Adhesive Lined

1.1 = 1.1" (27.9mm)

D = 500' (152.4m)

HSECFR = Heat Shrink

1.5 = 1.5" (38.1mm)

M = 1000' (304.8m)

End Caps

2.0 = 2.0" (50.8mm)

Flame Retardant

2.7 = 2.7" (68.6mm)

Adhesive Lined

3.0 = 3.0" (76.2mm)

3.5 = 3.5" (88.9mm)

4.0 = 4.0" (101.6mm)

For Standard Packages containing 6" (152.4mm) lengths, refer to individual pages for complete part number offering.

Note: The above information is to be used as a guide. For specific part number offerings review individual pages for verification.

†TFE is Polytetrafluoroethylene material.



HSTT Heat Shrink 4 Foot Pieces and Reels

- Applications include insulating, protecting, and color coding wires and cables
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Flame retardant EXCEPT clear
- Mil Spec: AMS-DTL-23053/5 Class 1 (Colors) Class 2 (Clear)**
- Temperature range: -67°F to 275°F (-55°C to 135°C)
- For dry locations
- Material: Cross-linked Polyolefin
- UL: E122770 (Except Clear)
- CSA: 222627
- 5 year shelf life***



Part Number*	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Length		Length per Reel		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	Ft.	m	Ft.	m		
HSTT05-48-Q	0.046	1.2	0.046	1.2	0.023	0.6	0.016	0.4	4	1.2	—	—	25	—
HSTT05-48-TL	0.046	1.2	0.046	1.2	0.023	0.6	0.016	0.4	4	1.2	—	—	250	—
HSTT05-C‡	0.046	1.2	0.046	1.2	0.023	0.6	0.016	0.4	—	—	100	30.5	1	10
HSTT05-M‡	0.046	1.2	0.046	1.2	0.023	0.6	0.016	0.4	—	—	1,000	304.8	1	2
HSTT06-48-Q	0.063	1.6	0.063	1.6	0.031	0.8	0.017	0.4	4	1.2	—	—	25	—
HSTT06-C‡	0.063	1.6	0.063	1.6	0.031	0.8	0.017	0.4	—	—	100	30.5	1	10
HSTT06-M‡	0.063	1.6	0.063	1.6	0.031	0.8	0.017	0.4	—	—	1,000	304.8	1	2
HSTT09-48-Q	0.093	2.4	0.093	2.4	0.046	1.2	0.020	0.5	4	1.2	—	—	25	—
HSTT09-C‡	0.093	2.4	0.093	2.4	0.046	1.2	0.020	0.5	—	—	100	30.5	1	10
HSTT09-M‡	0.093	2.4	0.093	2.4	0.046	1.2	0.020	0.5	—	—	1,000	304.8	1	2
HSTT12-48-Q	0.125	3.2	0.125	3.2	0.062	1.6	0.020	0.5	4	1.2	—	—	25	—
HSTT12-C‡	0.125	3.2	0.125	3.2	0.062	1.6	0.020	0.5	—	—	100	30.5	1	10
HSTT12-M‡	0.125	3.2	0.125	3.2	0.062	1.6	0.020	0.5	—	—	1,000	304.8	1	2
HSTT19-48-Q	0.187	4.8	0.187	4.8	0.093	2.4	0.020	0.5	4	1.2	—	—	25	—
HSTT19-C‡	0.187	4.8	0.187	4.8	0.093	2.4	0.020	0.5	—	—	100	30.5	1	10
HSTT19-M‡	0.187	4.8	0.187	4.8	0.093	2.4	0.020	0.5	—	—	1,000	304.8	1	2
HSTT25-48-Q	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6	4	1.2	—	—	25	—
HSTT25-C‡	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6	—	—	100	30.5	1	10
HSTT25-D‡	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6	—	—	500	152.4	1	2
HSTT38-48-Q	0.375	9.5	0.375	9.5	0.187	4.8	0.025	0.6	4	1.2	—	—	25	—
HSTT38-C‡	0.375	9.5	0.375	9.5	0.187	4.8	0.025	0.6	—	—	100	30.5	1	10
HSTT38-T‡	0.375	9.5	0.375	9.5	0.187	4.8	0.025	0.6	—	—	200	61.0	1	2

*For colors, add C (Clear), 1 (Brown), 2 (Red), 3 (Orange), 4 (Yellow), 45 (Yellow/Green), 5 (Green), 6 (Blue) and 10 (White) to end of part number.

Contact customer service for availability.

‡Part sold per reel.

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

Continued on next page

B1



HSTT Heat Shrink 4 Foot Pieces and Reels (continued)



B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

E5

F

G

H

Part Number*	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Length		Length per Reel		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	Ft.	m	Ft.	m		
HSTT50-48-5	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6	4	1.2	—	—	5	—
HSTT50-48-Q	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6	4	1.2	—	—	25	—
HSTT50-C‡	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6	—	—	100	30.5	1	10
HSTT50-T‡	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6	—	—	200	61.0	1	2
HSTT75-48-5	0.750	19.1	0.750	19.1	0.375	9.5	0.030	0.8	4	1.2	—	—	5	—
HSTT75-C‡	0.750	19.1	0.750	19.1	0.375	9.5	0.030	0.8	—	—	100	30.5	1	10
HSTT75-T‡	0.750	19.1	0.750	19.1	0.375	9.5	0.030	0.8	—	—	200	61.0	1	2
HSTT100-48-5	1.00	25.4	1.00	25.4	0.500	12.7	0.035	0.9	4	1.2	—	—	5	—
HSTT100-C‡	1.00	25.4	1.00	25.4	0.500	12.7	0.035	0.9	—	—	100	30.5	1	2
HSTT150-48-5	1.50	38.1	1.50	38.1	0.750	19.1	0.040	1.0	4	1.2	—	—	5	—
HSTT150-C‡	1.50	38.1	1.50	38.1	0.750	19.1	0.040	1.0	—	—	100	30.5	1	2
HSTT200-48-5	2.00	50.8	2.00	50.8	1.00	25.4	0.045	1.1	4	1.2	—	—	5	—
HSTT200-L‡	2.00	50.8	2.00	50.8	1.00	25.4	0.045	1.1	—	—	50	15.2	1	2
HSTT300-48-2	3.00	76.2	3.00	76.2	1.50	38.1	0.050	1.3	4	1.2	—	—	2	—
HSTT300-L‡	3.00	76.2	3.00	76.2	1.50	38.1	0.050	1.3	—	—	50	15.2	1	0
HSTT400-48-2	4.00	101.6	4.00	101.6	2.00	50.8	0.055	1.4	4	1.2	—	—	2	—
HSTT400-L‡	4.00	101.6	4.00	101.6	2.00	50.8	0.055	1.4	—	—	50	15.2	1	0

*For colors, add C (Clear), 1 (Brown), 2 (Red), 3 (Orange), 4 (Yellow), 45 (Yellow/Green), 5 (Green), 6 (Blue) and 10 (White) to end of part number.

Contact customer service for availability.

‡Part sold per reel.



HSTT Heat Shrink on 25 Foot Reels

- Applications include insulating and protecting wires and cables
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Flame retardant EXCEPT clear
- Mil Spec: AMS-DTL-23053/5 Class 1 (Black) Class 2 (Clear)**
- Temperature range: -67°F to 275°F (-55°C to 135°C)
- For dry locations
- Material: Cross-linked Polyolefin
- UL: E122770
- CSA: 222627
- 5 year shelf life***



Part Number*	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm		
HSTT05-Q	0.046	1.2	0.046	1.2	0.023	0.6	0.016	0.4	1	10
HSTT06-Q	0.063	1.6	0.063	1.6	0.031	0.8	0.017	0.4		
HSTT09-Q	0.093	2.4	0.093	2.4	0.046	1.2	0.020	0.5		
HSTT12-Q	0.125	3.2	0.125	3.2	0.062	1.6	0.020	0.5		
HSTT19-Q	0.187	4.8	0.187	4.8	0.093	2.4	0.020	0.5		
HSTT25-Q	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6		
HSTT38-Q	0.375	9.5	0.375	9.5	0.187	4.8	0.025	0.6		
HSTT50-Q	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6		
HSTT75-Q	0.750	19.9	0.750	19.9	0.375	9.5	0.030	0.8		

*For colors, add C (Clear) or 45 (Yellow/Green) to end of part number. Contact customer service for availability.

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.



Heat Shrink in 6 Inch Pieces; Black, Single Diameter

- Applications include insulating and protecting wires and cables
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Flame retardant
- Mil Spec: AMS-DTL-23053/5 Class 1**

- Temperature range: -67°F to 275°F (-55°C to 135°C)
- For dry locations
- Material: Cross-linked Polyolefin
- UL: E122770
- CSA: 222627
- 5 year shelf life***



Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Total No. Pcs.	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm			
HSTT06-Y	0.063	1.6	0.063	1.6	0.031	0.8	0.017	0.4	26	1	10
HSTT09-Y	0.093	2.4	0.093	2.4	0.046	1.2	0.020	0.5	24		
HSTT12-Y	0.125	3.2	0.125	3.2	0.062	1.6	0.020	0.5	20		
HSTT19-Y	0.187	4.8	0.187	4.8	0.093	2.4	0.020	0.5	18		
HSTT25-Y	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6	14		
HSTT38-Y	0.375	9.5	0.375	9.5	0.187	4.8	0.025	0.6	12		
HSTT50-Y	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6	10		
HSTT75-Y	0.750	19.1	0.750	19.1	0.375	9.5	0.030	0.8	8		
HSTT100-Y	1.00	25.4	1.00	25.4	0.500	12.7	0.035	0.9	6		

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.



Heat Shrink in 6 Inch Pieces; Multi-Color, Single Diameter

- Applications include insulating, protecting, and color coding wires and cables
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Flame retardant EXCEPT clear
- Mil Spec: AMS-DTL-23053/5 Class 1 (Colors) Class 2 (Clear)**

- Temperature range: -67°F to 275°F (-55°C to 135°C)
- For dry locations
- Material: Cross-linked Polyolefin
- Colors include: clear, red, yellow, green, blue and white
- UL: E122770
- CSA: 222627
- 5 year shelf life***



	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Total No. Pcs.	Black No. of Pcs.	Each Color No. of Pcs.	Std. Pkg. Qty.	Std. Ctn. Qty.
Part Number	In.	mm	In.	mm	In.	mm					
HSTT06-YK1	0.063	1.6	0.063	1.6	0.031	0.8	26	8	3	1	10
HSTT09-YK1	0.093	2.4	0.093	2.4	0.046	1.2	24	6			
HSTT12-YK1	0.125	3.2	0.125	3.2	0.062	1.6	20	2			
HSTT19-YK1	0.187	4.8	0.187	4.8	0.093	2.4	18	6	2		
HSTT25-YK1	0.250	6.4	0.250	6.4	0.125	3.2	14	2			
HSTT38-YK1	0.375	9.5	0.375	9.5	0.187	4.8	12	6	1		
HSTT50-YK1	0.500	12.7	0.500	12.7	0.250	6.4	10	4			
HSTT75-YK1	0.750	19.1	0.750	19.1	0.375	9.5	8	2			
HSTT100-YK1	1.00	25.4	1.00	25.4	0.500	12.7	7	1			

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

B1

Heat Shrink in 6 Inch Pieces; Black, Multiple Diameters

- Applications include insulating and protecting wires and cables
- Voltage: 600 V
- Shrink ratio: 2:1
- Mil Spec: AMS-DTL-23053/5 Class 1**
- Temperature range: -67°F to 275°F (-55°C to 135°C)
- For dry locations
- Material: Cross-linked Polyolefin
- UL: E122770
- CSA: 222627
- 5 year shelf life***



C1



Part Number	Nominal Diameter	No. of Pieces by Diameter	Total No. Pcs.	Std. Pkg. Qty.	Std. Ctn. Qty.
HSTT-YK1	Various – Smaller Range	Two pcs. each 1/8", 1/16", 3/32", 1/4", 3/16", 3/8", 1/2"	14	1	10
HSTT-YK2	Various – Larger Range	Two pcs. each 3/8", 1/2", 3/4", 1"	8		

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

C2

C3

C4

Heat Shrink in 6 Inch Pieces; Yellow/Green Stripe, Multiple Diameters

- Applications include insulating, protecting, and color coding wires and cables
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Flame retardant
- Mil Spec: AMS-DTL-23053/5 Class 1**
- Temperature range: -67°F to 275°F (-55°C to 135°C)
- For dry locations
- Material: Cross-linked Polyolefin
- UL: E122770
- CSA: 222627
- 5 year shelf life***



D3



Part Number	Nominal Diameter	No. of Pieces by Diameter	Total No. Pcs.	Std. Pkg. Qty.	Std. Ctn. Qty.
HSTT-YK1-45	Various – Smaller Range	Two pcs. each 1/8", 3/16", 1/4", 3/8"	8	1	10
HSTT-YK2-45	Various – Larger Range	Two pcs. each 3/8", 1/2", 3/4"	6		

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

E1

E2

E3

E4

E5

F

G

H



HSTTV Heat Shrink 4 Foot Pieces

- Applications include insulating and protecting wires and cables
- Fast shrink time
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Meets UL 224 VW-1
- Mil Spec: AMS-DTL-23053/5 Class 3**
- Temperature range: -67°F to 275°F (-55°C to 135°C)
- For dry locations
- Material: Black cross-linked Polyolefin
- UL: E122770
- CSA: 222627
- 5 year shelf life***



Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm		
HSTTV05-48-Q	0.046	1.2	0.046	1.2	0.023	0.6	0.016	0.4	25	—
HSTTV06-48-Q	0.063	1.6	0.063	1.6	0.031	0.8	0.017	0.4		
HSTTV09-48-Q	0.093	2.4	0.093	2.4	0.046	1.2	0.020	0.5		
HSTTV12-48-Q	0.125	3.2	0.125	3.2	0.062	1.6	0.020	0.5		
HSTTV19-48-Q	0.187	4.8	0.187	4.8	0.093	2.4	0.020	0.5		
HSTTV25-48-Q	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6		
HSTTV38-48-Q	0.375	9.5	0.375	9.5	0.187	4.8	0.025	0.6		
HSTTV50-48-Q	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6	5	—
HSTTV75-48-5	0.750	19.1	0.750	19.1	0.375	9.5	0.030	0.8		
HSTTV100-48-5	1.00	25.4	1.00	25.4	0.500	12.7	0.035	0.9		
HSTTV150-48-5	1.50	38.1	1.50	38.1	0.750	19.1	0.040	1.0		

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

B1 HSTTV Heat Shrink on 100 Foot Reels

- Applications include insulating and protecting wires and cables
- Fast shrink time
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Meets UL 224 VW-1
- Mil Spec: AMS-DTL-23053/5 Class 3**
- Temperature range: -67°F to 275°F (-55°C to 135°C)
- For dry locations
- Material: Black Cross-linked Polyolefin
- UL: E122770
- CSA: 222627
- 5 year shelf life***



Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm		
HSTTV05-C	0.046	1.2	0.046	1.2	0.023	0.6	0.016	0.4	1	10
HSTTV06-C	0.063	1.6	0.063	1.6	0.031	0.8	0.017	0.4		
HSTTV09-C	0.093	2.4	0.093	2.4	0.046	1.2	0.020	0.5		
HSTTV12-C	0.125	3.2	0.125	3.2	0.062	1.6	0.020	0.5		
HSTTV19-C	0.187	4.8	0.187	4.8	0.093	2.4	0.020	0.5		
HSTTV25-C	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6		
HSTTV38-C	0.375	9.5	0.375	9.5	0.187	4.8	0.025	0.6		
HSTTV50-C	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6		
HSTTV75-C	0.750	19.1	0.750	19.1	0.375	9.5	0.030	0.8	1	2
HSTTV100-C	1.00	25.4	1.00	25.4	0.500	12.7	0.035	0.9		
HSTTV150-C	1.50	38.1	1.50	38.1	0.750	19.1	0.040	1.0		

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.



HSTTV Heat Shrink on Bulk Reels

- Applications include insulating and protecting wires and cables
- Fast shrink time
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Meets UL 224 VW-1
- Mil Spec: AMS-DTL-23053/5 Class 3**
- Temperature range: -67°F to 275°F (-55°C to 135°C)
- For dry locations
- Material: Cross-linked Polyolefin
- UL: E122770
- CSA: 222627
- 5 year shelf life***



Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Length per Reel		Color	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	Ft.	m			
HSTTV05-M	0.046	1.2	0.046	1.2	0.023	0.6	0.016	0.4	1000	304.8	Black	1	2
HSTTV06-M	0.063	1.6	0.063	1.6	0.031	0.8	0.017	0.4	1000	304.8			
HSTTV09-M	0.093	2.4	0.093	2.4	0.046	1.2	0.020	0.5	1000	304.8			
HSTTV12-M	0.125	3.2	0.125	3.2	0.062	1.6	0.020	0.5	1000	304.8			
HSTTV19-M	0.187	4.8	0.187	4.8	0.093	2.4	0.020	0.5	1000	304.8			
HSTTV25-D	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6	500	152.4	Black	1	2
HSTTV25-D10	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6	500	152.4	White		
HSTTV25-D5	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6	500	152.4	Green		
HSTTV38-T	0.375	9.5	0.375	9.5	0.187	4.8	0.025	0.6	200	61.1	Black		
HSTTV38-T5	0.375	9.5	0.375	9.5	0.187	4.8	0.025	0.6	200	61.1	Green		
HSTTV50-T	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6	200	61.1	Black		
HSTTV50-T5	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6	200	61.1	Green		
HSTTV75-T	0.750	19.1	0.750	19.1	0.375	9.5	0.030	0.8	200	61.1	Black		
HSTTV75-T10	0.750	19.1	0.750	19.1	0.375	9.5	0.030	0.8	200	61.1	White		

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

B1



HSTTV Heat Shrink on 25 Foot Reels

B2

- Applications include insulating and protecting wires and cables

- Fast shrink time

- Voltage: 600 V

B3

- Shrink ratio: 2:1

- Flammability: Meets UL 224 VW-1

- Mil Spec: AMS-DTL-23053/5 Class 3**

- Temperature range: -67°F to 275°F (-55°C to 135°C)

- For dry locations

- Material: Black Cross-linked Polyolefin

- UL: E122770

- CSA: 222627

- 5 year shelf life***



C1



C2

Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm		
HSTTV12-Q	0.125	3.2	0.125	3.2	0.062	1.6	0.020	0.5	1	10
HSTTV19-Q	0.187	4.8	0.187	4.8	0.093	2.4	0.020	0.5		
HSTTV50-Q	0.500	12.7	0.500	12.7	0.250	6.4	0.025	0.6		

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

C4

D1



HSTTV Heat Shrink 6 Inch Pieces

- Applications include insulating and protecting wires and cables

- Fast shrink time

- Voltage: 600 V

- Shrink ratio: 2:1

- Flammability: Meets UL 224 VW-1

- Mil Spec: AMS-DTL-23053/5 Class 3**

- Temperature range: -67°F to 275°F (-55°C to 135°C)

- For dry locations

- Material: Black Cross-linked Polyolefin

- UL: E122770

- CSA: 222627

- 5 year shelf life***



E2

E3

Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Pieces Per Package	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm			
HSTTV05-Y	0.046	1.2	0.046	1.2	0.023	0.6	26	1	10
HSTTV06-Y	0.063	1.6	0.063	1.6	0.031	0.8			
HSTTV09-Y	0.093	2.4	0.093	2.4	0.046	1.2	24		
HSTTV12-Y	0.125	3.2	0.125	3.2	0.062	1.6	20		
HSTTV19-Y	0.187	4.8	0.187	4.8	0.093	2.4	18		
HSTTV25-Y	0.250	6.4	0.250	6.4	0.125	3.2	14		
HSTTV38-Y	0.375	9.5	0.375	9.5	0.187	4.8	12		
HSTTV50-Y	0.500	12.7	0.500	12.7	0.250	6.4	10		
HSTTV75-Y	0.750	19.1	0.750	19.1	0.375	9.5	8		
HSTTV100-Y	1.00	25.4	1.00	25.4	0.500	12.7	6		

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

G

H



HSTTP PVC Heat Shrink

- Applications include insulating and protecting wires and cables
- Good resistance to most fuels and oils
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Meets UL 224 VW-1
- Temperature range: -4°F to 221°F (-20°C to 105°C)

- For dry locations
- Material: Black cross-linked Polyvinyl Chloride
- Mil Spec: AMS-DTL-23053/2 Class 1**
- UL: E122770
- CSA: 75192
- 1 year shelf life***



Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Length Per Reel		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	Ft.	m		
HSTTP05-MY	0.046	1.2	0.046	1.2	0.023	0.6	0.020	0.5	1000	304.8	1	2
HSTTP06-QY	0.063	1.6	0.063	1.6	0.031	0.8	0.020	0.5	25	7.6		10
HSTTP06-CY	0.063	1.6	0.063	1.6	0.031	0.8	0.020	0.5	100	30.5		2
HSTTP09-QY	0.093	2.4	0.093	2.4	0.046	1.2	0.025	0.6	25	7.6		10
HSTTP09-CY	0.093	2.4	0.093	2.4	0.046	1.2	0.025	0.6	100	30.5		2
HSTTP09-MY	0.093	2.4	0.093	2.4	0.046	1.2	0.025	0.6	1000	304.8		2
HSTTP12-QY	0.125	3.2	0.125	3.2	0.062	1.6	0.025	0.6	25	7.6		10
HSTTP12-CY	0.125	3.2	0.125	3.2	0.062	1.6	0.025	0.6	100	30.5		2
HSTTP19-QY	0.187	4.8	0.187	4.8	0.093	2.4	0.025	0.6	25	7.6		10
HSTTP19-CY	0.187	4.8	0.187	4.8	0.093	2.4	0.025	0.6	100	30.5		2
HSTTP25-QY	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6	25	7.6		10
HSTTP25-CY	0.250	6.4	0.250	6.4	0.125	3.2	0.025	0.6	100	30.5		2
HSTTP38-QY	0.375	9.5	0.375	9.5	0.187	4.8	0.030	0.8	25	7.6		10
HSTTP38-CY	0.375	9.5	0.375	9.5	0.187	4.8	0.030	0.8	100	30.5		2
HSTTP50-QY	0.500	12.7	0.500	12.7	0.250	6.4	0.030	0.8	25	7.6		10
HSTTP50-CY	0.500	12.7	0.500	12.7	0.250	6.4	0.030	0.8	100	30.5		2
HSTTP75-QY	0.750	19.1	0.750	19.1	0.375	9.5	0.035	0.9	25	7.6		10
HSTTP75-CY	0.750	19.1	0.750	19.1	0.375	9.5	0.035	0.9	100	30.5		2
HSTTP100-QY	1.00	25.4	1.00	25.4	0.500	12.7	0.040	1.0	25	7.6		2
HSTTP100-CY	1.00	25.4	1.00	25.4	0.500	12.7	0.040	1.0	100	30.5		2
HSTTP150-QY	1.50	38.1	1.50	38.1	0.750	19.1	0.045	1.1	25	7.6		2
HSTTP150-CY	1.50	38.1	1.50	38.1	0.750	19.1	0.045	1.1	100	30.5		2
HSTTP200-QY	2.00	50.8	2.00	50.8	1.00	25.4	0.050	1.3	25	7.6		2

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

B1



HSTTPN PVC Heat Shrink

B2

B3

C1



- Low shrink temperature (store below 90°F) to speed installation
- Crystal clear material ensures easy to read labels and splice inspections
- Voltage: 600 V
- Shrink ratio of 2:1 insulates a wide range of diameters and irregular shapes
- Highly flame retardant product manufactured from a material that is rated UL 224 VW-1
- Temperature range: -4°F to 221°F (-20°C to 105°C)
- For dry locations
- Material: Clear Polyvinyl Chloride
- Mil Spec: AMS-DTL-23053/2 Class 2**
- UL: E122770
- CSA: 75192
- 1 year shelf life***



C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

E5

F

G

H

	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Length		Length per Reel		Std. Pkg. Qty.	Std. Ctn. Qty.
Part Number	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	Ft.	m		
HSTTPN50-438-L	0.46	11.7	0.46	11.7	0.25	6.4	0.022	0.6	4.38	111.3	—	—	50	500
HSTTPN50-713-Q	0.46	11.7	0.46	11.7	0.25	6.4	0.022	0.6	7.13	181.1	—	—	25	250
HSTTPN62-750-Q	0.56	14.3	0.56	14.3	0.31	8.0	0.027	0.7	7.50	190.5				
HSTTPN75-775-Q	0.70	17.7	0.70	17.7	0.38	9.5	0.027	0.7	7.75	196.9				
HSTTPN100-775-Q	0.90	22.9	0.90	22.9	0.50	12.7	0.030	0.8	7.75	196.9	—	—	10	100
HSTTPN150-925-X	1.40	35.4	1.40	35.4	0.75	19.1	0.030	0.8	9.25	235.0				
HSTTPN200-950-X	1.80	45.7	1.80	45.7	1.00	25.4	0.039	1.0	9.50	241.3				
HSTTPN50-CC	0.46	11.7	0.46	11.7	0.25	6.4	0.022	0.6	—	—	100	30.5	1	2
HSTTPN62-CC	0.56	14.3	0.56	14.3	0.31	8.0	0.027	0.7						
HSTTPN75-CC	0.70	17.7	0.70	17.7	0.38	9.5	0.027	0.7						
HSTTPN100-CC	0.90	22.9	0.90	22.9	0.50	12.7	0.030	0.8	—	—				
HSTTPN150-CC	1.40	35.4	1.40	35.4	0.75	19.1	0.030	0.8						
HSTTPN200-CC	1.80	45.7	1.80	45.7	1.00	25.4	0.039	1.0						

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

HSTTT TFE Heat Shrink 4 Foot Pieces

- Applications include insulating and protecting wires and cables
- Voltage: 600 V
- Shrink ratio: 2:1
- Mil Spec: AMS-DTL-23053/12 Class 2 and 3**
- Temperature range: -88°F to 482°F (-67°C to 250°C)

- Color: Opaque
- For dry locations
- Material: Halogen-Free Polytetrafluoroethylene (TFE)
- High temperature; resists corrosive atmosphere
- See page C3.38 for shrink instructions
- 4 year shelf life***



Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Length		Std. Pkg. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	Ft.	m	
HSTTT03-48-Q	30 AWG	0.9	0.034	0.9	0.015	0.4	0.009	0.2	4	1.2	25
HSTTT04-48-Q	28 AWG	1.0	0.038	1.0	0.018	0.5	0.009	0.2			
HSTTT046-48-Q	26 AWG	1.2	0.046	1.2	0.022	0.5	0.010	0.3			
HSTTT05-48-Q	24 AWG	1.3	0.050	1.3	0.027	0.7	0.010	0.3			
HSTTT055-48-Q	22 AWG	1.4	0.055	1.4	0.032	0.8	0.012	0.3			
HSTTT06-48-Q	20 AWG	1.5	0.060	1.5	0.039	1.0	0.012	0.3			
HSTTT08-48-Q	18 AWG	1.9	0.076	1.9	0.049	1.2	0.012	0.3			
HSTTT09-48-Q	16 AWG	2.3	0.093	2.3	0.061	1.6	0.012	0.3			
HSTTT12-48-Q	14 AWG	3.0	0.120	3.0	0.072	1.8	0.012	0.3			
HSTTT15-48-Q	12 AWG	3.8	0.150	3.8	0.089	2.3	0.012	0.3			
HSTTT19-48-Q	10 AWG	4.9	0.191	4.9	0.112	2.8	0.012	0.3			
HSTTT24-48-Q	8 AWG	6.0	0.240	6.0	0.141	3.6	0.015	0.4			
HSTTT30-48-Q	6 AWG	7.7	0.302	7.7	0.178	4.5	0.015	0.4			
HSTTT37-48-Q	4 AWG	9.4	0.370	9.4	0.224	5.7	0.015	0.4			
HSTTT43-48-Q	2 AWG	10.9	0.430	10.9	0.278	7.0	0.015	0.4			
HSTTT47-48-Q	0 AWG	11.9	0.470	11.9	0.347	8.8	0.015	0.4			
HSTTT56-48-5^	9/16	14.2	0.560	14.2	0.399	10.1	0.015	0.4	4	1.2	5
HSTTT66-48-5^	5/8	16.6	0.655	16.6	0.462	11.7	0.018	0.5			
HSTTT75-48-5^	3/4	19.1	0.750	19.1	0.524	13.3	0.018	0.5			
HSTTT93-48-5^	15/16	23.6	0.930	23.6	0.655	16.6	0.020	0.5			
HSTTT112-48-5^	1 1/8	28.6	1.12	28.6	0.786	20.0	0.025	0.6			
HSTTT131-48-2^	1 15/16	33.3	1.31	33.3	0.911	23.1	0.030	0.8	4	1.2	2
HSTTT150-48-2^	1 1/2	38.1	1.50	38.1	1.036	26.3	0.030	0.8			

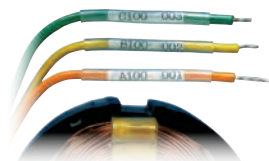
**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

^ Part numbers are Class 2.

PVDF HSTTK PVDF Heat Shrink 4 Foot Pieces

- Applications include insulating and protecting wires and cables
- Excellent chemical and abrasion resistance
- Use in high temperature or solvent rich environment
- Voltage: 600 V
- Shrink ratio: 2:1
- Flammability: Meets UL 224 VW-1
- Mil Spec: AMS-DTL-23053/8**
- Temperature range: -67°F to 347°F (-55°C to 175°C)
- For dry locations
- Material: Halogen-Free Clear Cross-linked Polyvinylidene Fluoride (PVDF)
- UL: E122770
- CSA: 222627
- 5 year shelf life***



Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	
HSTTK05-48-Q	0.046	1.2	0.046	1.2	0.023	0.6	0.010	0.3	25
HSTTK06-48-Q	0.063	1.6	0.063	1.6	0.031	0.8			
HSTTK09-48-Q	0.093	2.4	0.093	2.4	0.046	1.2			
HSTTK12-48-Q	0.125	3.2	0.125	3.2	0.062	1.6			
HSTTK19-48-Q	0.187	4.8	0.187	4.8	0.093	2.4	0.012	0.3	25
HSTTK25-48-Q	0.250	6.4	0.250	6.4	0.125	3.2			
HSTTK38-48-Q	0.375	9.5	0.375	9.5	0.187	4.8	0.012	0.3	5
HSTTK50-48-5	0.500	12.7	0.500	12.7	0.250	6.4	0.012	0.3	5
HSTTK75-48-5	0.750	19.1	0.750	19.1	0.375	9.5	0.017	0.4	
HSTTK100-48-5	1.00	25.4	1.00	25.4	0.500	12.7	0.019	0.5	

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

ADHESIVE HSTTVA Heat Shrink 4 Foot and 6 Inch Pieces

- Applications include insulating and protecting wires and cables
- Flexible tubing with an adhesive inner wall which seals and protects components from moisture and corrosion
- Voltage rating: 600 V
- Shrink ratio: 2:1
- Flammability: Outer wall flame retardant
- Mil Spec: AMS-DTL-23053/4 Class 2**
- Temperature range: -67°F to 230°F (-55°C to 110°C)
- For damp locations
- Material: Adhesive lined black cross-linked Polyolefin
- UL: 342365
- 5 year shelf life***



	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.
Part Number	In.	mm	In.	mm	In.	mm	In.	mm	
4' (1.22m) Pieces									
HSTTVA12-48-Q	0.125	3.2	0.125	3.2	0.063	1.6	0.021	0.5	25
HSTTVA19-48-Q	0.187	4.8	0.187	4.8	0.093	2.4	0.023	0.6	
HSTTVA25-48-Q	0.250	6.4	0.250	6.4	0.125	3.2	0.029	0.7	
HSTTVA38-48-Q	0.375	9.5	0.375	9.5	0.187	4.8	0.029	0.7	
HSTTVA50-48-5	0.500	12.7	0.500	12.7	0.250	6.4	0.030	0.8	5
HSTTVA75-48-5	0.750	19.1	0.750	19.1	0.375	9.5	0.035	0.9	
HSTTVA100-48-5	1.00	25.4	1.00	25.4	0.500	12.7	0.042	1.1	
HSTTVA150-48-5	1.50	38.1	1.50	38.1	0.750	19.1	0.047	1.2	

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

Continued on next page

HSTTVA Heat Shrink 4 Foot and 6 Inch Pieces (continued)

Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.	Pieces per Package
	In.	mm	In.	mm	In.	mm	In.	mm		
6" (152.4mm) Pieces										
HSTTVA12-Y	0.125	3.2	0.125	3.2	0.063	1.6	0.021	0.5	1	7
HSTTVA19-Y	0.187	4.8	0.187	4.8	0.093	2.4	0.023	0.6		
HSTTVA25-Y	0.250	6.4	0.250	6.4	0.125	3.2	0.029	0.7	1	5
HSTTVA38-Y	0.375	9.5	0.375	9.5	0.187	4.8	0.029	0.7		4
HSTTVA50-Y	0.500	12.7	0.500	12.7	0.250	6.4	0.030	0.8		4
HSTTVA75-Y	0.750	19.1	0.750	19.1	0.375	9.5	0.035	0.9		3
HSTTVA100-Y	1.00	25.4	1.00	25.4	0.500	12.7	0.042	1.1		2

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

HSTTA Heat Shrink 4 Foot and 6 Inch Pieces

- Applications include insulating and protecting wires and cables
- Flexible tubing with an adhesive inner wall which seals and protects components from moisture and corrosion
- Voltage rating: 600 V
- Shrink ratio: 3:1
- Flammability: Outer wall flame retardant
- Mil Spec: AMS-DTL-23053/4 Class 3**
- Temperature range: -67°F to 230°F (-55°C to 110°C)
- For damp locations
- Material: Adhesive lined black cross-linked Polyolefin
- UL: E342365
- 5 year shelf life***



	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.	Std. Ctn. Qty.
Part Number	In.	mm	In.	mm	In.	mm	In.	mm	Qty.	Qty.
4' (1.22m) Pieces										
HSTTA19-48-Q	0.187	4.8	0.187	4.8	0.062	1.6	0.040	1.0	25	—
HSTTA25-48-Q	0.250	6.4	0.250	6.4	0.080	2.0			25	
HSTTA25-48-TL	0.250	6.4	0.250	6.4	0.080	2.0			250	
HSTTA38-48-Q	0.375	9.5	0.375	9.5	0.120	3.0	0.055	1.4	25	—
HSTTA38-48-TL	0.375	9.5	0.375	9.5	0.120	3.0			250	
HSTTA50-48-5	0.500	12.7	0.500	12.7	0.160	4.1	0.070	1.8	5	—
HSTTA50-48-T	0.500	12.7	0.500	12.7	0.160	4.1			200	
HSTTA75-48-5	0.750	19.1	0.750	19.1	0.250	6.4	0.085	2.2	5	—
HSTTA75-48-C	0.750	19.1	0.750	19.1	0.250	6.4			100	
HSTTA100-48-5	1.00	25.4	1.00	25.4	0.320	8.1	0.100	2.5	5	—
HSTTA100-48-L	1.00	25.4	1.00	25.4	0.320	8.1			50	
HSTTA150-48-5	1.50	38.1	1.50	38.1	0.510	12.9			5	
HSTTA150-48-Q	1.50	38.1	1.50	38.1	0.510	12.9			25	

Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.	Std. Ctn. Qty.	Pieces per Package
	In.	mm	In.	mm	In.	mm	In.	mm			
6" (152.4mm) Pieces											
HSTTA19-Y	0.187	4.8	0.187	4.8	0.062	1.6	0.040	1.0	1	10	6
HSTTA25-Y	0.250	6.4	0.250	6.4	0.080	2.0	0.040	1.0	1	10	4
HSTTA38-Y	0.375	9.5	0.375	9.5	0.120	3.0	0.055	1.4	1	10	3
HSTTA50-Y	0.500	12.7	0.500	12.7	0.160	4.1	0.070	1.8			
HSTTA75-Y	0.750	19.1	0.750	19.1	0.250	6.4	0.085	2.2	1	10	2
HSTTA100-Y	1.00	25.4	1.00	25.4	0.320	8.1	0.100	2.5			
HSTTA150-Y	1.50	38.1	1.50	38.1	0.510	12.9	0.100	2.5	1	10	1

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

HSTT4A Heat Shrink 4 Foot Pieces

- Applications include insulating and protecting oversized electrical and electronic components, cables, terminals and connectors
- Flexible tubing with an adhesive inner wall which seals and protects components from moisture and corrosion
- Voltage: 600 V
- Shrink ratio: 4:1
- Flammability: Flame retardant outer wall meets UL 224 VW-1
- Mil Spec: AMS-DTL-23053/4 Class 3**
- Temperature range: -67°F to 257°F (-55°C to 125°C)
- For damp locations
- Material: Adhesive lined black cross-linked Polyolefin
- UL: E342365
- 5 year shelf life***



Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Length		Std. Pkg. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	Ft.	m	
HSTT4A15-48-Q	0.158	4.0	0.158	4.0	0.039	1.0	0.043	1.10	4	1.2	25
HSTT4A31-48-Q	0.315	8.0	0.315	8.0	0.079	2.0	0.043	1.10			
HSTT4A47-48-Q	0.472	12.0	0.472	12.0	0.118	3.0	0.055	1.40			
HSTT4A62-48-5	0.630	16.0	0.630	16.0	0.158	4.0	0.070	1.80	4	1.2	5
HSTT4A94-48-5	0.945	24.0	0.945	24.0	0.236	6.0	0.088	2.25			
HSTT4A125-48-5	1.26	32.0	1.26	32.0	0.315	8.0	0.100	2.54			
HSTT4A200-48-5	2.05	52.0	2.05	52.0	0.512	13.0	0.100	2.54			

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

HSTTRA Heat Shrink 4 Foot Pieces

- Applications include insulating and protecting wires and cables
- Semi-rigid tubing with an adhesive inner wall seals and protects components from moisture and corrosion
- Voltage rating: 600 V
- Shrink ratio: 2.5:1 Minimum
- Mil Spec: AMS-DTL-23053/4 Class 1**
- Temperature range: -67°F to 230°F (-55°C to 110°C)
- For damp locations
- Material: Adhesive lined black cross-linked Polyolefin
- UL: E342365
- 5 year shelf life***



Part Number	Nominal Diameter		Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Std. Pkg. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm	
HSTTRA12-48-Q	0.125	3.2	0.125	3.2	0.023	0.6	0.038	1.0	25
HSTTRA19-48-Q	0.187	4.8	0.187	4.8	0.060	1.5	0.043	1.1	
HSTTRA25-48-Q	0.250	6.4	0.250	6.4	0.080	2.0	0.047	1.2	
HSTTRA38-48-Q	0.375	9.5	0.375	9.5	0.135	3.4	0.050	1.3	
HSTTRA50-48-5	0.500	12.7	0.500	12.7	0.195	5.0	0.055	1.4	
HSTTRA75-48-5	0.750	19.1	0.750	19.1	0.313	8.0	0.065	1.7	5
HSTTRA100-48-5	1.00	25.4	1.00	25.4	0.400	10.2	0.075	1.9	

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

HST Thick Wall Polyolefin Heat Shrink

- Applications include insulating and protecting wires and cables
- Adhesive-lined inner wall seals and protects against moisture
- Thick wall suitable for direct burial according to UL 486D and provides excellent protection
- Voltage rating: UL 486D Listed for 600 V 90°C continuous use
- Shrink ratio: 3:1
- Flammability: Flame retardant outer wall meets UL 224 VW-1

- UL/UR: E342365
- UL Listed: E173379
- CSA 244528
- Mil Spec: AMS-DTL-23053/15**
- Temperature range: -67°F to 230°F (-55°C to 110°C)
- Suitable for wet locations; Black HST suitable for outdoor, direct sunlight applications
- Material: Adhesive lined black and red cross-linked Polyolefin
- 10 year shelf life***



Part Number	Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Length		Color	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm			
HST0.4-3-QY*	0.40	10.2	0.16	4.1	0.08	2.0	3.0	76.2	Black	25	100
HST0.4-48-5-2Y*	0.40	10.2	0.16	4.1	0.08	2.0	48.0	1219.2	Red	5	20
HST0.4-48-5Y*	0.40	10.2	0.16	4.1	0.08	2.0	48.0	1219.2	Black	10	100
HST0.4-6-X2Y*	0.40	10.2	0.16	4.1	0.08	2.0	6.0	152.4	Red		
HST0.4-6-XY*	0.40	10.2	0.16	4.1	0.08	2.0	6.0	152.4	Black	10	100
HST0.8-12-5Y*	0.75	19.1	0.22	5.6	0.09	2.3	12.0	304.8	Black		
HST0.8-48-5-2Y*	0.75	19.1	0.22	5.6	0.09	2.3	48.0	1219.2	Red	5	20
HST0.8-48-5Y*	0.75	19.1	0.22	5.6	0.09	2.3	48.0	1219.2	Black	10	100
HST0.8-6-XY*	0.75	19.1	0.22	5.6	0.09	2.3	6.0	152.4	Black		
HST0.8-9-X2Y*	0.75	19.1	0.22	5.6	0.09	2.3	9.0	228.6	Red	5	20
HST1.1-12-5Y	1.10	27.9	0.38	9.5	0.12	3.0	12.0	304.8	Black		
HST1.1-48-5-2Y	1.10	27.9	0.38	9.5	0.12	3.0	48.0	1219.2	Red	5	20
HST1.1-48-5Y	1.10	27.9	0.38	9.5	0.12	3.0	48.0	1219.2	Black		
HST1.1-6-XY	1.10	27.9	0.38	9.5	0.12	3.0	6.0	152.4	Black	10	100
HST1.1-9-X2Y	1.10	27.9	0.38	9.5	0.12	3.0	9.0	228.6	Red	10	100
HST1.1-9-XY	1.10	27.9	0.38	9.5	0.12	3.0	9.0	228.6	Black	10	100
HST1.5-12-5Y	1.50	38.1	0.50	12.7	0.16	4.1	12.0	304.8	Black	5	50
HST1.5-48-5-2Y	1.50	38.1	0.50	12.7	0.16	4.1	48.0	1219.2	Red	5	15
HST1.5-48-5Y	1.50	38.1	0.50	12.7	0.16	4.1	48.0	1219.2	Black		
HST1.5-9-XY	1.50	38.1	0.50	12.7	0.16	4.1	9.0	228.6	Black	10	100
HST2.0-12-2Y	2.00	50.8	0.67	16.9	0.16	4.1	12.0	304.8	Black	2	20
HST2.0-48-2Y	2.00	50.8	0.67	16.9	0.16	4.1	48.0	1219.2		2	8
HST2.7-48-2Y	2.70	68.6	0.87	22.1	0.16	4.1	48.0	1219.2		2	8

The following parts are not UL listed, UL recognized or CSA certified.

HST3.0-48-2	3.00	76.2	1.00	25.4	0.16	4.1	48.0	1219.2	Black	2	8
HST3.5-48-2Y	3.50	88.9	1.20	30.5	0.16	4.1	48.0	1219.2			6

*Product meets performance requirements of AMS-DTL-23053/15; some dimensions differ from specification.

**Material Performance Only.

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

B1

Heat Shrink End Caps

B2

B3

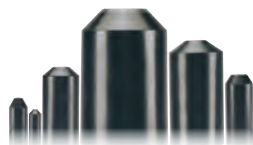
C1

C2

C3

- Applications include insulating and protecting wires and cables
- Adhesive lined inner wall seals and provides excellent protection against moisture
- Voltage rating of 600 V
- Shrink ratio: 2.5:1 (HSEC); 3:1 (HSECFR)
- Temperature range: HSEC: -40°F to 257°F (-40°C to 125°C) HSECFR: -67°F to 239°F (-55°C to 110°C)

- For wet locations
- Material: Adhesive lined black cross-linked Polyolefin; HSECFR = Flame retardant
- FR Material: UL E169922
- 10 year shelf life***



HSEC



HSECFR



C4

D1

D2

D3

E1

E2

E3

E4

E5

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G

H

Part Number	Min. Expanded I.D.		Max. Recovered I.D.		Nominal Recovered Wall Thickness		Usable Cap Length		Std. Pkg. Qty.	Std. Pkg. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm		
HSEC0.5-X	0.47	11.9	0.18	4.6	0.09	2.2	1.48	37.6	10	100
HSEC0.8-X	0.79	20.1	0.30	7.6	0.10	2.4	1.79	45.5		
HSEC1.0-X	1.15	29.2	0.45	11.4	0.11	2.8	2.80	71.1		
HSEC1.5-5	1.58	40.1	0.68	17.3	0.14	3.6	3.23	82.0	5	50
HSEC2.0-5	2.25	57.2	0.98	24.9	0.15	3.8	4.29	109.0		
HSEC4.0-2	3.92	99.6	1.78	45.2	0.15	3.8	5.37	136.4	2	10

Heat Shrink End Caps – Flame Retardant

HSECFR0.5-XY	0.51	13.0	0.16	4.1	0.09	2.3	2.50	63.5	10	100
HSECFR0.8-XY	0.75	19.1	0.24	6.1	0.09	2.3	2.50	63.5		
HSECFR1.0-XY	1.10	27.9	0.35	8.9	0.12	3.0	3.00	76.2		
HSECFR1.5-5Y	1.50	38.1	0.47	11.9	0.16	4.1	3.50	88.9	5	50
HSECFR2.0-5Y	2.00	50.8	0.63	16.0	0.16	4.1	3.50	88.9		

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.

Plastic Heat Shrink Tubing Kit Boxes – For Dry Locations

- 5 year shelf life***



Part Number	Part Description	Contents	Std. Pkg. Qty.
KP-HSTT1	Heat shrink kit box – plastic case, various sizes. Black only.	35 ea. of 3/32", 1/8" 21 ea. of 3/16", 1/4" 7 ea. of 3/8", 1/2"	1
KP-HSTT2	Heat shrink kit box – plastic case, various sizes, various colors.	35 ea. (5 ea. color) 3/32", 1/8" 21 ea. (3 ea. color) 3/16", 1/4" 7 ea. (1 ea. color) 3/8", 1/2"	
KP-HSTTA	Dual Wall Adhesive Lined Thin Wall Heat Shrink: Plastic Kit Box – Black only.	14 ea. 3/16" 12 ea. 1/4" 10 ea. 3/8" 6 ea. 1/2" 3 ea. 3/4" 2 ea. 1"	

***Shelf life applies only to expanded and recovered dimensions. Material performance is not affected.



Heat Shrink Tools and Accessories



Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
HSG-115V-650	Heat gun with stand. Temperature range of 700°F (371°C) to 1000°F (538°C) plus stand. (Accessories not included).	1	—
HSG-A1	Shrink tube reflector for tubing up to 3/4" inside diameter. Directs heat around tubing to reduce shrink time.	1	10
HSG-A2	Shrink tube reflector for tubing up to 1 1/2" inside diameter. Directs heat around tubing to reduce shrink time.		
HSG-P1	Replacement brush / spring kit.	1	5
HSG-P2	Replacement switch 20 Amp.		
HSG-P3	Replacement bearing kit.		
HSG-P7	Replacement heat element 700°F.	1	—

B1 Heat Shrink Installation Instructions

General Instructions

Position heat shrink over the object to be covered. Using a heat gun, soft yellow flame torch, infrared heat source or oven, evenly heat the tubing until it has fully recovered and conforms to the object. Use caution not to char or burn the tubing.

B3 Special Instructions for HSTTT

TFE Heat Shrink is the most difficult to recover due to its high shrink temperature. TFE shrink tubing must be heated to the gel state 621°F (327°C) to completely recover. This can be recognized when the tubing changes from milky white to clear. Because of the unique characteristics of this material, a controlled temperature oven will achieve the most reliable results – it is difficult to consistently recover this product using a high-temp heat gun or similar heat source. These methods have a tendency to overheat the tube in one area while other areas remain cool.

When recovering onto objects, use a temperature controlled oven set at 660°F – 680°F (349°C – 360°C) for approximately 10 minutes is recommended. It is best to place the product on a fiberglass mat or suspend as opposed to contacting the oven rack. Do NOT heat the product above 700°F (371°C), or degradation damage to the TFE polymer will occur. The surrounding materials and the material you are shrinking onto must be capable of withstanding the shrink temperatures.

C4 Size Selection for Heat Shrink Tubing

Generally, the largest tube that shrinks down tightly onto an object should be chosen. This allows the heat shrink tubing maximum stress relief and this will yield the longest service life and maximize abrasion resistance and electrical insulation.

Example:

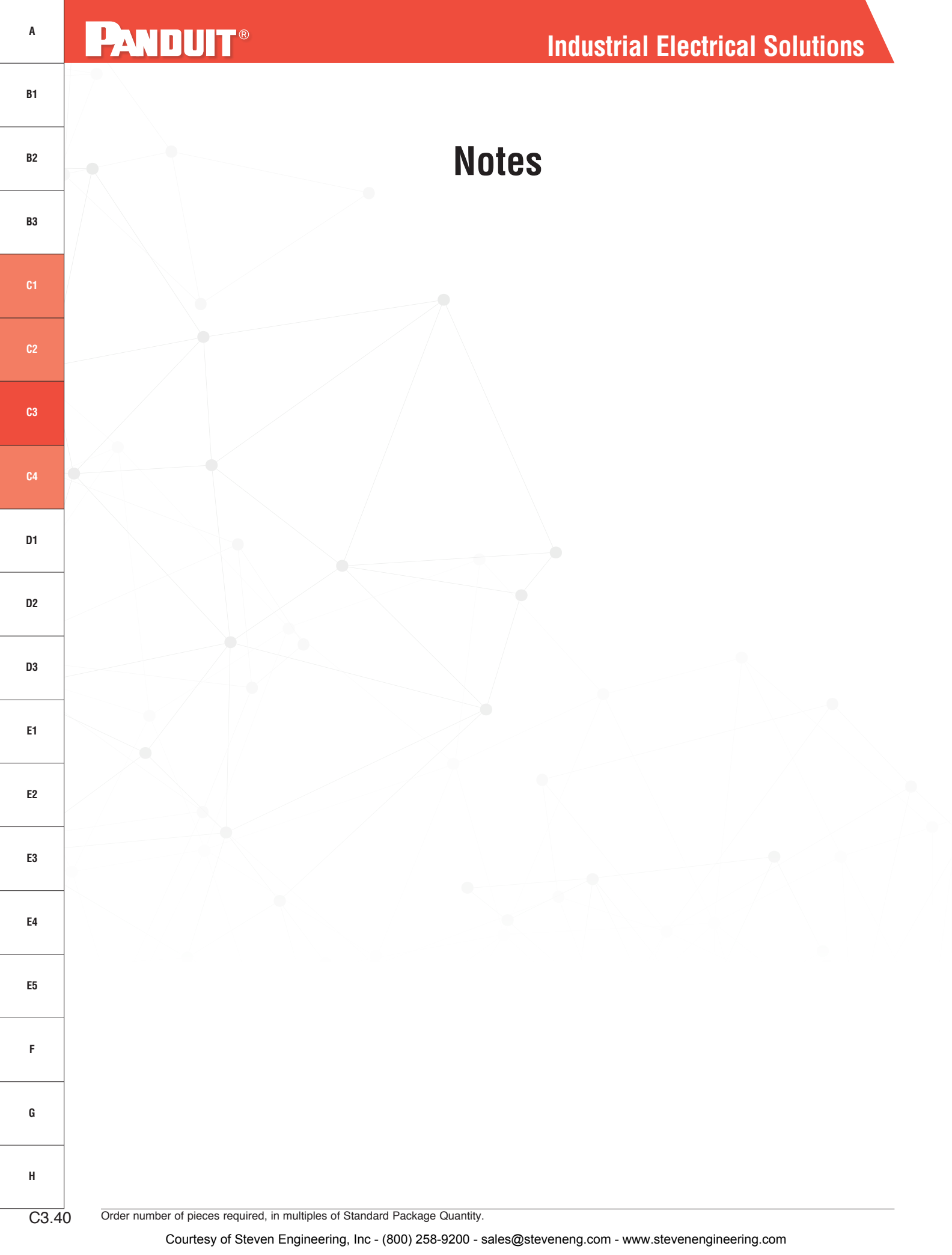
A multi-conductor cable needs to be covered with HSTT Type Dry-Shrink™ Heat Shrink. The area to be covered has a measured outside diameter of 0.700" (17.8mm). The two possibilities are HSTT75-48-5 and HSTT100-48-5.

Part Number	Expander I.D. In. (mm)	Recovered I.D. In. (mm)
HSTT75-48-5	0.750 (19.1)	0.375 (9.5)
HSTT100-48-5	1.00 (25.4)	0.500 (12.7)

The proper choice is HSTT100-48-5 since the tube will recover more than HSTT75-48-5. The HSTT75-48-5 will fit over the 0.700 inch (17.8mm) outside diameter; however, this is not the proper choice since it is smaller than the HSTT100-48-5. In general, heat shrink should recover at least 10% – 20%.

Notes

A
B1
B2
B3
C1
C2
C3
C4
D1
D2
D3
E1
E2
E3
E4
E5
F
G
H



Notes

A

B1

B2

B3

C1

C2

C3

C4

D1

D2

D3

E1

E2

E3

E4

E5

F

G

H

C3.40

Recommended Tubing Size for Common Wire Types Based on Location For Insulated Wire, Non-Insulated Wire, and Insulated Wire with Copper Connectors

Instructions for Tube Selection:

1) Determine location type.

LOCATION:

DRY: A location not normally subject to dampness or wetness. A location classified as dry may be temporarily subject to dampness or wetness, as in the case of a building under construction.

DAMP: Partially protected locations under canopies, marquees, roofed open porches and like locations, and interior locations subject to moderate degrees of moisture, such as some basements, barns, and cold-storage warehouses.

WET: Installations underground or in concrete slabs or masonry in direct contact with the earth, and locations subject to saturation with water or other liquids, such as vehicle washing areas, and locations exposed to weather and unprotected.

2) Match wire size to location type under required application – insulated wire, non-insulated wire, or insulated wire with copper connectors.

3) Read corresponding part number.

4) Part numbers with “-Y” are packages containing 6 inch pieces. Part numbers with “-48” are 48 inch pieces.

5) Part numbers shown below are for black heat shrink.

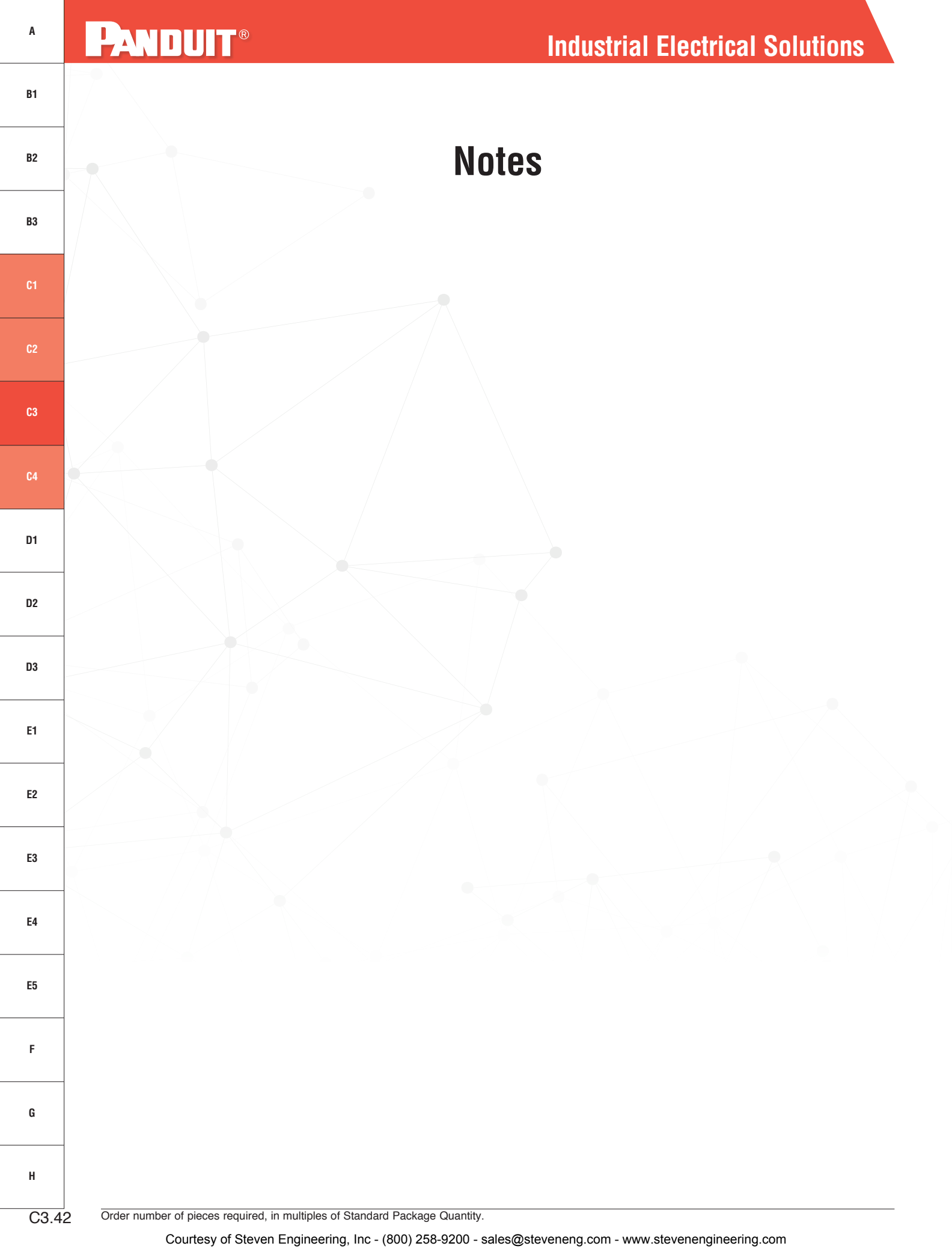
Wire Size	Insulated Wire with Copper Connector			Uninsulated Wire		
	Dry-Shrink™	Damp-Shrink™	Wet-Shrink™	Dry-Shrink™	Damp-Shrink™	Wet-Shrink™
24	HSTT09-Y	HSTTA19-Y	—	—	—	—
22	HSTT09-Y	HSTTA19-Y	—	HSTT05-Y	—	—
20	HSTT12-Y	HSTTA19-Y	—	HSTT05-Y	—	—
18	HSTT12-Y	HSTTA19-Y	—	HSTT06-Y	—	—
16	HSTT19-Y	HSTTA25-Y	—	HSTT09-Y	—	—
14	HSTT19-Y	HSTTA25-Y	—	HSTT09-Y	HSTTA19-Y	—
12	HSTT25-Y	HSTTA38-Y	—	HSTT012-Y	HSTTA19-Y	—
10	HSTT25-Y	HSTTA38-Y	HST0.4-48-5Y	HSTT19-Y	HSTTA25-Y	—
8	HSTT38-Y	HSTTA50-Y	HST0.4-48-5Y	HSTT19-Y	HSTTA25-Y	—
6	HSTT50-Y	HSTTA50-Y	HST0.8-48-5Y	HSTT25-Y	HSTTA38-Y	HST0.4-48-5Y
4	HSTT50-Y	HSTTA75-Y	HST0.8-48-5Y	HSTT38-Y	HSTTA50-Y	HST0.4-48-5Y
3	HSTT50-Y	HSTTA75-Y	HST0.8-48-5Y	HSTT38-Y	HSTTA50-Y	HST0.4-48-5Y
2	HSTT75-Y	HSTTA100-Y	HST1.1-48-5Y	HSTT38-Y	HSTTA50-Y	HST0.8-48-5Y
1	HSTT75-Y	HSTTA100-Y	HST1.1-48-5Y	HSTT50-Y	HSTTA75-Y	HST0.8-48-5Y
1/0	HSTT75-Y	HSTTA100-Y	HST1.1-48-5Y	HSTT50-Y	HSTTA75-Y	HST0.8-48-5Y
2/0	HSTT100-Y	HSTTA150-Y	HST1.5-48-5Y	HSTT50-Y	HSTTA100-Y	HST0.8-48-5Y
3/0	HSTT100-Y	HSTTA150-Y	HST1.5-48-5Y	HSTT75-Y	HSTTA100-Y	HST1.1-48-5Y
4/0	HSTT100-Y	HSTTA150-Y	HST1.5-48-5Y	HSTT75-Y	HSTTA100-Y	HST1.1-48-5Y
250	HSTT100-Y	HSTTA150-Y	HST2.0-48-2Y	HSTT100-Y	HSTTA100-Y	HST1.1-48-5Y
300	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y	HSTT100-Y	HSTTA150-Y	HST1.5-48-5Y
350	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y	HSTT100-Y	HSTTA150-Y	HST1.5-48-5Y
400	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y	HSTT100-Y	HSTTA150-Y	HST1.5-48-5Y
500	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y	HSTT100-Y	HSTTA150-Y	HST1.5-48-5Y
600	HSTT200-48-5	HSTTA150-Y	HST2.0-48-2Y	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y
700	HSTT200-48-5	HSTTA150-Y	HST2.0-48-2Y	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y
750	HSTT200-48-5	HSTTA150-Y	HST3.0-48-2Y	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y
800	HSTT200-48-5	HSTTA150-Y	HST3.0-48-2Y	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y
900	HSTT200-48-5	—	HST3.0-48-2Y	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y
1000	HSTT200-48-5	—	HST3.0-48-2Y	HSTT150-48-5	HSTTA150-Y	HST2.0-48-2Y
1250	HSTT200-48-2	—	HST3.0-48-2Y	HSTT200-48-5	HSTTA150-Y	HST2.0-48-2Y
1500	HSTT300-48-2	—	HST3.0-48-2Y	HSTT200-48-5	—	HST2.0-48-2Y
1750	HSTT300-48-2	—	HST3.0-48-2Y	HSTT200-48-5	—	HST2.0-48-2Y
2000	HSTT300-48-2	—	HST3.0-48-2Y	HSTT200-48-5	—	HST2.0-48-2Y

Sizing information is based on the following wire types: MTW, THHN, THWN, TFN, THW, TW, TF, RHW, RH, RHH and UL 1015.

THHN is the most common wire type.

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Notes



Cable Management

Panduit® offers a complete line of cable management products and accessories to route and secure cable. These products are an essential part of a clean, professional installation, which help improve quality and increase system performance.

- **Maintains bend radius control and cable performance while bundling and securing cable to prevent snags and stress from over bending**
- **Allows for easier moves, adds, and changes while reducing stress on cable**
- **Organizes cable in a variety of applications where depth is critical or space is limited**

Panduit solutions provide the options necessary to handle the most demanding installations while providing the flexibility to facilitate system upgrades now and in the future.



J-Pro™ Cable Support System



- Patented design provides complete horizontal and vertical 1" (25.4mm) bend radius control that helps prevent degradation of cable performance
- UL 2043 and CAN/ULC S102.2 listed and suitable for use in air handling spaces
- Pre-ripped assemblies allow for attachment to walls, ceilings, beams, threaded rods, drop wires and underfloor supports to meet requirements of a variety of applications
- Wide cable support base prevents pinch points that could cause damage to cables
- Cable tie channel allows user to easily install 3/4" Tak-Ty® Cable Ties to retain cable bundle
- Durable non-metallic J Hook materials provide the ability to manage and support a large number of cables
- Standard product is black. For color options see page C4.4



JP2W-L20



JP2WP2B-L20



JP2CMB-L20



JP2DW-L20



JP2SBC50-L20



JP2SBC50RB-L20

Part Number*	Part Description	Max. Bundle Capacity		Max. Cable Capacity			Std. Pkg. Qty.
		In.	mm	Cat. 6A (0.30")	Cat. 6 (0.24")	Cat. 5e (0.23")	

Wall Mount

JP75W-L20	J Hook for wall mount applications. One 1/4" (M6) mounting hole for user supplied screw.	0.75	19.0	5	8	10	50
JP131W-L20		1.31	33.3	15	25	29	
JP2W-L20		2.00	50.8	30	46	55	
JP4W-X20		4.00	101.6	115	180	200	10

Wall Mount with Bracket

JP75WP2B-L20	J Hook for powder actuated installation on walls. One 5/32" (M4) mounting hole for user supplied fasteners.	0.75	19.0	5	8	10	50
JP131WP2B-L20		1.31	33.3	15	25	29	
JP2WP2B-L20		2.00	50.8	30	46	55	
JP4WP2B-X20		4.00	101.6	115	180	200	10

Ceiling Mount

JP75CMB-L20	J Hook with ceiling mount bracket that has one 3/16" (M5), 1/4" (M6), and 3/8" (M10) mounting hole.	0.75	19.0	5	8	10	50
JP131CMB-L20		1.31	33.3	15	25	29	
JP2CMB-L20		2.00	50.8	30	46	55	
JP4CMB-X20		4.00	101.6	115	180	200	10

Drop Wire and Threaded Rod Clip

JP75DW-L20	J Hook with clip for use with #12 wire, threaded rod up to 1/4" (6.4mm) in diameter, or 1/8" – 1/4" (3.2mm – 6.4mm) thick flanges.	0.75	19.0	5	8	10	50
JP131DW-L20		1.31	33.3	15	25	29	
JP2DW-L20		2.00	50.8	30	46	55	
JP4DW-L20		4.00	101.6	115	180	200	10

Screw-On Beam Clamps

JP75SBC50-L20	J Hook with screw-on beam clamp for use with flanges up to 1/2" (12.7mm) thick.	0.75	19.0	5	8	10	50
JP131SBC50-L20		1.31	33.3	15	25	29	
JP2SBC50-L20		2.00	50.8	30	46	55	
JP4SBC50-X20		4.00	101.6	115	180	200	10
JP75SBC50RB-L20	J Hook with screw-on beam clamp for use with flanges up to 1/2" (12.7mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10	50
JP131SBC50RBL20		1.31	33.3	15	25	29	
JP2SBC50RB-L20		2.00	50.8	30	46	55	
JP4SBC50RB-X20		4.00	101.6	115	180	200	10

*Suitable for use in air handling spaces in accordance with Sec. 300-22(c) and (d) of the National Electrical Code. JP4 family of parts suitable for use in single unit configurations. Listed in accordance with CAN/ULC S102.2 when mounted as single units or in pairs. Minimum spacing of 4' (1220mm) required between mount points. (Flame spread rating = 0, Smoke developed classification = 30)

Continued on next page



J-Pro™ Cable Support System (continued)



JP2SBC87-L20



JP2SBC87RB-L20

JP2HBC25RB-L20
JP2HBC50RB-L20
JP2HBC75RB-L20

JP2ZP-L20



JP2CP-L20



JP2UF100-L20

Part Number*	Part Description	Max. Bundle Capacity		Max. Cable Capacity			Std. Pkg. Qty.
		In.	mm	Cat. 6A (0.30")	Cat. 6 (0.24")	Cat. 5e (0.23")	

Screw-On Beam Clamps

JP75SBC87-L20	J Hook with screw-on beam clamp for use with flanges up to 3/4" (19.1mm) thick.	0.75	19.0	5	8	10	50
JP131SBC87-L20		1.31	33.3	15	25	29	
JP2SBC87-L20		2.00	50.8	30	46	55	
JP4SBC87-X20	Non-rotating mount.	4.00	101.6	115	180	280	10
JP75SBC87RB-L20	J Hook with screw-on beam clamp for use with flanges up to 3/4" (19.1mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10	50
JP131SBC87RBL20		1.31	33.3	15	25	29	
JP2SBC87RB-L20		2.00	50.8	30	46	55	
JP4SBC87RB-X20		4.00	101.6	115	180	200	10

Hammer-On Beam Clamps

JP75HBC25RB-L20	J Hook with hammer-on beam clamp for use with flanges 1/8" – 1/4" (3.2mm – 6.4mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10	50
JP131HBC25RBL20		1.31	33.3	15	25	29	
JP2HBC25RB-L20		2.00	50.8	30	46	55	
JP4SBC50RB-X20		4.00	101.6	115	180	200	10
JP75HBC50RB-L20	J Hook with hammer-on beam clamp for use with flanges 5/16" – 1/2" (7.9mm – 12.7mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10	50
JP131HBC50RBL20		1.31	33.3	15	25	29	
JP2HBC50RB-L20		2.00	50.8	30	46	55	
JP4HBC50RB-X20		4.00	101.6	115	180	200	10
JP75HBC75RB-L20	J Hook with hammer-on beam clamp for use with flanges 9/16" – 3/4" (14.3mm – 19.1mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10	50
JP131HBC75RBL20		1.31	33.3	15	25	29	
JP2HBC75RB-L20		2.00	50.8	30	46	55	
JP4HBC75RB-X20		4.00	101.6	115	180	200	10

Z-Purlin Clips

JP75ZP-L20	J Hook with z-purlin clip for use with angled flanges up to 1/4" (6.4mm) thick.	0.75	19.0	5	8	10	50
JP131ZP-L20		1.31	33.3	15	25	29	
JP2ZP-L20		2.00	50.8	30	46	55	
JP4ZP-X20		4.00	101.6	115	180	200	10

C-Purlin Clips

JP75CP-L20	J Hook with c-purlin clip for use with vertical flanges up to 1/4" (6.4mm) thick.	0.75	19.0	5	8	10	50
JP131CP-L20		1.31	33.3	15	25	29	
JP2CP-L20		2.00	50.8	30	46	55	
JP4CP-X20		4.00	101.6	115	180	200	10

Underfloor Pedestal Support Clamp

JP75UF100-L20	J Hook with underfloor clamp for use with pedestal support 7/8" square or 1 1/8" – 1 3/8" in diameter.	0.75	19.0	5	8	10	50
JP131UF100-L20		1.31	33.3	15	25	29	
JP2UF100-L20		2.00	50.8	30	46	55	
JP4UF100-X20		4.00	101.6	115	180	200	10

*Suitable for use in air handling spaces in accordance with Sec. 300-22(c) and (d) of the National Electrical Code. JP4 family of parts suitable for use in single unit configurations. Listed in accordance with CAN/ULC S102.2 when mounted as single units or in pairs. Minimum spacing of 4' (1220mm) required between mount points. (Flame spread rating = 0, Smoke developed classification = 30)

B1 Color Selection Guide

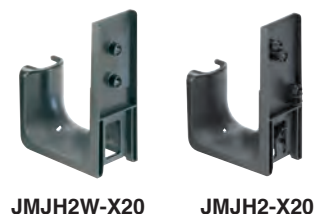
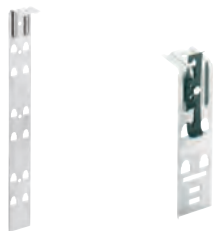
Base Part Number	Black	Red	Blue	White	Green	Orange
JP75W	-L20	-L2			-L5	-L3
JP75WP2B	-L20					
JP75CMB	-L20	-L2				
JP75DW	-L20	-L2	-L6			
JP75ZP	-L20					
JP75CP	-L20					
JP75SBC50	-L20					
JP75SBC87	-L20					
JP75SBC50RB	-L20	-L2		-L		
JP75SBC87RB	-L20					
JP75HBC25RB	-L20					
JP75HBC50RB	-L20	-L2		-L		
JP75HBC75RB	-L20					
JP75UF100	-L20					
JP131W	-L20	-L2	-L6		-L5	-L3
JP131WP2B	-L20					
JP131CMB	-L20					
JP131DW	-L20		-L6			
JP131ZP	-L20					
JP131CP	-L20					
JP131SBC50	-L20					
JP131SBC87	-L20					
JP131SBC50RB	-L20	-L2		-L		
JP131SBC87RB	-L20					
JP131HBC25RB	-L20					
JP131HBC50RB	-L20	-L2		-L		
JP131HBC75RB	-L20					
JP131UF100	-L20					
JP2W	-L20	-L2	-L6	-L	-L5	-L3
JP2WP2B	-L20					
JP2CMB	-L20	-L2	-L6			
JP2DW	-L20	-L2	-L6	-L		
JP2ZP	-L20					
JP2CP	-L20					
JP2SBC50	-L20			-L		
JP2SBC87	-L20			-L		
JP2SBC50RB	-L20	-L2		-L		
JP2SBC87RB	-L20	-L2				
JP2HBC25RB	-L20					
JP2HBC50RB	-L20	-L2		-L		
JP2HBC75RB	-L20					
JP2UF100	-L20					
JP4W	-X20	-X2	-X6	-X		
JP4WP2B	-X20					
JP4CMB	-X20			-X6		
JP4ZP	-X20					
JP4CP	-X20					
JP4SBC50	-X20			-X		
JP4SBC87	-X20					
JP4SBC50RB	-X20	-X2		-X		
JP4SBC87RB	-X20					
JP4HBC25RB	-X20					
JP4HBC50RB	-X20	-X2		-X		
JP4HBC75RB	-X20					
JP4UF100	-X20					

Other colors available. Please refer to www.panduit.com.

**J-Mod® Cable Support System**

- Modular design allows flexibility to assemble system in multiple configurations
- Unique chaining bracket design creates a strong metal backbone and allows expansion of the system without disturbance of an existing installation
- Brackets allow for attachment to ceilings, beams, threaded rods and drop wires to meet requirements of a variety of applications

- Manufactured from materials that meet UL 2043 and are suitable for use in air handling spaces
- Complete horizontal and vertical 1" bend radius control
- Cables do not come in contact with metal

**JMJH2W-X20****JMJH2-X20****JMCB-X****JMCMB25-1-X****JMCMB25-3-X****JMDWB-1-X****JMDWB-3-X****JMTRB38-1-X**

Part Number	Part Description	Material	Std. Pkg. Qty.	Std. Ctn. Qty.
J Hook with Maximum 2" Bundle Capacity				
JMJH2W-X20*	J Hook for wall mount applications only. Two 1/4" (M6) mounting holes for user supplied screws.	Nylon 6.6	10	50
JMJH2-X20*	J Hook with snap lock attachments for use with all brackets listed below.			
Chaining Bracket				
JMCB-X	Chaining bracket to extend J-Mod® capacity one level. Capacity: three levels maximum. For use with all single-level mounting brackets listed below.	Zinc Plated Steel	10	50
Ceiling Mount Brackets				
JMCMB25-1-X	Single-level ceiling mount bracket with one 1/4" (M6) mounting hole.	Nylon 6.6	10	50
JMCMB25-3-X**	Three-level ceiling mount bracket with one 1/4" (M6) mounting hole. Maximum capacity of six J Hooks.			
Drop Wire Brackets				
JMDWB-1-X	Single-level drop wire bracket. Attaches to #12 wire or 1/4" (6.4mm) plain rod. Maximum capacity of one J Hook per level.	Galvanized Steel with Metal Attachments	10	50
JMDWB-3-X**	Three-level drop wire bracket. Attaches to #12 wire or 1/4" (6.4mm) plain rod. Maximum capacity of one J Hook for each of three levels. Maximum static load of 40 pounds.			
Threaded Rod Brackets				
JMTRB38-1-X	Single-level threaded rod bracket. Accepts 1/4" – 3/8" (6.4mm – 9.5mm) threaded rod.	Galvanized Steel with Metal Attachments	10	50
JMTRB38-3-X**	Three-level threaded rod bracket. Accepts 1/4" – 3/8" (6.4mm – 9.5mm) threaded rod. Maximum capacity of six J Hooks.			

*Suitable for use in air handling spaces and listed in accordance with UL 2043 and CAN/ULC S102.2 when mounted as single units or in pairs. Maximum spacing of 4' (1220mm) required between mount points. (Flame Spread Rating = 0, Smoke Developed Classification = 30)

**Not for use with chaining brackets.

Continued on next page


PATENTED

J-Mod® Cable Support System (continued)


JMTTB38-3-X
JMSBCB87-1-X

JMSBCB87-3-X

Part Number	Part Description	Material	Std. Pkg. Qty.	Std. Ctn. Qty.
Screw-On Beam Clamp Brackets				
JMSBCB87-1-X	Single-level screw-on beam clamp bracket for use with flanges up to 3/4" (19.1mm) thick.	Galvanized Steel with Metal Attachments	10	50
JMSBCB87-3-X**	Three-level screw-on beam clamp bracket for use with flanges up to 3/4" (19.1mm) thick. Maximum capacity of six J Hooks.			

*Suitable for use in air handling spaces and listed in accordance with UL 2043 and CAN/ULC S102.2 when mounted as single units or in pairs. Maximum spacing of 4' (1220mm) required between mount points. (Flame Spread Rating = 0, Smoke Developed Classification = 30)

**Not for use with chaining brackets.

Max. Cable Capacity

	Max. Cable Capacity		
	Cat. 6A (0.310")	Cat. 6 (0.236")	Cat. 5e (0.193")
JMJH2W or JMJB2	30	50	70

Bridle Rings and Fastening Clip

- Multiple diameters, thread sizes, and configurations
- Threaded and non-threaded sizes are compatible with spring steel clip (BR-MPCL) clamp providing a solid securing point for the bridle ring
- Other unique labor saving assemblies differentiate from competition – including pre-assemblies with powder actuated fasteners, toggle wings, and clearance holes for user supplied fasteners


Non-Threaded #8 Wire
Threaded

Wood Screw Thread
Power Actuated Fastener

User Supplied Nail or Fastener
Integrated Toggle Screw

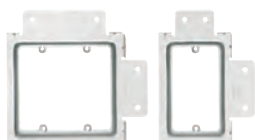
Part Number	Part Description	Std. Pkg. Qty.
J Hook with Maximum 2" Bundle Capacity		
BR-2.0	Bridle ring, 2.00" dia., non-threaded #8 wire (.162).	100
BR-.50-10-24	Bridle ring, 0.50" dia., 10 – 24 threaded.	
BR-.75-10-24	Bridle ring, 0.75" dia., 10 – 24 threaded.	
BR-1.25-10-24	Bridle ring, 1.25" dia., 10 – 24 threaded.	
BR-2.0-10-24	Bridle ring, 2.00" dia., 10 – 24 threaded.	
BR-1.25-1/4-20	Bridle ring, 1.25" dia., 1/4 – 20 threaded.	
BR-2.0-1/4-20	Bridle ring, 2.00" dia., 1/4 – 20 threaded.	50
BR-4.0-1/4-20	Bridle ring, 4.00" dia., 1/4 – 20 threaded.	
BR-1.25-14WS	Bridle ring, 1.25" dia., 16 wood screw thread.	100
BR-2.0-14WS	Bridle ring, 2.00" dia., 16 wood screw thread.	
BR-1.5-PAF	Bridle ring, 1.50" dia., with powder actuated fastener.	50
BR-2.0-PAF	Bridle ring, 2.00" (50.8mm) dia., with powder actuated fastener.	
BR-1.5-SN	Bridle ring, 1.50" dia., user supplied nail or fastener.	100
BR-2.0-SN	Bridle ring, 2.00" dia., user supplied nail or fastener.	
BR-1.5-TW	Bridle ring, 1.50" dia., with integrated toggle screw.	25
BR-2.0-TW	Bridle ring, 2.00" dia., with integrated toggle screw.	

Order number of pieces required, in multiples of Standard Package Quantity.

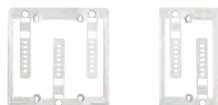
Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Low Voltage Mounting Brackets

- Choose design styles for new install or retrofit install
- Available in both single and double gang configurations



New Install



Retrofit Install

Part Number	Part Description	Std. Pkg. Qty.
LV-S-1G	Low voltage integral mounting bracket for new installations, single gang stud bracket.	25
LV-S-2G	Low voltage integral mounting bracket for new installations, double gang stud bracket.	25
LV-W-1G	Low voltage mounting bracket for retrofit installations; single gang box with screws; suitable for wall material thicknesses of 1/2" to 1 1/2".	100
LV-W-2G	Low voltage mounting bracket for retrofit installations; double gang box with screws; suitable for wall material thicknesses of 1/2" to 1 1/2".	50

Metal Stud Accessories

- Metal stud grommets and cable support manager support and protect cable within the building structure
- Metal Stud Punching Tool punches a 1-11/32" (34.1mm) round hole in 25 GA. min. to 20 GA max. mild steel studs; contoured handle; lightweight aluminum head; automatic hole centering on standard width (3.625") studs; replaceable punch and dies; self-stripping design that eliminates or reduces punch hang-ups



MSG-1.3-C



MSGV-1.3-C



CSM-1.25-C



MSPT-1.3

Part Number*	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
MSG-1.3-C	Metal stud grommet, 1-11/32" hole.	100	1000
MSGV-1.3-C	Metal stud grommet, 1-11/32" hole, anti-vibration for 1/2" to 1" pipe.		
CSM-1.25-C	Cable stud manager for 1.25" cable spacing.		
MSPT-1.3	Metal stud punch tool with contoured handle for increased leverage.	1	—