

# Series 10-TU Polyurethane Tubing

RoHS

## How to Order

For general pneumatic tubing  
Flexible  
Polyurethane tubing



10 - TU0425

BU - 20

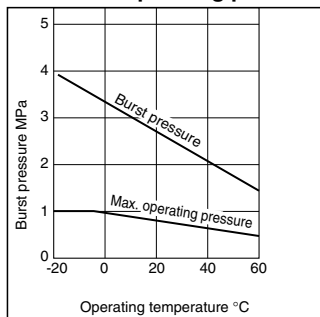
Clean series

Tubing model

Color  
B — Black  
W — White  
R — Red  
BU — Blue  
Y — Yellow  
G — Green  
C — Clear  
YR — Orange

Length per roll  
20 — 20 m roll

## Burst Pressure Characteristics Curve and Operating pressure



## Model

● — 20 m roll

Model	Tubing size						
	Inch size (Series TIUB)	Metric size (Series TU)					
	10-TIUB01	10-TU0212	10-TU0425	10-TU0604	10-TU0805	10-TU1065	10-TU1208
O.D. (mm)	3.2	2	4	6	8	10	12
I.D. (mm)	2	1.2	2.5	4	5	6.5	8

Black (B)	●	●	●	●	●	●	●
White (W)	●	●	●	●	●	●	●
Red (R)	●	●	●	●	●	●	●
Blue (BU)	●	●	●	●	●	●	●
Yellow (Y)	●	●	●	●	●	●	●
Green (G)	●	●	●	●	●	●	●
Clear (C)	●	●	●	●	●	●	●
Orange (YR)	●	●	●	●	●	●	●

## Specifications

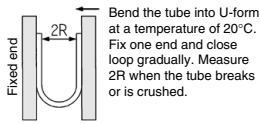
Fluid	Air, Water	
Max. operating pressure (20°C)	0.8 MPa	
Burst pressure	Refer to the burst pressure characteristics curve.	
Recommended fittings	Clean series fittings 10-KQ2, 10-KF, 10-KDM, 10-KG 10-M, 10-MS, KP, KPQ, KPG	
Min. bending radius (mm)	10	4 15 20 27 35
Operating temperature	-20 to 60°C, Water: 0 to 40°C (No freezing)	
Material	Polyurethane	
Cleanliness class (ISO class)	Class 3	

## ⚠ Precautions

Be sure to read this before handling.  
Refer to page 1382 for Safety Instructions and pages 1237 to 1240 for Fittings and Tubing Precautions.

## ⚠ Caution

- Applicable for general industrial water. Please consult with SMC if using for the other kind of fluid. Also, the surge voltage pressure must be under the maximum operating pressure. If the surge pressure exceeds the maximum operating pressure, it will result in damage to fittings and tubes.
- The value of the max. operating pressure is at a temperature of 20°C. Refer to the burst pressure characteristics curve for other temperatures. Furthermore, abnormal temperature rises caused by adiabatic compression may result in the burst of the tube.
- The value of the minimum bending radius is measured at the temperature of 20°C as shown in the figure on the right.



Directional Control Valves

Air Cylinders

Rotary Actuators

Air Grippers

Air Preparation Equipment

Modular F. R.

Pressure Control Equipment

Fittings & Tubing

Flow Control Equipment

Pressure Switches/Pressure Sensors