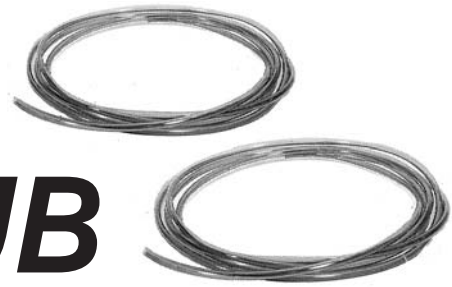


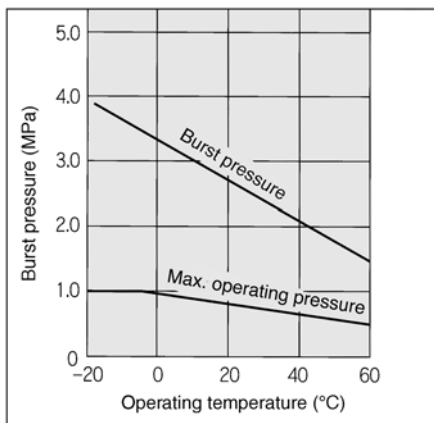
Polyurethane Tubing

Series TU, TIUB



For general air pressure tubing
Orange colour now becomes standard
100m roll available for all color types

Burst Pressure Characteristics Curve



Series Table

● : 20m roll □ : 100m roll

Model	Tube size									
	Metric size (Series TU)					Inch size (Series TIUB)				
	TU0425	TU0604	TU0805	TU1065	TU1208	TIUB01	TIUB05	TIUB07	TIUB11	TIUB13
Tube O.D. (mm)	4	6	8	10	12	3.18	4.76	6.35	9.53	12.7
Tube I. D. (mm)	2.5	4	5	6.5	8	2	3.18	4.23	6.35	8.46
Black (B)	●	●	●	●	●	●	●	●	●	●
White (W)	●	●	●	●	●	●	●	●	●	●
Red (R)	●	●	●	●	●	●	●	●	●	●
Blue (BU)	●	●	●	●	●	●	●	●	●	●
Yellow (Y)	●	●	●	●	●	●	●	●	●	●
Green (G)	●	●	●	●	●	●	●	●	●	●
Clear (C)	●	●	●	●	●	●	●	●	●	●
Orange (YR)	●	●	●	●	●	●	●	●	●	●
	5/32"		5/16"			Nominal size (inch)				
						1/8"	3/16"	1/4"	3/8"	1/2"

Specifications

Fluid	Air, Water									
Max. operating pressure	0.8MPa at 20°C									
Burst pressure	Refer to pressure characteristics curve.									
Min. bending radius (mm)	10	15	20	27	35	10	15	23	27	35
Operating temperature	-20 to +60°C (Water: 0 to 40°C) (No freezing)									
Material	Polyurethane									

⚠ Precautions

Be sure to read before handling.
Refer to p.0-26 and 0-27 for Safety Instructions and common precautions on the products mentioned in this catalogue, and refer to p.2.0-7 and 2.0-8 for more detailed precautions of every series.

⚠ Caution

- Applicable for general industry water. Consult SMC if using for other kinds of fluids. Surge pressure must be under the max. operating pressure. If exceeding that value, fitting may be damaged and tubing may burst.
- The value of the max. operating pressure is at a temperature of 20°C. Refer to the burst pressure characteristics curve for other temperatures. Avoid abnormal temperature rises which may burst the tubing.
- The values of the min. bending radius is at a temperature of 20°C. Higher temperatures allow the tubing to bend more.

How to Order

TU0425 BU 20

Indication of tube model

Colour indication

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

Length per roll

Symbol	Roll size*
20	20m roll
100	100m roll

Made to Order

- 100m roll for Metric size (black, white, red, blue, yellow, green) and Inch size (black, white, red, blue, yellow, green)

Suffix "-X3" to the end of part number.

Ex.) TIUB01Y-100-X3

* Consult SMC in case of ø16.

- 20m roll for Inch size (except black and white)

Suffix "-X4" to the end of part number.

Ex.) TIUB01Y-20-X4

- Longer roll length (black, white, red, blue, yellow, green)

Suffix "-X3" to the end of part number.

Ex.) TU0425B-500-X3

* Available 150m for ø10, 200m for ø8, 500m for ø4 and ø6. Contact SMC for other lengths.

K□

M□

H□

D□

MS

T□

LQ

Clean Room