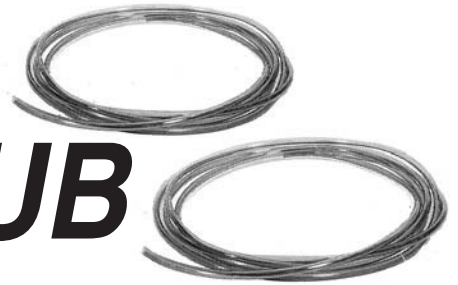


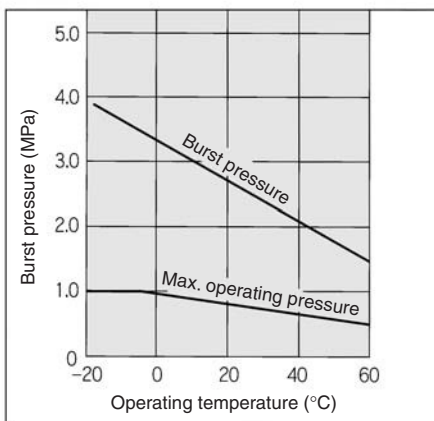
# Polyurethane Tubing

## Series TU/TIUB



For general pneumatic tubing  
Flexible  
Polyurethane tubing  
Additional 21 new colors.

### Burst Pressure Characteristics Curve and Operating Pressure

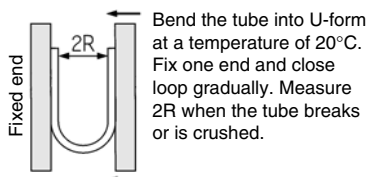


### ⚠ Precautions

Be sure to read before handling. Refer to front matters 58 and 59 for Safety Instructions and pages 13 to 16 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 below.



### Model/Specifications

● — 20 m roll □ — 100 m roll  
△ — Option ■ — Manufactured upon receipt of order (Please consult with SMC.)

Model	Tubing size											
	Metric size (Series TU)						Inch size (Series TIUB)					
	TU0212	TU0425	TU0604	TU0805	TU1065	TU1208	TU1610	TIUB01	TIUB05	TIUB07	TIUB11	TIUB13
Tubing O.D. (mm)	2	4	6	8	10	12	16	3.18	4.76	6.35	9.53	12.7
Tubing I.D. (mm)	1.2	2.5	4	5	6.5	8	10	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)	■	●	●	●	●	●	■	●	△	△	△	△
Solid blue (BU1)	■	●	●	●	●	●	■	●	■	■	■	■
Clear blue (BU2)	■	●	●	●	●	●	■	●	■	■	■	■
Medium blue (BU3)	■	●	●	●	●	●	■	●	■	■	■	■
Brown (BR1)	■	●	●	●	●	●	■	●	■	■	■	■
Solid green (G1)	■	●	●	●	●	●	■	●	■	■	■	■
Clear green (G2)	■	●	●	●	●	●	■	●	■	■	■	■
Neon green (G3)	■	●	●	●	●	●	■	●	■	■	■	■
Dark green (G4)	■	●	●	●	●	●	■	●	■	■	■	■
Gray (GR1)	■	●	●	●	●	●	■	●	■	■	■	■
Light gray (GR2)	■	●	●	●	●	●	■	●	■	■	■	■
Neon pink (P1)	■	●	●	●	●	●	■	●	■	■	■	■
Solid purple (PU1)	■	●	●	●	●	●	■	●	■	■	■	■
Clear purple (PU2)	■	●	●	●	●	●	■	●	■	■	■	■
Solid red (R1)	■	●	●	●	●	●	■	●	■	■	■	■
Clear red (R2)	■	●	●	●	●	●	■	●	■	■	■	■
Silver (S1)	■	●	●	●	●	●	■	●	■	■	■	■
Solid yellow (Y1)	■	●	●	●	●	●	■	●	■	■	■	■
Clear yellow (Y2)	■	●	●	●	●	●	■	●	■	■	■	■
Neon yellow (Y3)	■	●	●	●	●	●	■	●	■	■	■	■
Clear orange (YR1)	■	●	●	●	●	●	■	●	■	■	■	■
Neon orange (YR2)	■	●	●	●	●	●	■	●	■	■	■	■

Fluid	Air/Water											
Max. operating pressure at 20°C	0.8 MPa											
Burst pressure	Refer to the burst pressure characteristics curve.											
Applicable fittings	One-touch fittings, Insert fittings, Self-align fittings, Miniature fittings											
Min. bending radius (mm)	4	10	15	20	27	35	45	10	15	23	27	35
Operating temperature	-20 to +60°C (Water: 0 to 40°C) (No freezing)											
Material	Polyurethane											

**How to Order**

**TU0425 BU - 20**

Tubing model

Length per roll

Symbol	Length
20	20 m roll
100	100 m roll

Color

Symbol	Color	Symbol	Color
<b>B</b>	Black	<b>GR1</b>	Gray
<b>W</b>	White	<b>GR2</b>	Light gray
<b>R</b>	Red	<b>P1</b>	Neon pink
<b>BU</b>	Blue	<b>PU1</b>	Solid purple
<b>Y</b>	Yellow	<b>PU2</b>	Clear purple
<b>G</b>	Green	<b>R1</b>	Solid red
<b>C</b>	Clear	<b>R2</b>	Clear red
<b>YR</b>	Orange	<b>S1</b>	Silver
<b>BU1</b>	Solid blue	<b>Y1</b>	Solid yellow
<b>BU2</b>	Clear blue	<b>Y2</b>	Clear yellow
<b>BU3</b>	Medium blue	<b>Y3</b>	Neon yellow
<b>BR1</b>	Brown	<b>YR1</b>	Clear orange
<b>G1</b>	Solid green	<b>YR2</b>	Neon orange
<b>G2</b>	Clear green		
<b>G3</b>	Neon green		
<b>G4</b>	Dark green		

- K**
- M**
- H**
- KK**
- D**
- MS**
- LQ**
- MQR**
- T**

**Made to Order**

(Please contact SMC for specifications in detail, dimensions, delivery and specifications other than those mentioned above.)

- 100 m reel** Metric size and Inch size: Suffix "-X3" to the end of part number. Ex.) TU0425R-100-X3
- Longer length reel** Metric size: Suffix "-X3" to the end of part number. Ex.) TU0425G-500-X3
- 20 m roll** Inch size: Suffix "-X4" to the end of part number. Ex.) TIUB07W-20-X4

**Made to Order Availability**

Part no.	Length \ Model	TU0425 *	TU0604 *	TU0805 *	TU1065 *	TU1208 *	TIUB01 *	TIUB05 *	TIUB07 *	TIUB11 *	TIUB13 *	Color
<b>X3</b>	100 m reel	○	○	○	○	○	○	○	○	○	○	Black, White, Red, Blue, Yellow, Green, Clear, Orange
	200 m reel			○								
	400 m reel		○									
	500 m reel	○										
<b>X4</b>	20 m roll						○	○	○	○	○	Red, White, Yellow, Green, Clear, Orange