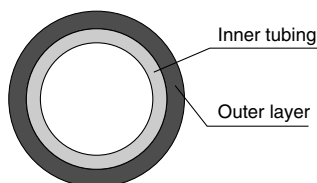


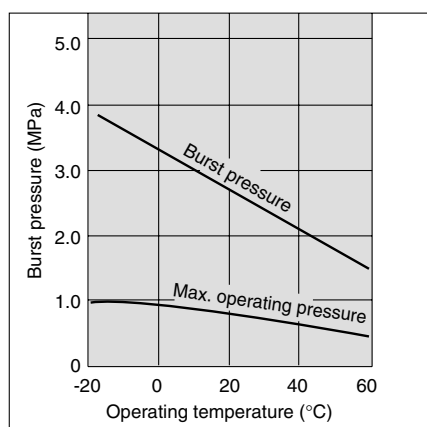
Flame Resistant (Equivalent to UL-94 Standard V-0) FR Double Layer Polyurethane Tubing Series *TRBU*

RoHS



Sectional view of FR double layer tubing

Burst Pressure Characteristics Curve and Operating Pressure



Model

● — 20 m roll □ — 100 m reel

Model	TRBU0604	TRBU0805	TRBU1065	TRBU1208
Inner tubing O.D. (mm)	6	8	10	12
Inner tubing I.D. (mm)	4	5	6.5	8
External layer thickness (mm)	1	1	1	1
(Note) External layer color	Black (B)	●	●	●
	White (W)	●	●	●
	Red (R)	●	●	●
	Blue (BU)	●	●	●
	Yellow (Y)	●	●	●
	Green (G)	●	●	●
Minimum bending radius (mm)	15	20	27	35

Specifications

Fluid	Air/Water	
Max. operating pressure (at 20°C)	0.8 MPa	
Burst pressure	Refer to the burst pressure characteristics curve.	
Recommended fittings	FR one-touch fittings: Series KR-W2	
Ambient and fluid temperature	-20 to 60°C Water: 0 to 40°C (No freezing)	
Material	Internal tubing	Polyurethane
	Outer layer	Polyolefin (Equivalent to UL-94 standard V-0)

(Note) The color of all inner tubing is black.

How to Order

TRBU1065 **B** - **100**

● **Tubing model**

● **Length per roll**

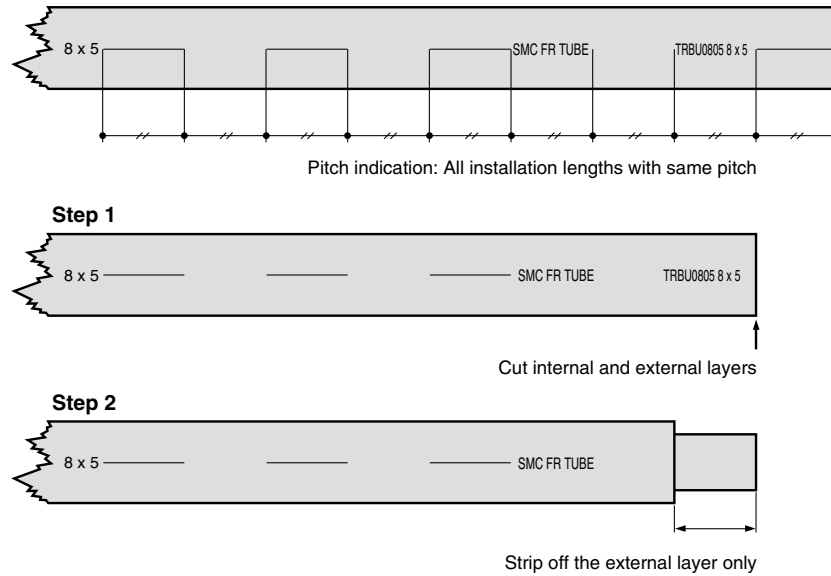
Symbol	Length
20	20 m roll
100	100 m reel

● **Color**

Symbol	Color	Symbol	Color
B	Black	BU	Blue
W	White	Y	Yellow
R	Red	G	Green

Installation on One-touch Fittings**⚠ Caution**

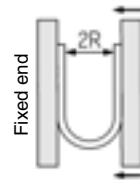
Lengths of tubes to be inserted into One-touch fittings are indicated on the outer layer of TRBU tubes. Cut the tube according to this indication, (Step 1) and then strip off the outer layer (Step 2) for installing into fittings.

**⚠ 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

1. 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.
2. 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.
3. The value of the minimum bending radius is measured at the temperature of 20°C as shown in the figure on the right.



Bend the tube into U-form at a temperature of 20°C. Fix one end and close loop gradually. Measure 2R when the tube breaks or is crushed.