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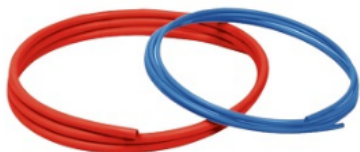
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Product Information > [WEB Catalog](#) > Product Number Check

Product Part Number: TRBU1065G-100



WEB Catalog

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[New Products](#)

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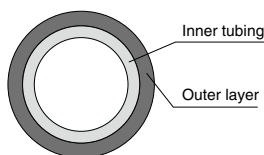
Specifications: TRBU Series Flame Resistant(Equivalent to UL-94 Standard V-0)FR Double Layer Polyurethane Tubing

- Max. operating pressure: 0.8 MPa (at 20°C)
- For use in spatter-generating atmospheres/Flame resistant (Equivalent to UL-94 Standard V-0)
- Superior restoring compared to the nylon tubing

Field	Value	Value Details
Tubing Model	1065	Tubing O.D 10 mm X Tubing I.D 6.5 mm
Color	G	Green
Length Per Roll	100	100m Reel

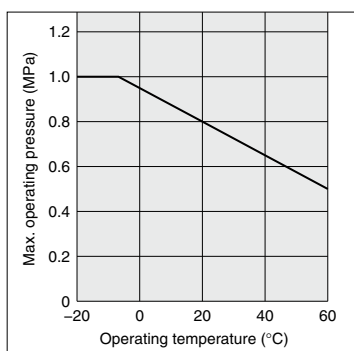
Flame Resistant (Equivalent to UL-94 Standard V-0) FR Double Layer Polyurethane Tubing **TRBU Series**

RoHS



Sectional view of FR double layer tubing

Max. 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

External layer color	Black (B)	●	●	●	●
	White (W)	●	●	●	●
	Red (R)	●	●	●	●
	Blue (BU)	●	●	●	●
	Yellow (Y)	●	●	●	●
	Green (G)	●	●	●	●

Minimum bending radius (mm)	15	20	27	35
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Specifications

Fluid		Air/Water	
Max. operating pressure (MPa)	20°C	0.8	
	40°C	0.65	
	60°C	0.5	
Operating vacuum pressure (kPa)		-101.3	
Applicable fittings		FR one-touch fittings: KR-W2 series	
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 1) The color of all inner tubing is black.

Note 2) The operating vacuum pressure varies depending on the applicable fitting, so refer to the fitting specifications for details.

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

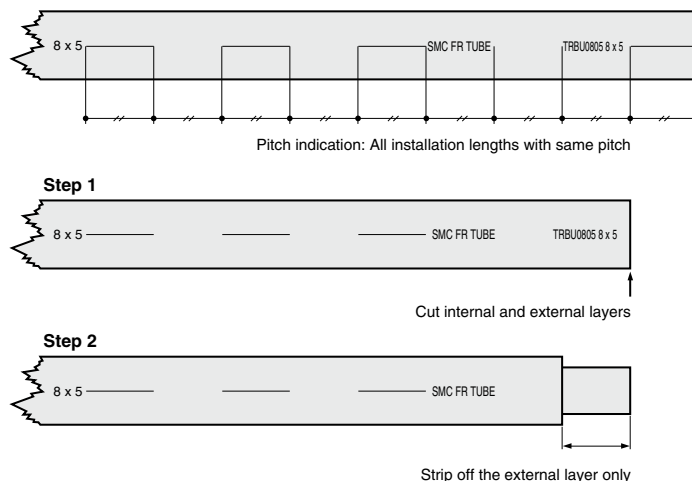
Note) The color of the outer layer of all tubing is opaque.

FR Double Layer Polyurethane Tubing **TRBU Series**

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.

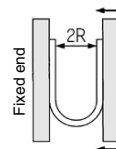


⚠ Precautions

Be sure to read this before handling the products.
Refer to page 11 for safety instructions and pages 14 to 18 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. If the surge pressure exceeds the maximum operating pressure, it will result in damage to fittings and tubes.
2. Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.
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.



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