

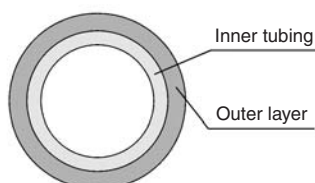
Flame Resistant (Equivalent to UL-94 Standard V-0) FR Double Layer Tubing

Series *TRB*

RoHS

Suitable for air and water piping in environments where sparks from spot welders, etc., may be a problem.

Double layer design using flame resistant resin (equivalent to UL-94 Standard V-0) for outer layer.



Sectional view of FR double layer tubing

Model

● — 20 m roll □ — 100 m reel

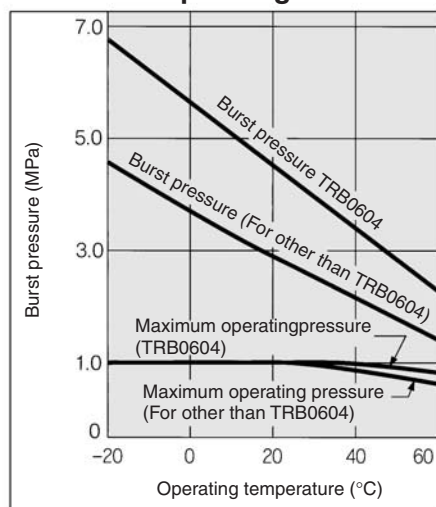
Model	TRB0604	TRB0806	TRB1075	TRB1209
Inner tubing O.D. (mm)	6	8	10	12
Inner tubing I.D. (mm)	4	6	7.5	9
Outer layer thickness (mm)	1	1	1	1
External layer color (Note)	Black (B)	●	●	●
	White (W)	●	●	●
	Red (R)	●	●	●
	Blue (BU)	●	●	●
	Yellow (Y)	●	●	●
	Green (G)	●	●	●
Min. bending radius (mm)	15	28	35	45

Specifications

Fluid	Air/Water	
Max. operating pressure (at 20°C)	1.0 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 60°C) (No freezing)	
Material	Inner tubing	Nylon 12
	Outer layer	PVC (Equivalent to UL-94 Standard V-0)

Note) The color of all inner tubing is black.

Burst Pressure Characteristics Curve and Operating Pressure



How to Order

TRB1075

B

100

Tubing model

Color

Length per roll

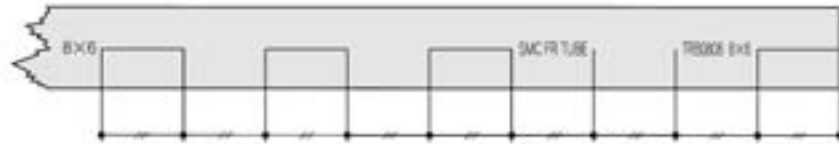
Symbol	Color	Symbol	Color
B	Black	BU	Blue
W	White	Y	Yellow
R	Red	G	Green

Symbol	Length
20	20 m roll
100	100 m reel

Installation on One-touch Fittings

⚠ Caution

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



Step 1



Step 2



⚠ 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.
If the surge pressure exceeds the maximum operating pressure, it will result in damage to fittings and tubing.
2. 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.

K	<input type="checkbox"/>
M	<input type="checkbox"/>
H	<input type="checkbox"/>
KK	<input type="checkbox"/>
D	<input type="checkbox"/>
MS	<input type="checkbox"/>
LQ	<input type="checkbox"/>
MQR	<input type="checkbox"/>
T	<input type="checkbox"/>