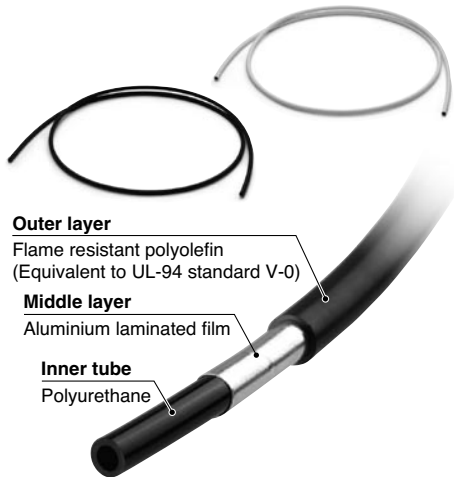


Flame Resistant (Equivalent to UL-94 Standard V-0) FR Three-layer Polyurethane Tubing

Series TRTU

RoHS



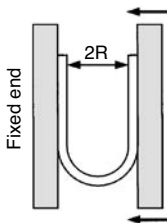
Outer layer
Flame resistant polyolefin
(Equivalent to UL-94 standard V-0)

Middle layer
Aluminium laminated film

Inner tube
Polyurethane

For general pneumatic and water piping in environments exposed to sparks from arc welding, etc.

How to measure the minimum bending radius



Bend the tube into the U-form at a temperature of 20°C. Fix one end and close loop gradually. Measure 2R when the deformed ratio of the tube diameter at bending reaches 5%.

Model

● — 20 m roll □ — 100 m reel

Model	TRTU0604	TRTU0805	TRTU1065	TRTU1208
Inner tube O.D. (mm)	6	8	10	12
Inner tube I.D. (mm)	4	5	6.5	8
Outer layer thickness (mm)	1	1	1	1

Note 3) Outer layer colour	Black (B)	●	□	●	□
	White (W)	●	□	●	□
	Red (R)	●	□	●	□
	Blue (BU)	●	□	●	□
	Yellow (Y)	●	□	●	□
	Green (G)	●	□	●	□

Specifications

Fluid Note 1)	Air, Water			
Applicable fittings	FR one-touch fittings: Series KR-W2 Metal one-touch fittings: Series KQB2			
Max. operating pressure	At 20°C	0.8 MPa		
	At 40°C	0.65 MPa		
	At 60°C	0.5 MPa		
Burst pressure	Refer to the burst pressure characteristics curve.			
Min. bending radius (mm) Note 2)	50	60	70	80
Ambient and fluid temperature	-20 to +60°C Water: 0 to 40°C (No freezing)			
Material	Inner tube	Polyurethane		
	Middle layer	Aluminium laminated film		
	Outer layer	Polyolefin (Equivalent to UL-94 standard V-0)		

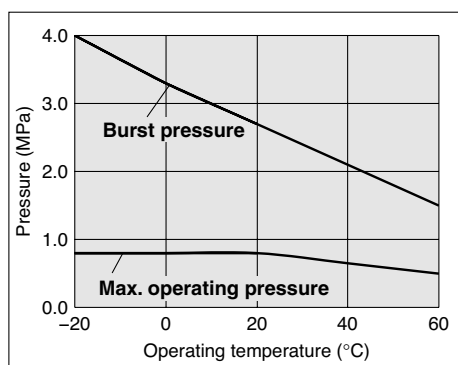
Note 1) Applicable for general industrial water. Please consult with SMC if using for the other kind of fluid. Also, the surge pressure must be under the maximum operating pressure.

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

Note 2) The minimum bending radius is the representative value measured as shown in the left figure. Allow extra length when piping since the tube may be bent if used under the minimum bending radius.

Note 3) The colour of all inner tubes is black.

Burst Pressure Characteristics Curve and Operating Pressure



How to Order

TRTU1065 B - 20

Tubing model

Model	Inner tube O.D. x I.D. (mm)
TRTU0604	6 x 4
TRTU0805	8 x 5
TRTU1065	10 x 6.5
TRTU1208	12 x 8

Colour

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

Length per roll

Symbol	Length
20	20 m roll
100	100 m reel