# FR Three-layer Polyurethane Tubing

## TRTU Series

Flame Resistant (Equivalent to UL-94 Standard V-0)



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



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%.

#### Max. Operating Pressure



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 color	Black (B) White (W) Red (R) Blue (BU) Yellow (Y)					
	Green (G)			<b>!</b>	<b>_</b>	

#### pecifications

Fluid Note 1)	Air, Water							
Applicable fitting	FR One-touch fittings: KR-W2 series Metal One-touch fittings: KQB2 series							
Max. operating pressure (MPa)	20°C	0.8						
	40°C	0.65						
	60°C	0.5						
Min. bending radius (mm) Note 2)		50	6	0	7	0	8	0
Ambient and flui	-20 to +60°C, Water: 0 to 40°C (No freezing)							
	Inner tube	Polyurethane						
Material	Middle layer	Aluminum 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 color of all inner tubes is black.

Note 4) Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.

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

### @SMC

Model

**TRTU0604** 

TRTU0805

TRTU1065

**TRTU1208** 

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#### Installation on One-touch Fittings



Strip off the aluminum laminated film to prevent the inner tube from being damaged.

