

FLAME RESISTANT SINGLE LAYER SOFT NYLON TUBING SERIES TRS & FLAME RESISTANT DOUBLE LAYER NYLON/PVC TUBING SERIES TRB

- ✓ Equivalent to UL-94 standard V-O
- ✓ Single and double layer tube available
- ✓ Resists weld spatter
- ✓ Complimented by one touch fittings KR/KRM and flame resistant speed controllers
- ✓ Up to 6 colour options
- ✓ 20m and 100m coils

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



SERIES TRS TABLE

Model	TRS0603	TRS0805	TRS1065	TRS1208
Tube O.D. (mm)	6	8	10	12
Tube I.D. (mm)	3	5	6.5	8
Black (B)	■	■	■	■
White (W)	■	■	■	■
Red (R)		■	■	■
Blue (BU)	■	■	■	■
Green (G)		■	■	■

■ 20m & 100m roll

TECHNICAL SPECIFICATIONS TRS

Operating fluid	Air, Water			
Max. operating pressure	1.2MPa(12.2kgf/cm ²) at 20°C			
Burst pressure	Refer to burst pressure characteristics curve.			
Min. bending radius (mm)	17	19	27	32
Operating temperature	-20 to +60°C Water: 5 to 60°C			
Material	Flame resistant nylon (UL standard V-O)			

SERIES TRB TABLE

Model	TRB0604	TRB0806	TRB1075	TRB129
Tube O.D. (mm)	6	8	10	12
Tube I.D. (mm)	4	6	7.5	9
Outer layer colour	Black (B)	■	■	■
	White (W)	■	■	■
	Red (R)	■	■	■
	Blue (BU)	■	■	■
	Yellow (Y)	■	■	■
	Green (G)	■	■	■

Minimum bending radius (mm)	15	28	35	45
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■ 20m & 100m roll

TECHNICAL SPECIFICATIONS TRB

Operating fluid	Air, Water	
Max. operating pressure ^{Note 3)}	1.0MPa(10.2kgf/cm ²) at 20°C	
Burst pressure	Refer to burst pressure characteristics curve.	
Operating temperature	-20 to 60°C Water: 5 to 60°C	
Material	Inner tube	Nylon 12
	Outer layer	PVC (Equivalent to UL-94, standard V-O)

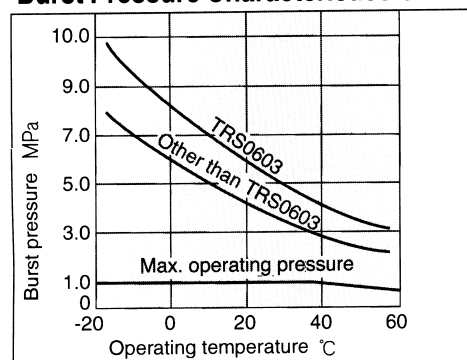
Note 1) The colour of all inner tube is black.

Note 2) Applicable only to general industrial water without surge pressure. For other applications, contact SMC

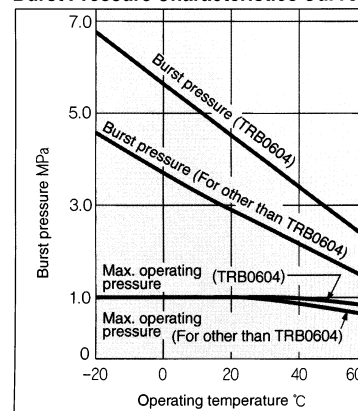
Note 3) Refer to burst pressure characteristics curve for other temperatures. Avoid abnormal temperature rises.

Note 4) The value for a temperature of 20°C and O.D. variable rate 10% max.

Burst Pressure Characteristics Curve



Burst Pressure Characteristics Curve



Caution

- ① Applicable for general industrial water. Consult SMC if used for any other kind of fluid. Surge pressure must be under the max. operating pressure. If exceeding that value, the fitting may be damaged and the tubing may burst.
- ② The values of the max. operating pressure are at a temperature of 20°C. Refer to the Burst Pressure Characteristics Curve for other temperatures. Avoid abnormal rise which may burst the tubing.
- ③ The values of the min. bending radius are at a temperature of 20°C and O.D. variable rate 10% max. In case that operating temperature is higher than 20°C, O.D. variable rate may be over 10% even if bending radius is within specified range.



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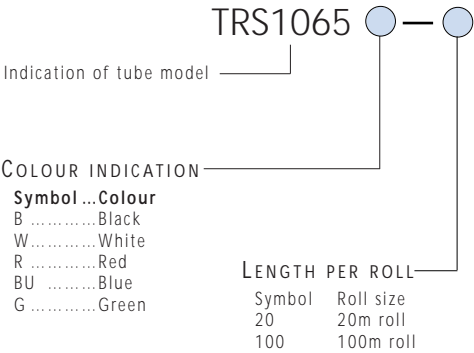


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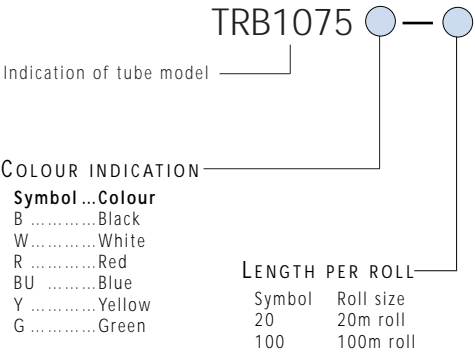
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SERIES

TRS

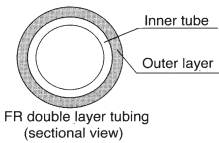


How To
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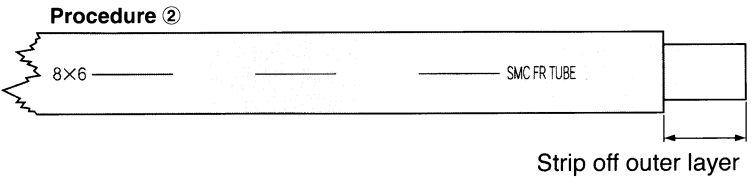
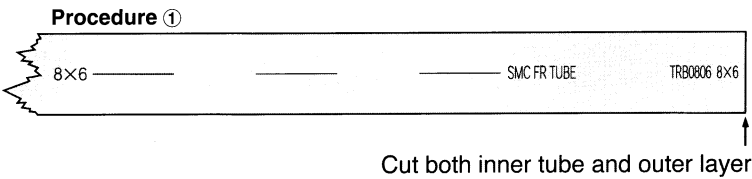
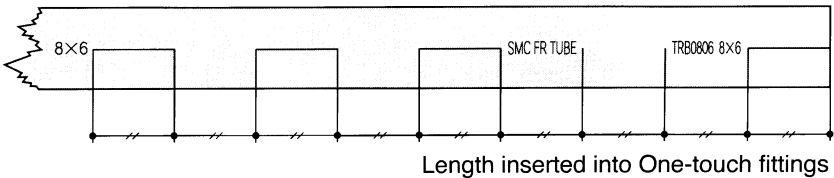
TRB



INSTALL
ONE TOUCH
FITTINGS



Caution: How to install TRB to one-touch fitting.
Length of tube to be inserted into One touch fitting is indicated on the outer layer of TRB tubing. Cut the tube according to this indication. (Procedure ①) and then strip of the outer layer. (Procedure ②) for installing tube.



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