

Трехслойные огнеупорные трубки TRTU $\varnothing 6 \sim 12$

для внутренней трубки

прочие цвета по запросу

TRTU 1065 B - 20

● Ролон

20	20м
100	100м

● Цвет*

B	черный
W	белый
R	красный
BU	синий
Y	желтый
G	зеленый


Внешний слой (огнеупорный полиолефин)
Средний слой (слоистая алюминиевая пленка)
Внутренняя трубка (полиуретан)

Типоразмер

	Наруж. \varnothing^*	Внутр. \varnothing^*
0604	6	4
0805	8	5
1065	10	6.5
1208	12	8

* для внутренней трубки

* прочие цвета по запросу



Модель		TRTU0604	TRTU0805	TRTU1065	TRTU1208
Диаметр внутренней трубки (мм)	Наружн.	6	8	10	12
	Внутр.	4	5	6.5	8
Толщина внешнего слоя (мм)		1			
Рабочая среда		Сжатый воздух, вода			
Совместимые быстрораз. соед.		Металлические: KQB2, огнеупорные: KR-W2			
Макс. рабочее давление (МПа)		При 20°C: 0.8; при 40°C: 0.65; при 60°C: 0.5			
Минимальный радиус изгиба (мм)		50	60	70	80
Диапазон температур рабочей и окружающей среды (°C)		-20 ~ +60 (вода: 0 ~ +40) Не допускать замерзания			
Материалы	Внутренняя трубка	Полиуретан			
	Средний слой	Алюминиевая пленка			
	Наружный слой	Полиолефин (класс воспламеняемости UL 94 V-0)			

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

FR Three-layer Polyurethane Tubing New

RoHS

Improved spatter resistance

Spatter resistance is **twice** that of FR double layer polyurethane tubing TRBU series. * In SMC conditions

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

Spatter resistance is improved by installing an aluminum layer between the outer layer and inner tube.



6-color variations



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

Series **TRTU**

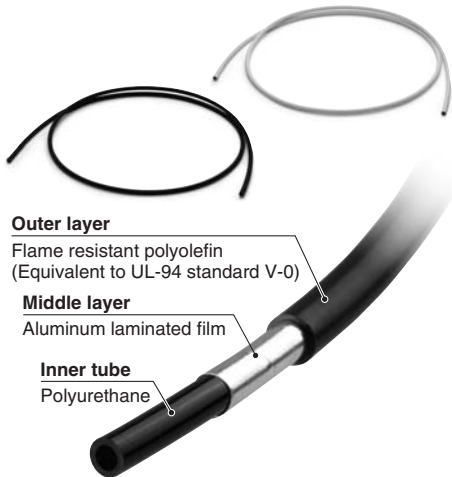


CAT.ES50-35A

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

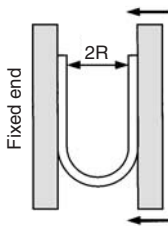
Series TRTU

RoHS



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

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

Outer layer color	Note 3)				
	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	Aluminum laminated film		
	Outer layer	Polyolefin (Equivalent to UL-94 standard V-0)		

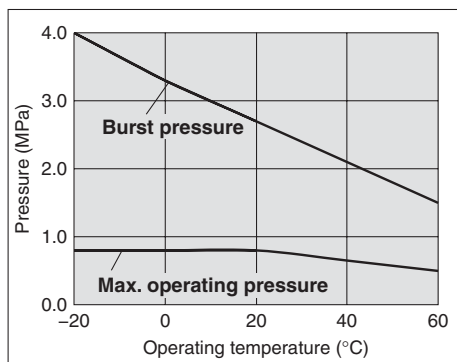
Note 1) Applicable for general industrial water. Please consult with SMC if using for the other kind of fluid. Also, the surge pressure must be under the maximum operating pressure.

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.

Burst Pressure Characteristics Curve and Operating Pressure



How to Order

TRTU1065 B - 20

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

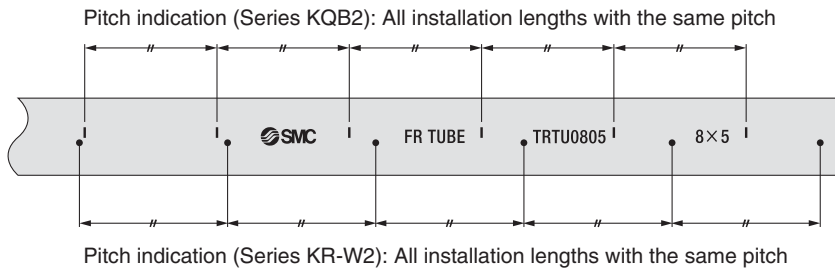
Symbol	Color
B	Black
W	White
R	Red
BU	Blue
Y	Yellow
G	Green

Symbol	Length
20	20 m roll
100	100 m reel

Installation on One-touch Fittings

Pitch length for installation on a one-touch fitting is indicated on the outer layer of the TRTU tubing. (There are two types of applicable fittings, so two types of pitch length for installation are available.) Cut the tube according to this indication (Step 1) and strip off the outer layer (Step 2) using a special tool. Strip off the aluminum laminated film to prevent the inner tube from being damaged (Step 3) and install it on the one-touch fitting. Refer to the Operation Manual for details of installation on the one-touch fitting.

The Operation Manual can be downloaded from the SMC URL below.
<http://www.smcworld.com/>



Identification of the pitch length for installation
 “//”: Series KQB2
 “•”: Series KR-W2

Metal one-touch fittings Series KQB2

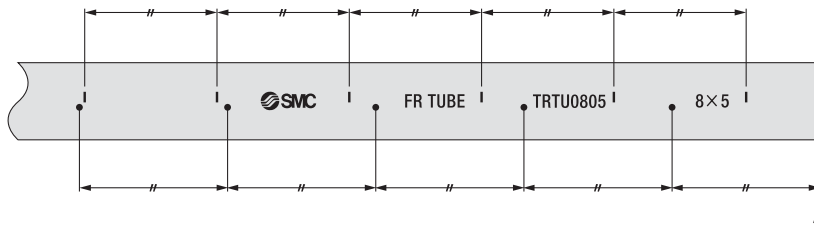


Flame resistant (equivalent to UL-94 standard V-0) FR one-touch fittings Series KR-W2



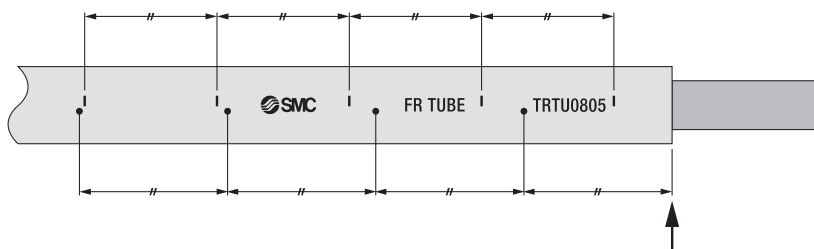
Installation on the KR-W2 series

Step 1



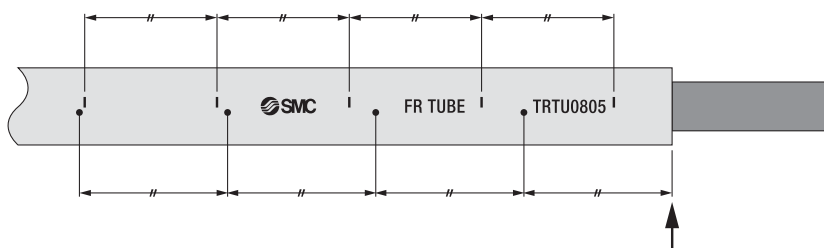
Outer layer, aluminum laminated film and inner tube are cut at the “•” mark.

Step 2



Strip off the outer layer.

Step 3



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

Use a special tool for stripping off the outer layer.

Part no.: YS-100

* Refer to the Operation Manual for details of how to use the special tool.

