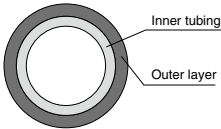


Flame Resistant (Equivalent to UL-94 Standard V-0) FR Double Layer Polyurethane Tubing

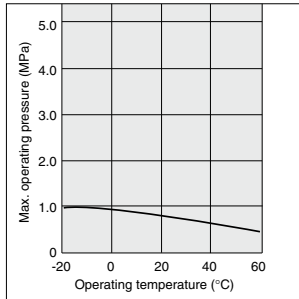
TRBU Series

RoHS



Sectional view of FR double layer tubing

Max. Operating Pressure



Model

● — 20 m roll □ — 100 m reel

| Model | TRBU0604 | TRBU0805 | TRBU1065 | TRBU1208 |
|---|------------|----------|----------|----------|
| Inner tubing O.D. (mm) | 6 | 8 | 10 | 12 |
| Inner tubing I.D. (mm) | 4 | 5 | 6.5 | 8 |
| External layer thickness (mm) | 1 | 1 | 1 | 1 |
| External layer color <small>(Note)</small> | Black (B) | ● □ | ● □ | ● □ |
| | White (W) | ● □ | ● □ | ● □ |
| | Red (R) | ● □ | ● □ | ● □ |
| | Blue (BU) | ● □ | ● □ | ● □ |
| | Yellow (Y) | ● □ | ● □ | ● □ |
| | Green (G) | ● □ | ● □ | ● □ |
| Minimum bending radius (mm) | 15 | 20 | 27 | 35 |

Specifications

| | | |
|-------------------------------|---|---|
| Fluid | Air/Water | |
| Max. operating pressure (MPa) | 20°C | 0.8 |
| | 40°C | 0.65 |
| | 60°C | 0.5 |
| Applicable fittings | FR one-touch fittings: KR-W2 series | |
| Ambient and fluid temperature | -20 to +60°C Water: 0 to 40°C (No freezing) | |
| Material | Internal tubing | Polyurethane |
| | Outer layer | Polyolefin (Equivalent to UL-94 standard V-0) |

(Note) The color of all inner tubing is black.

How to Order

TRBU1065 B - 100

Tubing model

Length per roll

| Symbol | Length |
|--------|------------|
| 20 | 20 m roll |
| 100 | 100 m reel |

Color

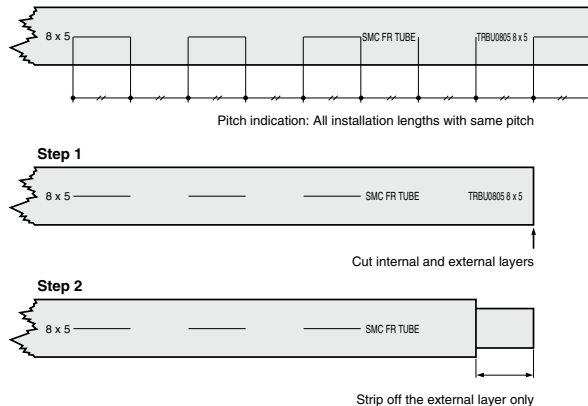
| Symbol | Color | Symbol | Color |
|--------|-------|--------|--------|
| B | Black | BU | Blue |
| W | White | Y | Yellow |
| R | Red | G | Green |

(Note) The color of the outer layer of all tubing is opaque.

Installation on One-touch Fittings

⚠ Caution

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

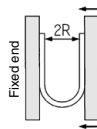


⚠ Precautions

Be sure to read this before handling the products.
Refer to back page 50 for Safety Instructions and pages 13 to 17 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 tubes.
2. Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.
3. The value of the minimum bending radius is measured at the temperature of 20°C as shown in the figure on the right.



Bend the tube into U-form at a temperature of 20°C. Fix one end and close loop gradually. Measure 2R when the tube breaks or is crushed.

KQ2

KQB2

KS
KX

KM

KF

M

H/DL
L/LL

KC

KK

KK130

DM

KDM

KB

KR

KA

KQG2

KG

KFG2

MS

KKA

KP

LQ

MQR

T

IDK