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

Specifications

- **Fluid**: Air/Water
- **Max. operating pressure** (at 20°C): 0.8 MPa
- **Burst pressure**: Refer to the burst pressure characteristics curve.
- **Recommended fittings**: FR one-touch fittings: Series KR-W2
- **Ambient and fluid temperature**: -20 to 60°C
  - Water: 0 to 40°C (No freezing)
- **Material**
  - Inner tubing: Polyurethane
  - Outer layer: Polyethylene (Equivalent to UL-94 standard V-0)

Note: The color of all inner tubing is black.

How to Order

- **Tubing model**: TRBU1065
- **Length per roll**: B - 100
  - Symbol: Length
    - 20 m roll
    - 100 m reel
  - Color: Black (B), White (W), Red (R), Blue (BU), Yellow (Y), Green (G)
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.

![Diagram showing installation process]

Cut internal and external layers

Step 2

Strip off the external layer only

Precautions

Be sure to read before handling.

Refer to front matters 58 and 59 for Safety Instructions and pages 13 to 16 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.
2. Refer to the burst pressure characteristics curve for other temperatures. Furthermore, abnormal temperature rises caused by adiabatic compression may result in the burst of the tube.
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.