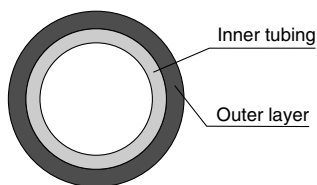
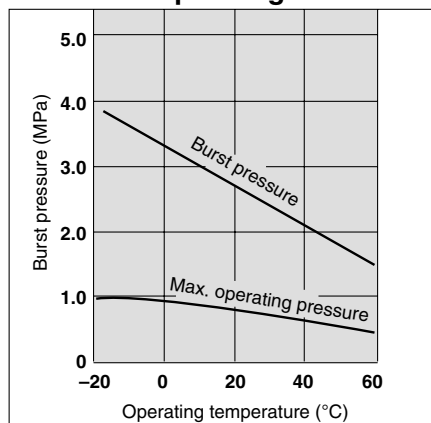


# Flame Resistant (Equivalent to UL-94 Standard V-0) FR Double Layer Polyurethane Tubing Series *TRBU*



Sectional view of FR double layer tubing

## Burst Pressure Characteristics Curve and Operating Pressure



## ⚠️ Precautions

Be sure to read before handling.  
Refer to pages 15-18-3 to 4 for Safety Instructions and Common Precautions on the products mentioned in this catalog, and refer to pages 15-1-10 to 11 for Precautions on every series.

### ⚠️ 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 minimum bending radius indicates the value at which the tube will fold at a temperature of 20°C.

## 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<br>(Note) | 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 (at 20°C) | 0.8 MPa                                            |                                               |
| Burst pressure                    | Refer to the burst pressure characteristics curve. |                                               |
| Ambient and fluid temperature     | -20 to 60°C<br>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  |