

Polyurethane Flat Tubing

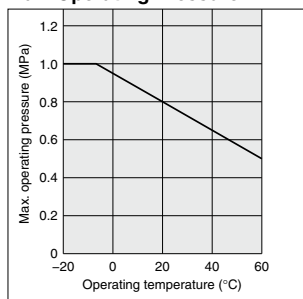
TFU Series



RoHS

Compact piping possible
With line markings for
piping differentiation

Max. Operating Pressure



Model/Specifications

| Model | TFU 0425B-2 | TFU 0425B-3 | TFU 0604B-2 | TFU 0604B-3 | TFU 0805B-2 | TFU 0805B-3 |
|--|--|-------------|-------------|-------------|-------------|-------------|
| No. of cores | 2 cores | 3 cores | 2 cores | 3 cores | 2 cores | 3 cores |
| Tubing O.D. (mm) | 4 | | 6 | | 8 | |
| Tubing I.D. (mm) | 2.5 | | 4 | | 5 | |
| Fluid | Air | | | | | |
| Max. operating pressure (MPa) | 20°C | | 0.8 | | | |
| | 40°C | | 0.65 | | | |
| | 60°C | | 0.5 | | | |
| Operating vacuum pressure (kPa) ^{Note 1)} | -101.3 | | | | | |
| Applicable fittings | One-touch fittings, Insert fittings, Self-align fittings, Miniature fittings | | | | | |
| Operating temperature | -20 to 60°C (No freezing) | | | | | |
| Material | Polyurethane | | | | | |
| Color | Black | | | | | |
| Min. bending radius (mm) | 10 | | 15 | | 20 | |
| Tube length per roll (m) | 10 | | | | | |

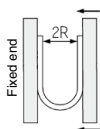
Note 1) The operating vacuum pressure varies depending on the applicable fitting, so refer to the fitting specifications for details.

⚠ Precautions

Be sure to read this before handling the products. Refer to page 11 for safety instructions and pages 14 to 18 for fittings and tubing precautions.

⚠ Caution

- Please consult with SMC regarding use with any fluids other than air.
- Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.
- The value of the minimum bending radius is measured at the temperature of 20°C as shown in the figure on the right.
- As a result of product design characteristics, there are cases of very slight leakage.



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.

How to Order

TFU0425 B - 2

Tubing model

Color

| Symbol | Color |
|--------|----------------|
| B | Black (Opaque) |

No. of tubes

| Symbol | No. of cores |
|--------|--------------|
| 2 | 2 cores |
| 3 | 3 cores |

Made to Order

(Please contact SMC for specifications in detail, dimensions and delivery.)

● — 10 m roll △ — 50 m reel □ — 100 m reel

1. Change of color (10 m roll)

Suffix "-X4" to the end of part number.

Ex.) TFU0604BU-2-10-X4

• W: White, R: Red, BU: Blue, Y: Yellow, G: Green, C: Clear, YR: Orange. (All tubes are the same color regardless of 2 cores or 3 cores.)

2. Reel (50 m, 100 m length, Color changes)

Suffix "-X3" to the end of part number.

Ex.) TFU0425B-2-50-X3

3. No. of cores (10 m roll, each color)

Suffix "-X4" to the end of part number.

Ex.) TFU0604B-4-10-X4

| Model | TFU0425□ | TFU0604□ | TFU0805□ | TFU1065□ | TFU1208□ | |
|------------------|----------|----------|----------|----------|----------|---|
| Tubing O.D. (mm) | 4 | 6 | 8 | 10 | 12 | |
| Tubing I.D. (mm) | 2.5 | 4 | 5 | 6.5 | 8 | |
| No. of cores | 2 | ● | ● | ● | ● | |
| | 3 | ● | ● | ● | ● | |
| | 4 | ● | ● | ● | ● | ● |
| | 5 | ● | ● | ● | ● | ● |
| | 6 | ● | ● | ● | ● | ● |
| | 7 | ● | ● | ● | ● | ● |
| | 8 | ● | ● | ● | ● | ● |