

# Reinforced Corrugated Cardboard Specification/Longer Length Reel Nylon Tubing **T0604-X64**

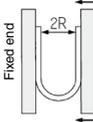


- Length per roll: 500/250 m
- For general pneumatic tubing
- Nylon Tubing



Reinforced corrugated cardboard

How to measure the minimum bending radius



At a temperature of 20°C, bend the tubing into a U shape. Fix one end and gradually move the other end closer. Measure 2R at the point where the outside diameter's rate of change is 10%.

## Series

| Model            | T0604 |
|------------------|-------|
| Tubing O.D. (mm) | 6     |
| Tubing I.D. (mm) | 4     |
| Black (B)        | ●     |
| White (W)        | ●     |
| 250 m reel       | ●     |
| 500 m reel       | ●     |

## Specifications

| Fluid                         |                           | Air, Water   |
|-------------------------------|---------------------------|--|
| Max. operating pressure (MPa) | 20°C or less              | 3.0  |
|                               | 40°C                      | 2.1  |
|                               | 60°C                      | 1.5  |
|                               | 80°C                      | 1.25   |
|                               | 100°C                     | 1.1  |
| Applicable fittings           |                           | One-touch fittings, Insert fittings, Self-align fittings, Miniature fittings |
| Min. bending radius (mm)      | Min. bending radius       | 24   |
|                               | Bending value (Reference) | 18   |
| Operating temperature         |                           | -40 to +100°C, Water: 0 to +70°C (No freezing)                               |
| Material                      |                           | Nylon 12   |

Note 1) Be sure to operate under the maximum operating pressure and operating temperature conditions using the lower specifications of either the tubing or fittings.

Note 2) Mount an inner sleeve when using metal One-touch fittings in high-temperature environments of 60°C or more. Use self-align fittings at a temperature of 60°C or less.

Note 3) The minimum bending radius is the representative value measured as shown in the left figure.

- Use a tube above the minimum bending radius.
- The tubing may be bent if used under the minimum bending radius. Therefore, refer to the bending value and make sure that the tubing is not bent or flattened.
- Please note that the bending value is not warranted because of the representative value when 2R is measured by the method in the left figure if the tubing is bent or flattened, etc.

## How to Order

**T0604 B - 500 - X64**

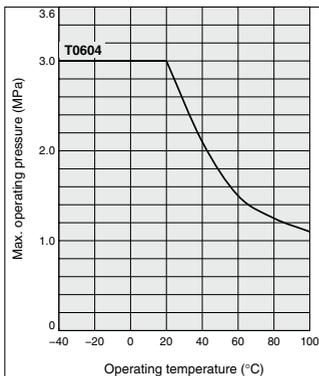
Indication of tubing model

| Color indication |                        |
|------------------|------------------------|
| Symbol           | Color                  |
| B                | Black (Translucent)    |
| W                | White (Material color) |

Length per roll

| Symbol | T0604 |
|--------|-------|
| 250    | ●     |
| 500    | ●     |

## Max. Operating Pressure



## ⚠ Precautions

Be sure to read this before handling the products.  
Refer to back page 50 for Safety Instructions and Best Pneumatics No. 7 for Fittings and Tubing Precautions.

### ⚠ Caution

- Applicable for general industrial water. Please consult with SMC if using other kinds of fluid. Surge pressure must be under the max. operating pressure. If the surge pressure exceeds the maximum operating pressure, it will result in damage to fittings and tubes.
- Please exercise caution when using this item in a clean room. There is a possibility of plasticizer and other materials precipitating on the tube surface and detracting from the cleanliness level of the room.

- IP
- IW
- 1301
- AW
- IL1
- IL2
- IT
- CP
- IS
- VFN
- IN-