

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

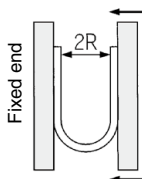


- Length per roll: 500/250 m
- For general pneumatic tubing
- Nylon Tubing



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 and Applicable fitting size <small>Note 1) Note 2)</small>		Fluid: Air/Water	Fitting: One-touch fittings, Insert fittings, Self-align fittings, Miniature fittings
		Fluid: Turbine oil class 1 (ISO VG32) <small>Note 4)</small>	Fitting: Insert fittings
Max. operating pressure (MPa) <small>Note 1)</small>	20°C or less	3.0	
	40°C	2.1	
	60°C	1.5	
	80°C	1.25	
	100°C	1.1	
Operating vacuum pressure (kPa) <small>Note 5)</small>		-101.3	
Min. bending radius (mm) <small>Note 3)</small>	Min. bending radius	24	
	Bending value (Reference)	18	
Operating temperature <small>Note 1)</small>		Air/Oil: -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.

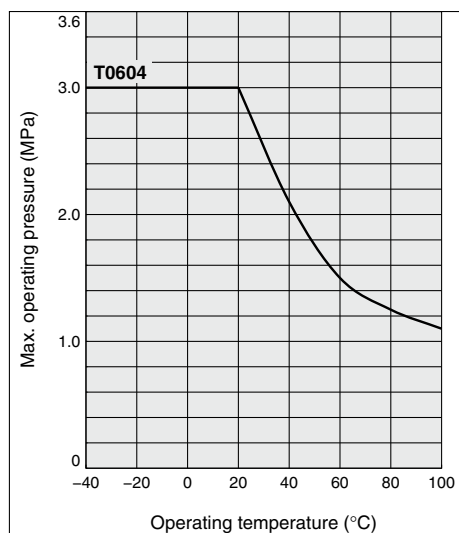
- Use a tube above the minimum bending radius.
- The tubing may be bent if used under the minimum bending radius. Therefore, refer to the bending value and make sure that the tubing is not bent or flattened.
- Please note that the bending value is not warranted because of the representative value when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

Note 4) · After long-term use, nylon materials may harden.

- Be sure to use with static piping.
- After removing a tube from the fitting, be sure to replace it with a brand new tube. Please refrain from reusing tubes.
- When using an oil other than turbine oil class 1 (ISO VG32), the deterioration of nylon materials may be accelerated due to the added agents.

Note 5) The operating vacuum pressure varies depending on the applicable fitting, so refer to the fitting specifications for details.

## Max. Operating Pressure



## 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	●

## ⚠ Precautions

- ⚠ Be sure to read this before handling the products.
- ⚠ Refer to page 147 for Safety Instructions and the Web Catalog for Fittings and Tubing Precautions.

### ⚠ Caution

1. 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.
2. 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.