

Soft Polyurethane Tubing Series TUS

RoHS

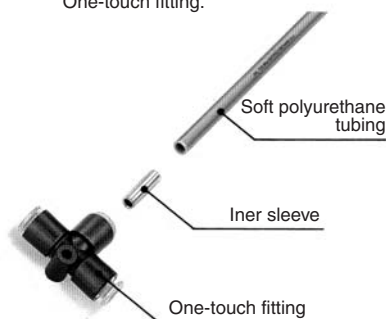


Suitable for piping in confined spaces

Extremely flexible
Soft polyurethane tubing

TUS related accessories Inner sleeve Series TJ

Reinforces soft polyurethane tubing.
Insert an inner sleeve into soft polyurethane tubing when used with a One-touch fitting.



Model

Model	Applicable tubing model	Length
TJ-0425	TUS0425	18
TJ-0604	TUS0604	19
TJ-0805	TUS0805	20.5
TJ-1065	TUS1065	23
TJ-1208	TUS1208	24

Specifications

Material	C2700T (Electroless nickel plated)
Wall thickness	0.2 mm

⚠ 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. Use a nylon or polyurethane tubing for general industrial water, otherwise the tube may result in being fallen out or bursted when the max. operating pressure is lower and the surge pressure is occurred.
2. The value of the max. operating pressure is at a temperature of 20°C. 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.
4. Use inner sleeve, taking the removing force into consideration when used with One-touch fittings.

Model/Specifications

● — 20 m roll □ — 100 m reel

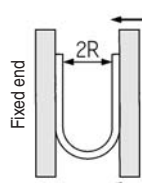
Model	TUS0425	TUS0604	TUS0805	TUS1065	TUS1208
Tubing O.D. (mm)	4	6	8	10	12
Tubing I.D. (mm)	2.5	4	5	6.5	8
Black (B)	●	●	●	●	●
White (W)	●	●	●	●	●
Red (R)	●	●	●	●	●
Blue (BU)	●	●	●	●	●
Yellow (Y)	●	●	●	●	●
Green (G)	●	●	●	●	●
Translucent (N) ⁽¹⁾	●	●	●	●	●
Yellow brown (YB)	●	●	●	●	●

Fluid	Air				
Max. operating pressure at 20°C	0.6 MPa				
Burst pressure	Refer to the burst pressure characteristics curve.				
Applicable fittings	One-touch fitting, Insert tube fitting, Hose nipple ⁽³⁾				
Min. bending radius (mm) ⁽²⁾	8	15	15	22	29
Operating temperature	-20 to +60°C (No freezing)				
Material	Polyurethane				
Tube drawing strength (N) (Using One-touch fitting)	Without inner sleeve	15	60	60	85
	With inner sleeve	80	230	250	300
		110	480		



Note 1) Not clear, but translucent due to material.

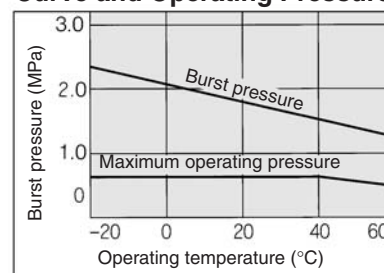
Note 2) Min. bending radius is measured as shown in the figure below.



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.

Note 3) Always use inner sleeve (Series TJ) in safety circuit or critical area.

Burst Pressure Characteristics Curve and Operating Pressure



How to Order

TUS1065 B - 100

Tubing model

Color

Symbol	Color
B	Black
W	White
R	Red
BU	Blue
Y	Yellow
G	Green
N	Translucent
YB	Yellow brown

Length per roll

Symbol	Length
20	20 m roll
100	100 m reel (Black, Blue only)