

# Wear Resistant Tubing

# TUZ Series

RoHS



## Model

Model	TUZ0212	TUZ3220	TUZ0425	TUZ0604	TUZ0805	TUZ1065	TUZ1208	TUZ1610
Tubing O.D. (mm)	2	3.2	4	6	8	10	12	16
Tubing I.D. (mm)	1.2	2	2.5	4	5	6.5	8	10

● — 20 m roll □ — 100 m roll

Black (B)	□	●	●	●	●	●	●	□
White (W)		●	●	●	●	●	●	
Red (R)			●	●	●	●	●	
Blue (BU)		●	●	●	●	●	●	
Yellow (Y)			●	●	●	●	●	
Green (G)			●	●	●	●	●	

## Specifications

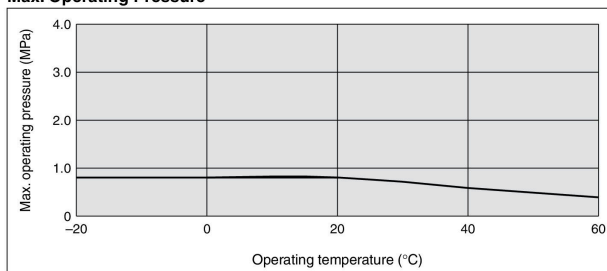
Fluid	Air/Water							
Applicable fittings	One-touch fittings KQ2 series, Insert fittings KF series, Stainless steel 316 insert fittings KFG2 series, Miniature fittings M/MS series (hose nipple type)							
Max. operating pressure (MPa)	20°C	0.8						
	40°C	0.6						
	60°C	0.4						
Min. bending radius (mm)	4	10	10	15	20	27	35	45
Operating temperature	-20 to +60°C (Water: 0 to 40°C) (No freezing)							
Material	Special polyurethane							

Note 1) The minimum bending radius means the value measured by the method shown in the figure at the right at the temperature of 20°C when the tube is bent. The minimum bending radius assumes static piping. If the tube is used in a moving part, provide extra length to the tube. Check the bending radius recommended by the flexible protection tube manufacturer for sure if the tube is used in the flexible protection tube.

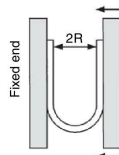
Note 2) Applicable for general industrial water. Please consult with SMC if using other kinds of fluid. Surge pressure must be under the max. operating pressure. If the surge pressure exceeds the maximum operating pressure, it will result in damage to fittings and tubes.

Note 3) Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.

## Max. Operating Pressure



## How to Calculate Minimum Bending Radius



Bend the tube into U-form at the temperature of 20°C. Fix one end and close loop gradually. Measure 2R when the tube breaks or is crushed.

## How to Order

**TUZ0425 BU - 20**

### Tubing model

Model	O.D. x I.D. (mm)
TUZ0212	2 x 1.2
TUZ3220	3.2 x 2
TUZ0425	4 x 2.5
TUZ0604	6 x 4
TUZ0805	8 x 5
TUZ1065	10 x 6.5
TUZ1208	12 x 8
TUZ1610	16 x 10

### Color

Symbol	Color
B	Black
W	White
R	Red
BU	Blue
Y	Yellow
G	Green

### Length per roll

Symbol	Length
20	20 m roll
100	100 m roll

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