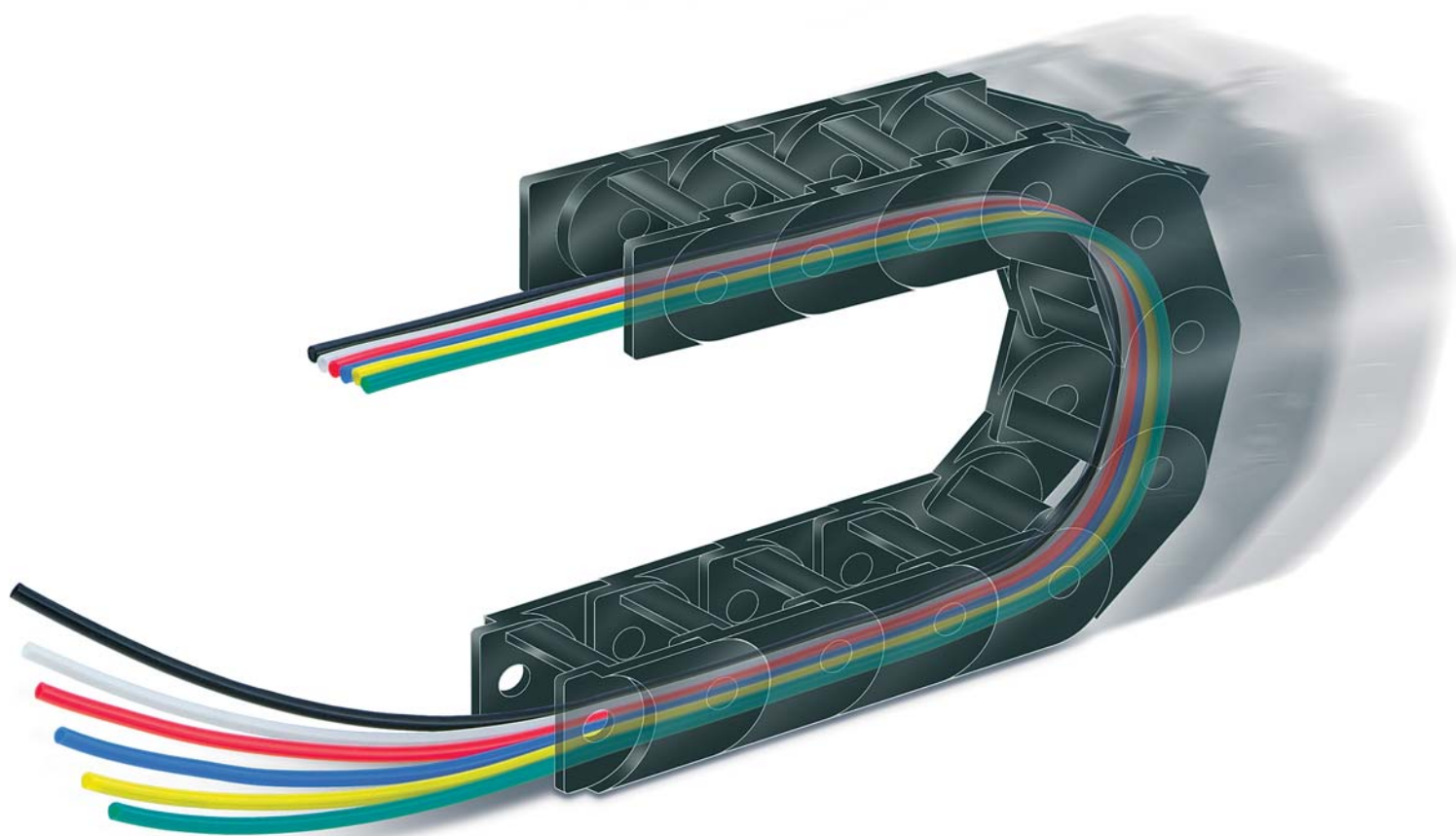


Wear Resistant Tubing

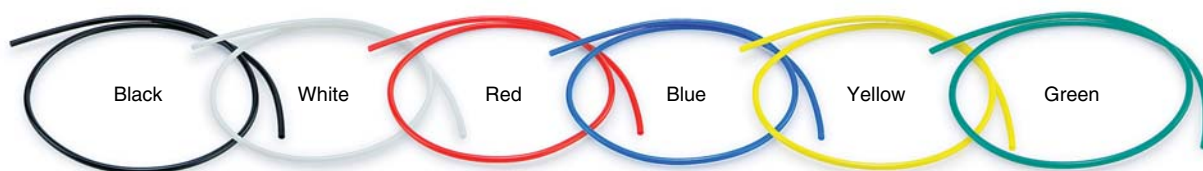
Abrasion: Approx. $\frac{1}{3}$
(Compared with SMC polyurethane tubing TU series)

Description	Maximum abrasion (mm) After 10 million cycles
Wear resistant tubing TUZ series	0.16
Polyurethane tubing TU series	0.46

Note) Comparison based on the SMC's specific testing condition



6-color variations



5-size variations



Series TUZ

Wear Resistant Tubing Series *TUZ*



Model

● — 20 m roll □ — 100 m roll

Model	TUZ0425	TUZ0604	TUZ0805	TUZ1065	TUZ1208
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)	●	●	●	●	●

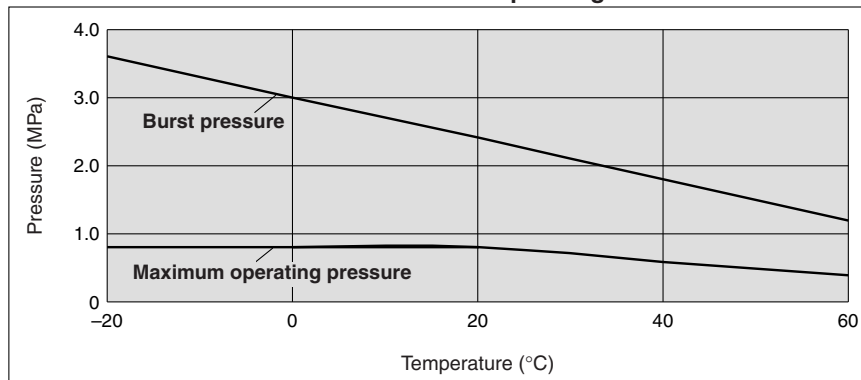
Specifications

Fluid		Air				
Applicable fittings		One-touch fittings KQ/KJ series, Insert fittings KF series, Stainless steel 316 insert fittings KFG series, Miniature fittings M/MS series (hose nipple type)				
Max. operating pressure	20°C	0.8 MPa				
	60°C	0.4 MPa				
Burst pressure		Refer to the burst pressure characteristics curve.				
Min. bending radius (mm)		10	15	20	27	35
Operating temperature		-20 to +60°C				
Material		Special polyurethane				

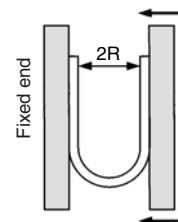
Note 1) The minimum bending radius means the value measured by the method shown in the figure at the right at the temperature of 20°C when the tube is bent. The minimum bending radius assumes static piping. If the tube is used in a moving part, provide extra length to the tube. Check the bending radius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

Note 2) Not clear, but opaque due to material.

Burst Pressure Characteristics Curve and 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)
TUZ0425	4 x 2.5
TUZ0604	6 x 4
TUZ0805	8 x 5
TUZ1065	10 x 6.5
TUZ1208	12 x 8

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