

29 Colour Variations

• Ø2 to Ø16 (Metric size) • 1/8" to 1/2" (Inch size)

Polyurethane Tubing

Serie TU



• O.D. 16 has been Added

Series Table

●:Standard model, ▲:Option model, ■:Upon receipt of order (Please contact SMC for details)

(1)	Model	Metric size (Series TU)						Inch size (Series TIUB)					
		TU0212	TU0425	TU0604	TU0805	TU1065	TU1208	TU1610	TIUB01	TIUB05	TIUB07	TIUB11	TIUB13
	Tubing O.D.	2	4 (5/32")	6	8 (5/16")	10	12	16	1/8"	3/16"	1/4"	3/8"	1/2"
	Tubing I.D.	1.2	2.5 (0.098")	4	5 (0.197")	6.5	8	10	0.079" (5/64")	0.125" (1/8")	0.167"	0.25" (1/4")	0.333"
	Min. bending radius (mm) ^{Note1)}	4	10	15	20	27	35	45	10	15	23	27	35

(2)	Symbol	Colour	Metric size (Series TU)						Inch size (Series TIUB)				
		B	Black	●	●	●	●	●	●	●	●	●	●
	W	White	●	●	●	●	●	●	●	●	▲	▲	▲
	R	Red	●	●	●	●	●	●	■	●	▲	▲	▲
	BU	Blue	●	●	●	●	●	●	■	●	●	●	●
	Y	Yellow	●	●	●	●	●	●	■	●	▲	▲	▲
	G	Green	●	●	●	●	●	●	■	●	▲	▲	▲
	C	Clear	●	●	●	●	●	●	■	●	▲	▲	▲
	YR	Orange	■	●	●	●	●	●	■	●	▲	▲	▲
	BU1	Solid blue	■	●	●	●	●	●	■	●	■	■	■
	BU2	Clear blue	■	●	●	●	●	●	■	●	■	■	■
	BU3	Medium blue	■	●	●	●	●	●	■	●	■	■	■
	BR1	Brown	■	●	●	●	●	●	■	●	■	■	■
	G1	Solid green	■	●	●	●	●	●	■	●	■	■	■
	G2	Clear green	■	●	●	●	●	●	■	●	■	■	■
	G3	Neon green	■	●	●	●	●	●	■	●	■	■	■
	G4	Dark green	■	●	●	●	●	●	■	●	■	■	■
	GR1	Gray	■	●	●	●	●	●	■	●	■	■	■
	GR2	Light gray	■	●	●	●	●	●	■	●	■	■	■
	P1	Neon pink	■	●	●	●	●	●	■	●	■	■	■
	PU1	Solid purple	■	●	●	●	●	●	■	●	■	■	■
	PU2	Clear purple	■	●	●	●	●	●	■	●	■	■	■
	R1	Solid red	■	●	●	●	●	●	■	●	■	■	■
	R2	Clear red	■	●	●	●	●	●	■	●	■	■	■
	S1	Silver	■	●	●	●	●	●	■	●	■	■	■
	Y1	Solid yellow	■	●	●	●	●	●	■	●	■	■	■
	Y2	Clear yellow	■	●	●	●	●	●	■	●	■	■	■
	Y3	Neon yellow	■	●	●	●	●	●	■	●	■	■	■
	YR1	Clear orange	■	●	●	●	●	●	■	●	■	■	■
	YR2	Neon orange	■	●	●	●	●	●	■	●	■	■	■

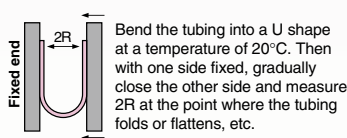
(3)	Length per roll (m)	20		20, 100				20, 100		20		
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Specifications

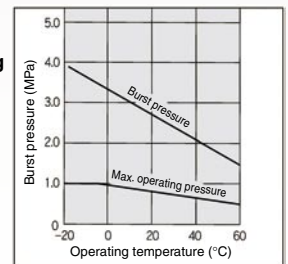
Fluid	Air, Water
Max. operating pressure at 20°C	0.8 MPa
Burst pressure	Refer to the burst pressure characteristics curve.
Operating temperature	-20 to 60°C (Water: 0 to 40°C) (No freezing)

Please contact SMC for other fluids.

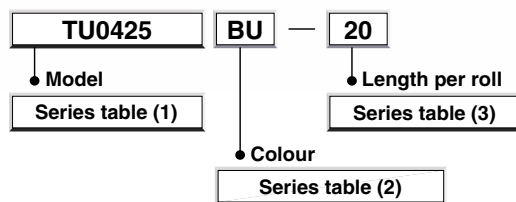
Note1) Min. bending radius



Burst pressure characteristics curve and operating pressure



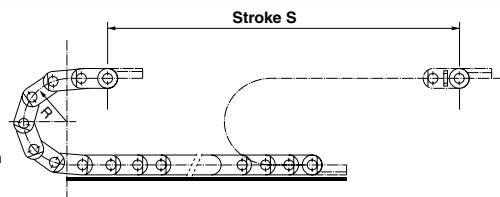
How to Order



• Tubing durability (Reference value)

This value is a representative one from measurement and is not the guaranteed tube durability. The value of tubing durability under the conditions below is 10 million times (Condition: With grease on tubing surface)

Tubing : TU0425/TU0604
 Pressure : 0.5 MPa
 Frequency : 25 c.p.m.
 Move speed : 750 mm/s
 Stroke : 500 mm
 Bending radius R : 28 mm



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