

Clean Series Tubing

Polyurethane Tubing: Series 10-TU

Refer to CAT. E02-23, "SMC Pneumatic Clean Series" for details.

10 - TU0425 BU - 20

Clean series

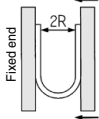
Tubing model

Color	
B	Black
W	White
R	Red
BU	Blue
Y	Yellow
G	Green
C	Clear
YR	Orange

Length per roll

20	20 m roll
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Minimum bending radius measuring method



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.

Model/Specifications

● — 20 m roll

Model	Tubing size						
	Inch size (Series TUB)	Metric size (Series TU)					
Tubing O.D. (mm)	3.2	2	4	6	8	10	12
Tubing I.D. (mm)	2	1.2	2.5	4	5	6.5	8

Black (B)	●	●	●	●	●	●	●
White (W)	●	●	●	●	●	●	●
Red (R)	●	●	●	●	●	●	●
Blue (BU)	●	●	●	●	●	●	●
Yellow (Y)	●	●	●	●	●	●	●
Green (G)	●	●	●	●	●	●	●
Clear (C)	●	●	●	●	●	●	●
Orange (YR)	●	●	●	●	●	●	●

Fluid	Air/Water
Max. operating pressure (at 20°C)	0.8 MPa
Burst pressure	Refer to the burst pressure characteristics curve.
Recommended fittings	Fittings for clean series (10-KJ, 10-KQ, 10-KF, 10-KDM, 10-KG, 10-M, 10-MS)
Min. bending radius (mm) ^(Note)	10 4 10 15 20 27 35
Operating temperature	Air: -20 to 60°C, Water: to 40°C (No freezing)
Material	Polyurethane

(Note) The value of the minimum bending radius is measured at the temperature of 20°C as shown at the left.

Polyurethane Coil Tubing: Series 10-TCU

Refer to CAT. E02-23, "SMC Pneumatic Clean Series" for details.



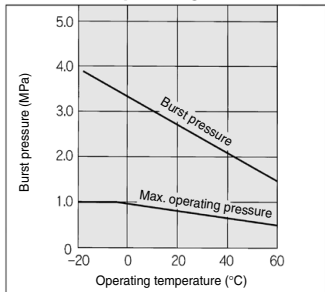
Specifications

Model	10-TCU 0425B-1	10-TCU 0425B-2	10-TCU 0425B-3	10-TCU 0604B-1	10-TCU 0604B-2	10-TCU 0604B-3	10-TCU 0805B-1
No. of cores	1 core	2 cores	3 cores	1 core	2 cores	3 cores	1 core
Tubing O.D. (mm)	4	4	6	8	8	8	8
Tubing I.D. (mm)	2.5	2.5	4	5	5	5	5
Fluid	Air						
Max. operating pressure (at 20°C)	0.8 MPa						
Burst pressure	Refer to the burst pressure characteristics curve.						
Recommended fittings	Fittings for clean series (10-KJ, 10-KQ, 10-KF, 10-KDM, 10-KG, 10-M, 10-MS)						
Operating temperature	-20 to 60°C						
Material	Polyurethane						
Color	Black						

Polyurethane Flat Tubing: Series 10-TFU

Refer to CAT. E02-23, "SMC Pneumatic Clean Series" for details.

Burst Pressure Characteristics Curve and Operating Pressure



Specifications

Model	10-TFU 0425B-2	10-TFU 0425B-3	10-TFU 0604B-2	10-TFU 0604B-3	10-TFU 0805B-2	10-TFU 0805B-3
No. of cores	2 cores	3 cores	2 cores	3 cores	2 cores	3 cores
Tubing O.D. (mm)	4	4	6	8	8	8
Tubing I.D. (mm)	2.5	2.5	4	5	5	5
Fluid	Air					
Max. operating pressure (at 20°C)	0.8 MPa					
Burst pressure	Refer to the burst pressure characteristics curve.					
Recommended fittings	Fittings for clean series (10-KJ, 10-KQ, 10-KF, 10-KDM, 10-KG, 10-M, 10-MS)					
Operating temperature	-20 to 60°C					
Material	Polyurethane					
Color	Black					
Min. bending radius (mm)	10	15	15	20	20	20
Tubing roll length (m)	10					

(Note) The value of the minimum bending radius is measured at the temperature of 20°C as shown at the left.