

Clean Series Tubing

Polyurethane Tubing: 10-TU Series

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

10 - TU0425 BU - 20

Clean series

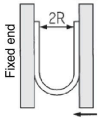
Tubing model

Color	
B	Black (Opaque)
W	White (Opaque)
R	Red (Translucent)
BU	Blue (Translucent)
Y	Yellow (Opaque)
G	Green (Opaque)
C	Clear (Material color)
YR	Orange (Opaque)

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 (TIUB series)		Metric size (TU series)				
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

	10-TIUB01	10-TU0212	10-TU0425	10-TU0604	10-TU0805	10-TU1065	10-TU1208
Black (B)	●	●	●	●	●	●	●
White (W)	●	●	●	●	●	●	●
Red (R)	●	●	●	●	●	●	●
Blue (BU)	●	●	●	●	●	●	●
Yellow (Y)	●	●	●	●	●	●	●
Green (G)	●	●	●	●	●	●	●
Clear (C)	●	●	●	●	●	●	●
Orange (YR)	●	●	●	●	●	●	●

Fluid	Air/Water	
Max. operating pressure (MPa)	20°C	0.8
	40°C	0.65
	60°C	0.5
Recommended fittings	Fittings for clean series (10-KJ, 10-KQ, 10-KF, 10-KDM, 10-KG, 10-M, 10-MS)	
Min. bending radius (mm) ^(*)	10	4
	10	15
	20	27
Operating temperature	Air: -20 to 60°C, Water: 0 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: 10-TCU Series

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



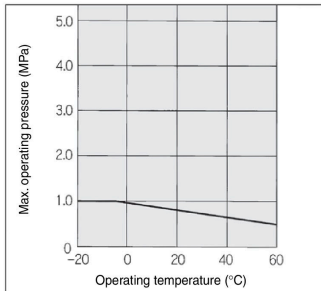
Specifications

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			6		8	
Tubing I.D. (mm)	2.5			4		5	
Fluid	Air						
Max. operating pressure (MPa)	20°C	0.8					
	40°C	0.65					
	60°C	0.5					
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 (Opaque)						

Polyurethane Flat Tubing: 10-TFU Series

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

Max. 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		6		8	
Tubing I.D. (mm)	2.5		4		5	
Fluid	Air					
Max. operating pressure (MPa)	20°C	0.8				
	40°C	0.65				
	60°C	0.5				
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 (Opaque)					
Min. bending radius (mm)	10		15		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.

KQ2

KQB2

KS
KX

KM

KF

M

H/DL
L/L

KC

KK

KK130

DM

KDM

KB

KR

KA

KQG2

KG

KFG2

MS

KKA

KP

LQ

MQR

T

IDK