

Antistatic Tubing

TAS Series



Conductive tube prevents troubles caused by static electricity.

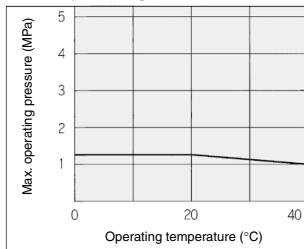
Antistatic Soft Nylon Tubing: TAS Series

For pneumatic piping and applications which require the measures against antistatic electricity.

Flame resistant tubing (Equivalent to UL-94 standard V-0)



Max. Operating Pressure



Precautions

Be sure to read this before handling the products.
 Refer to back page 50 for Safety Instructions and pages 13 to 17 for Fittings and Tubing Precautions.

Caution

- Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.
- The minimum bending radius indicates the value at a temperature of 20°C with an outside diameter rate of change of 10% or less.
- Please exercise caution when using this item in a clean room. There is a possibility of plasticizer and other materials precipitating on the tube surface and detracting from the cleanliness level of the room.

Model/Specifications

Model	TAS3222	TAS0425	TAS0604	TAS0805	TAS1065	TAS1208
Tubing O.D. (mm)	3.2	4	6	8	10	12
Tubing I.D. (mm)	2.2	2.5	4	5	6.5	8
Black (B)	●	●	●	●	●	●

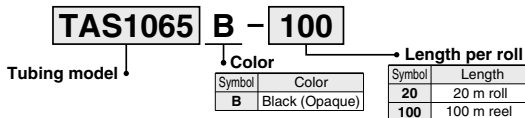
● — 20 m roll □ — 100 m reel

Fluid	Air					
Max. operating pressure (MPa)	20°C	1.2				
	40°C	1.0				
Recommended fittings	Antistatic one-touch fittings: KA series Miniature fittings: M and MS series ^{Note)}					
Minimum bending radius (mm)	12	12	15	19	27	32
Operating temperature	0 to 40°C					
Material	Conductive nylon + Flame resistant nylon (Equivalent to UL-94 standard V-0)					
Surface resistance	10 ⁴ to 10 ⁷ Ω					

Note) Miniature fittings: Only the following types are available for M and MS series

M Series	MS Series
M-3AU-3, M-3AU-4, M-5AU-3, M-5AU-4 M-5AU-6, M-5H-4, M-5H-6	MS-5AU-3, MS-5AU-4, MS-5AU-6 MS-5H-4, MS-5H-6

How to Order



Made to Order

Coil Tubing

Please contact SMC for details.

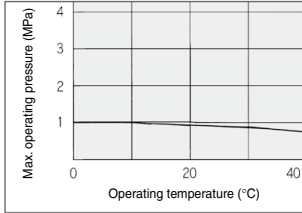
Antistatic Polyurethane Tubing: TAU Series

For pneumatic piping and applications which require the measures against antistatic electricity.

Flexible tubing



Max. Operating Pressure

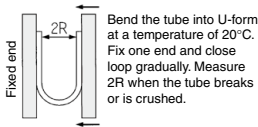


⚠ Precautions

- Be sure to read this before handling the products.
- Refer to back page 50 for Safety Instructions and pages 13 to 17 for Fittings and Tubing Precautions.

⚠ Caution

- Abnormal temperature rise caused by adiabatic compression may result in the tube bursting.
- The value of the minimum bending radius is measured at the temperature of 20°C as shown below.



- Because ester polyurethane is adopted, water cannot be used due to the occurrence of hydrolysis.

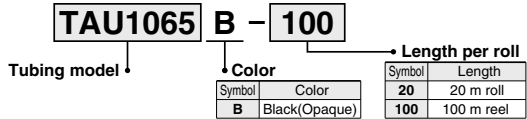
Model/Specifications

Model		TAU3220	TAU0425	TAU0604	TAU0805	TAU1065	TAU1208
Tubing O.D. (mm)		3.2	4	6	8	10	12
Tubing I.D. (mm)		2	2.5	4	5	6.5	8
Black (B)		●	●	●	●	●	●
Fluid		Air					
Max. operating pressure (MPa)	20°C	0.9					
	40°C	0.7					
Recommended fittings	Antistatic one-touch fittings: KA series Miniature fittings: M and MS series <small>(Note)</small>						
Minimum bending radius (mm)		10	10	15	20	27	35
Operating temperature	0 to 40°C						
Material	Antistatic polyurethane						
Surface resistance	10 ⁴ to 10 ⁷ Ω						

Note) Miniature fittings: Only the following types are available for M and MS series

M Series	MS Series
M-3AU-3, M-3AU-4, M-5AU-3, M-5AU-4	MS-5AU-3, MS-5AU-4, MS-5AU-6
M-5AU-6, M-5H-4, M-5H-6	MS-5H-4, MS-5H-6

How to Order



- KQ2
- KQB2
- KS
- KX
- KM
- KF
- M
- H/DL
- L/LL
- KC
- KK
- KK130
- DM
- KDM
- KB
- KR
- KA
- KQG2
- KG
- KFG2
- MS
- KKA
- KP
- LQ
- MQR
- T
- IDK

Antistatic Polyurethane Tubing: TAU Series

Made to Order

Coil Tubing

Flat Tubing

Please contact SMC for details.

Color Tubing

- 5 colors
- Surface resistance $10^9 \Omega$

Specifications

Model	0212	0425	0604	0805	1065	1208
Fluid	Air					
Max. operating pressure (MPa)	20°C		0.8			
	40°C		0.65			
Ambient and fluid temperature	0 to 40°C					
Min. bending radius (mm)	4	10	15	20	27	35
Material	Antistatic polyurethane					
Surface resistance	$10^9 \Omega$					
Recommended fittings	Antistatic One-touch fittings: KA series Miniature fittings: M and MS series ^{Note)}					

Note) Miniature fittings: Only the following types are available for M and MS series

M series	MS series
M-3AU-2, M-3AU-4	MS-5AU-4, MS-5AU-6
M-5AU-2, M-5AU-4	MS-5H-4, MS-5H-6
M-5AU-6, M-5H-4	
M-5H-6	

How to Order

TAU 0604 BU - 20 - X100

Antistatic Polyurethane Tubing

Antistatic polyurethane color tubing

Tubing size

Symbol	O.D. x I.D.
0212	ø2 x ø1.2
0425	ø4 x ø2.5
0604	ø6 x ø4
0805	ø8 x ø5
1065	ø10 x ø6.5
1208	ø12 x ø8

Length per roll m

Symbol	Length
20	20 m roll

Color

Symbol	Color	Symbol	Color
W	White (Translucent)	G	Green (Translucent)
BU	Blue (Translucent)	C	Clear (Material color)
B	Black (Translucent)	—	—