

# Antistatic Tubing

# TAS Series



Conductive tube prevents troubles caused by static electricity.

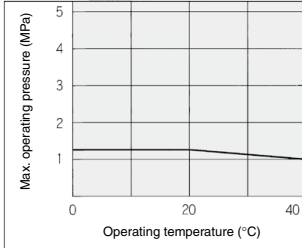
## Antistatic Soft Nylon Tubing: TAS Series

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)	●	●	●	●	●	●

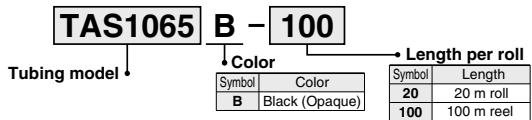
● — 20 m roll □ — 100 m reel

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 <sup>Note)</sup>					
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 <sup>4</sup> to 10 <sup>7</sup> 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.

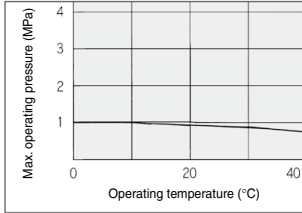
## Antistatic Polyurethane Tubing: TAU Series

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

**Flexible tubing**



### Max. Operating Pressure

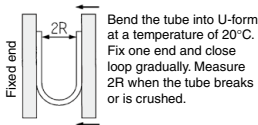


### ⚠ Precautions

- 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

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



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

### Model/Specifications

Model		TAU3220	TAU0425	TAU0604	TAU0805	TAU1065	TAU1208
		● — 20 m roll	□ — 100 m reel				
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)		●	●	●	●	●	●

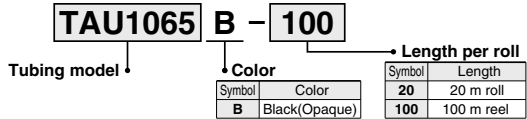
  

Fluid		Air					
Max. operating pressure (MPa)	20°C	0.9					
	40°C	0.7					
Recommended fittings		Antistatic one-touch fittings: KA series			Miniature fittings: M and MS series <small>(Note)</small>		
Minimum bending radius (mm)		10	10	15	20	27	35
Operating temperature		0 to 40°C					
Material		Antistatic polyurethane					
Surface resistance		10 <sup>4</sup> to 10 <sup>7</sup> 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 <sup>Note)</sup>					

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)	—	—