

Antistatic Tubing

TAS Series



Conductive tube prevents troubles caused by static electricity.

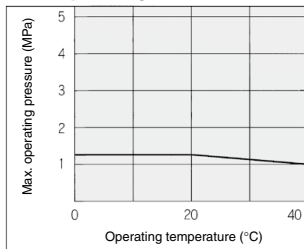
Antistatic Soft Nylon Tubing: TAS Series

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) | ● | ● | ● | ● | ● | ● |

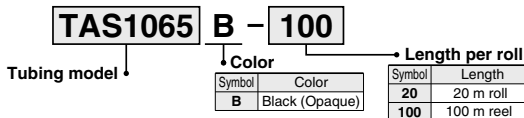
● — 20 m roll □ — 100 m reel

| 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.

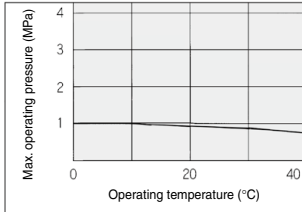
Antistatic Polyurethane Tubing: TAU Series

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

Flexible tubing



Max. Operating Pressure

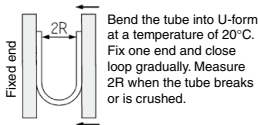


⚠ Precautions

- 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

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.

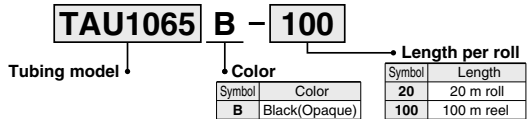
Model/Specifications

| Model | | TAU3220 | TAU0425 | TAU0604 | TAU0805 | TAU1065 | TAU1208 |
|-------------------------------|---|--------------------------------------|---------|---------|---------|---------|---------|
| 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) | — | — |