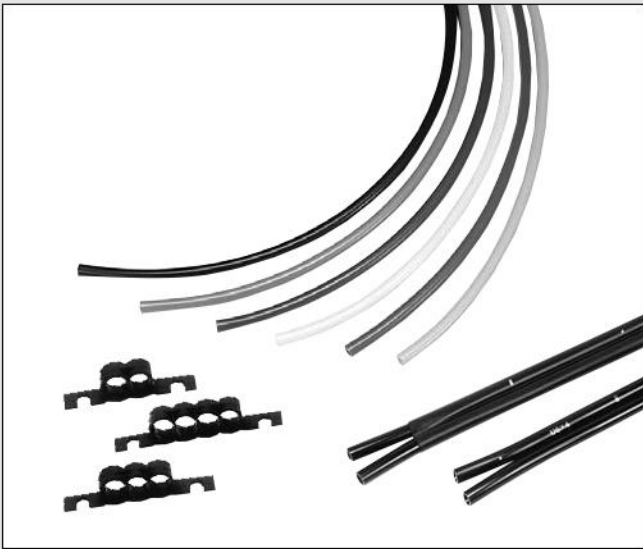


KOGANEI

ACCESSORIES GENERAL CATALOG

AIR TREATMENT, AUXILIARY, VACUUM,
AND FLUORORESIN PRODUCTS

TUBES CONTENTS



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 **Caution** Before use, be sure to read the “Safety Precautions” on p. 49.

URETHANE TUBES

Urethane Tubes Conductive Urethane Tubes

● Urethane tube

Flexible material allows for smaller minimum bending radius.
Highly weatherproof, particularly against the effects of ozone.
Highly oil resistant.

● Conductive urethane tube

Urethane tube incorporates anti-static measures.

Specifications

● Urethane tube

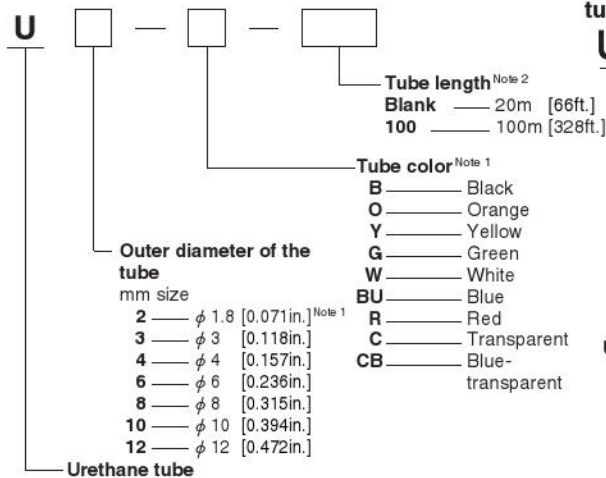
Item	Type	Urethane tube						
	Model	U2	U3	U4	U6	U8	U10	U12
O.D x I.D.	mm [in.]	1.8 x 1 [0.071 x 0.039]	3 x 1.5 [0.118 x 0.059]	4 x 2.5 [0.157 x 0.098]	6 x 4 [0.236 x 0.157]	8 x 5 [0.315 x 0.197]	10 x 6.5 [0.394 x 0.256]	12 x 8 [0.472 x 0.315]
Media		Air						
Operating pressure range	Positive pressure	0 ~ 0.8MPa [0 ~ 116psi.] (at 20°C [68°F])						
	Vacuum	- 99.9 ~ 0kPa [- 29.53 ~ 0in.Hg]						
Operating temperature range ^{Note}	°C [°F]	- 15 ~ 60 [5 ~ 140]						
Materials		Polyurethane						
Minimum bending radius	mm [in.]	4 [0.16]	7 [0.28]	10 [0.39]	15 [0.59]	20 [0.79]	27 [1.06]	35 [1.38]
Color		Black, transparent, blue-transparent	Black, orange, yellow, green, ivory, blue, red, transparent, blue-transparent					
Unit mass	g/m [oz./ft.]	2.1 [0.023]	6.5 [0.070]	9 [0.10]	19 [0.20]	36 [0.39]	54 [0.58]	74 [0.80]
Sales unit		1 roll (20m) [66ft.]	1 roll (20 or 100m) [66 or 328ft.]					

Note: The operating temperature range shows values for when the tube is in a stationary state.

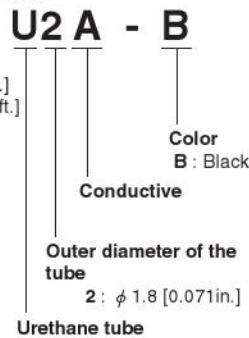
For the operating temperature range in applications where the tube is forced to swing, consult us.

Order Codes

● Urethane tube



● Conductive urethane tube



Specifications

● Conductive urethane tube

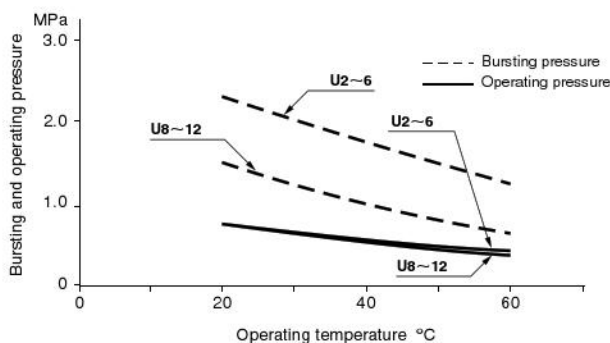
Item	Type	Conductive urethane tube
	Model	U2A-B
O.D x I.D.	mm [in.]	1.8 x 1 [0.071 x 0.039]
Media		Air
Operating pressure range	Positive pressure	0 ~ 0.7MPa [102psi.] (at 20°C [68°F])
	Vacuum	- 99.9 ~ 0kPa [- 29.53 ~ 0in.Hg]
Operating temperature range	°C [°F]	- 15 ~ 60 [5 ~ 140]
Materials		Polyurethane
Conductivity	Ω	$1 \times 10^6 \sim 10^8$
Minimum bending radius	mm [in.]	4 [0.16]
Color		Black
Unit mass	g/m [oz./ft.]	2.1 [0.023]
Sales unit		1 roll (20m) [66ft.]

Notes: 1. Colors for the ϕ 1.8 [0.071in.] tube are available in black (-B), transparent (-C), and blue-transparent (-CB) only.

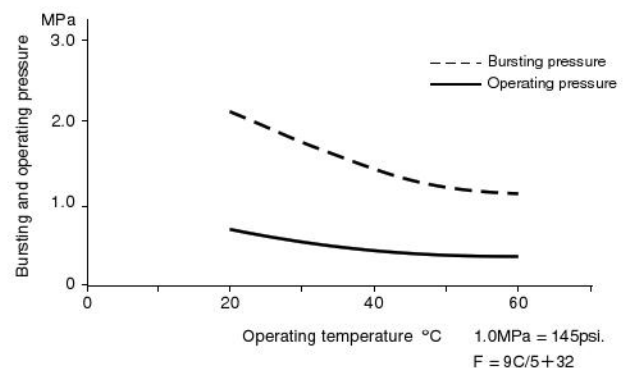
2. The ϕ 1.8 [0.071in.] tube is available at 20m [66ft.] only.

Operating Temperature and Pressure, and Bursting Pressure

● Urethane tube



● Conductive urethane tube





General precautions

1. Always thoroughly blow off (use compressed air) the tubing before piping. Entering chips, sealing tape, rust, etc., generated during piping work could result in air leaks or other defective operation.
2. Use air for the media. For the use of any other media, consult us.
3. Do not use in atmospheres where the temperature will exceed the operating temperature range.
Do not use in locations where sparks could occur, because the tube is not fire resistant.
4. The product cannot be used when the media or the ambient atmosphere contains any of the substances listed below.
Organic solvents, phosphate ester type hydraulic oil, sulphur dioxide, chlorine gas, or acids, etc.