Soft Polyurethane Tube

Straight Soft Tube for General Pneumatic Piping

⚠Safety instructions for this product
Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)

UC (1) 0640 (2) – 20 (3) – CG (4)

(1) Soft Polyurethane Tube

(2) Tube dia. (O.D.×I.D.)

	mm size (mm)				
Code	0425	0640	0850	1065	1280
O.D.	ø4	ø6	ø8	ø10	ø12
I.D.	ø2.5	ø4	ø5	ø6.5	ø8

(3) Tube length

Code	20	100
Length (m)	20	100

(4) Tube color

Code	CBL	CO	CY	CG	CB	C
Tube color	Clear black	Clear orange	Clear yellow	Clear green	Clear blue	Transparent

Characteristics

Best suitable for compact piping.

The excellent flexibility enables piping in a narrow space and achieves a small bend radius.

Clear type of 6 colors are available.

Multi-core tube is also available.

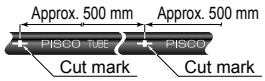
No. of cores: 2 to 6 cores are available. See page 98 for details.

Possible to use water as a fluid medium.

Extruded from ether type polyurethane.

The cut marks at 500 mm interval are printed on the tube.

It is useful to cut tubing.
*The marks are just as a guide and the accuracy is not guaranteed.

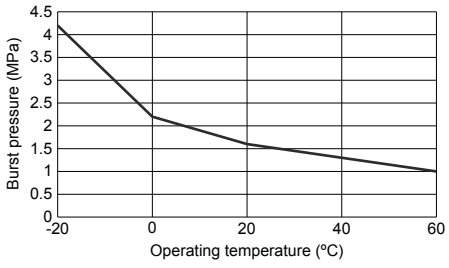


Specifications

	Model code	UC0425	UC0640	UC0850	UC1065	UC1280
Size	O.D.×I.D. (mm)	4×2.5	6×4	8×5	10×6.5	12×8
	Tube length (m)	20 · 100				
Tube color: 6 colors		Clear black (CBL), Clear orange (CO), Clear yellow (CY), Clear green (CG), Clear blue (CB), Transparent (C)				
Specifications	Fluid medium	Air, Water (Conditional *1)				
	Max. operating pressure (MPa)	0.7 (65% RH at 20ºC *2)				
	Max. vacuum (kPa)	-100				
	Operating temp. range (ºC)	Air: -20 to 60 (No freezing) Water: -15 to 60 (No freezing)				
	Min. bending radius (JIS) (mm)	9	13		18	27
	Min. installation radius (Vice) (mm)	14	21	22	26	35
	Remark	Use of Insert ring is recommended. (Insert ring is necessary to conform the pull-out strength defined by JISB 8381-1, if it requires.)				

⚠ Warning
*1. The following conditions must be observed when the fluid medium is water.
(1) Surge pressure must be controlled lower than max. operating pressure when using water as a fluid medium.
(2) General tap water in Japan, free from foreign substances or contamination, can be used. Carry out the evaluation under an actual operating condition for using other kind of water.
(3) Be sure to place Insert Ring (WR) into the tube edge when tube is inserted into push-in fittings and using water as a fluid medium.
*2. The value of max. operating pressure is measured at 20ºC and 65%RH. For other temperatures, the Burst Pressure Curve should be used with a sufficient safety margin. In addition, if the tube is in a moving part, such as a swinging or bending part, the temperature may rise due to self-heating caused by intermolecular heat generation, which may cause the tube to break.

Burst Pressure Curve (Reference Value)



RoHS2 (2011/65/EU+EU2015/863) compliant

Tube type	Model code
Soft Polyurethane Tube	UC0425-3-4
	UC0640-3-4
	UC0850-3-4
	UC1065-3-4
	UC1280-3-4

Notes
*1. Tubes with desired length are available as make-to-order items. Contact us for the price.
*2. For 3 in model code, please select a code of tube length, for 4, please select a tube color code.

Packaging specifications
20 M lengths/bag: Applicable to all types
100 M lengths/box: Applicable to all types