Low-friction Polyurethane Tube

Low-friction Polyurethane Tube

⚠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)

UBS (1) **0640** (2) - **20** (3) - **B** (4)

(1) Low-friction 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

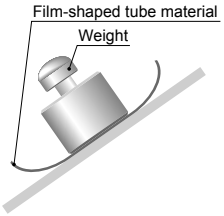
Code	20	100
Length (m)	20	100

(4) Tube color

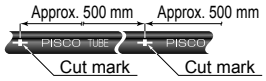
Code	B	Y	G	BU	W
Tube color	Black	Yellow	Green	Blue	Milky white

Characteristics

- Suitable for piping which goes through cable guides and protectors.
- The friction factor is 1/3 of PISCO's most versatile polyurethane tubings (UB).
  *Based on the results of the test (see the right fig.) in which a weight was slid on a film-shaped tube material.



- Featuring excellent flexibility, best suitable for the compact piping requiring small bending radius.
- Tubes come in a variety of colors for identification and color-coding.
- The cut marks at 500 mm interval are printed on the tube as a guide.
  *The marks are just as a guide and the accuracy is not guaranteed.

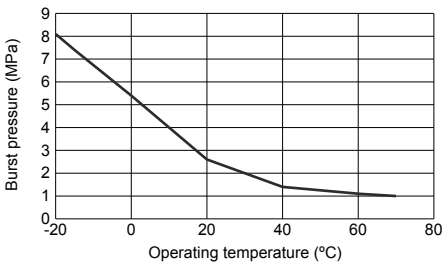


Specifications

	Model code	UBS0425	UBS0640	UBS0850	UBS1065	UBS1280
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: 5 colors		Black (B), Yellow (Y), Green (G), Blue (BU), Milky white (W)				
Specifications	Fluid medium	Air				
	Max. operating pressure (MPa)	1.0 (65% RH at 20ºC*)				
	Max. vacuum (kPa)	-100				
	Operating temp. range (ºC)	-20 to 70 (No freezing)				
	Min. bending radius (JIS) (mm)	10	15		20	30
	Min. installation radius (Vice) (mm)	15	23		30	45

⚠ Warning
*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
Low-friction Polyurethane Tube	UBS0425-3-4
	UBS0640-3-4
	UBS0850-3-4
	UBS1065-3-4
	UBS1280-3-4

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.

Related product

Plarailchain Series
► P.791

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