POLYURETHANE TUBE

Application

- Used for industrial robots and pneumatic piping.
- Used for various applications by functions.

Feature

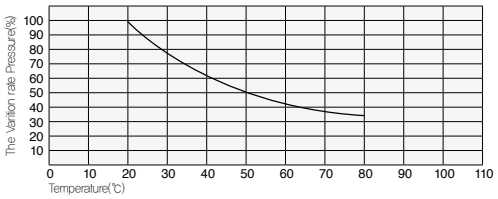
- Higher flexibility than nylon(PA) helps working achievement.
- Higher flexibility in low temperature.

Specification

Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~150PSI	0~9Kgf/㎠(0~900kPa)
Negative Pressure	-29.5 in Hg	-750mmHg(10Torr)
Temperature Range	32~140℉	-15~60℃

Working Pressure

- Temperature limits of tube : -40℃~80℃
- Normal Pressure : Control normal pressure within 1/3 of tube burst pressure.



Product Code System

U-08-50-B UC-08-50-05-Y

① ② ③ ④ ① ② ③ ⑤ ④

① Type

②③ Tube Dia(ØD)

	Metric Size									
Code	0320	0420	0425	0640	0850	0855	1065	1280	1290	1611
Outer Dia	Ø3	Ø4	Ø4	Ø6	Ø8	Ø8	Ø10	Ø12	Ø12	Ø16
Inner Dia	Ø2	Ø2	Ø2.5	Ø4	Ø5	Ø5.5	Ø6.5	Ø8	Ø9	Ø11

	Inch Size						
Code	1/8	5/32	3/16	1/4	5/16	3/8	1/2
Outer Dia	Ø1/8	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2

④ Color

	C	BK	R	BU	Y	G
Code	Clear	Black	Red	Blue	Yellow	Green

	W	O	AQ	Silver	Metal
Code	White	Orange	Aqua blue	Silver	Metal

⑤ Length(m)



Common Precautions of Tube Series

Never fail to check the following.

⚠ WARNING

1. Never use for applications other than air.
   Using for applications other than air, it causes water leakage by breakage or crack of tube from chemical reaction.
2. Installing the tube near heater, it causes exposition of tube from heat.
3. Scarring the tube with a gimlet or a pin, it causes breakage of tube.
4. Twisting, screwing or bending the tube, it causes breakage or leakage of air.
5. Never use tube in a place of rising spatter.

⚠ CAUTION

1. Be sure to keep the radius of curvature of tube per size.
2. Be sure to leave a margin for unexpected additional length of tube when piping.
3. Be sure to check that the section of tube is at a right angle(90°) or tube is oval, not round.

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MODEL [OUT–IN] Metric size (mm)

CODE	MODEL	Outer Dia mm	Inner Dia mm	Packing Unit (m)	The radius of curvature (mm)	Burst pressure (kg/㎠)	W.G (g) g/m	Color									
								C	BK	R	BU	Y	G	W	O	SILVER	METAL	AQ
413100003201	U–03020	3	2	200	8	30	7	o	o	o	o	o	o	o	o	o	o	o
413100004201	U–04020	4	2	200	10	30	9	o	o	o	o	o	o	o	o	o	o	o
413100004251	U–04025	4	2.5	200	10	30	9	o	o	o	o	o	o	o	o	o	o	o
413100006400	U–06040	6	4	100	15	30	19	o	o	o	o	o	o	o	o	o	o	o
413100008500	U–08050	8	5	100	24	30	36	o	o	o	o	o	o	o	o	o	o	o
413100008550	U–08055	8	5.5	100	24	30	36	o	o	o	o	o	o	o	o	o	o	o
413100008600	U–08060	8	6	100	24	30	36	o	o	o	o	o	o	o	o	o	o	o
413100010650	U–10065	10	6.5	100	30	30	54	o	o	o	o	o	o	o	o	o	o	o
413100012800	U–12080	12	8	100	36	30	74	o	o	o	o	o	o	o	o	o	o	o
413100012900	U–12090	12	9	100	36	30	74	o	o	o	o	o	o	o	o	o	o	o
413100014983	U–14098	14	9.8	50	36	30	98	o	o	o	o	o	o	o	o	o	o	o
413100016113	U–16110	16	11	50	36	30	128	o	o	o	o	o	o	o	o	o	o	o