

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/cm ² (0~900kPa)
Negative Pressure	-29.50 in Hg	-750mmHg(10Torr)
Temperature Range	32~140° F	-15~60° C

Product Code System

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

① ② ③ ④ ① ② ③ ④ ⑤ ⑥

① Type

②③ Tube Dia(∅D)

Code	Metric Size									
	0320	0420	0425	0640	0850	0855	1065	1280	1290	1611
Outer Dia	∅3	∅4	∅4	∅6	∅8	∅8	∅10	∅12	∅12	∅16
Inner Dia	∅2	∅2	∅2.5	∅4	∅5	∅5.5	∅6.5	∅8	∅9	∅11

Code	Inch Size							
	1/8	5/32	3/16	1/4	5/16	3/8	1/2	5/8
Outer Dia	∅1/8	∅5/32	∅3/16	∅1/4	∅5/16	∅3/8	∅1/2	∅5/8

④ Color

Color	C	BK	R	Bu	Y	G	W	O
	Clear	Black	Red	Blue	Yellow	Green	White	Orange

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.

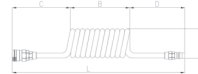
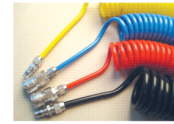
⚠ CAUTION

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

Polyurethane Tube



AC



MODEL(OUT-IN) Metric size

MODEL	O.D mm	I.D mm	Length (m)	Working (m)	A	B	C	D	L	Color							
										C	BK	R	BU	Y	G	O	
AC 0805-50	8	5	5	4	52.5	78	131	123	546	°	°	°	°	°	°	°	°
AC 0805-75	8	5	7.5	6	52.5	167	131	123	698	°	°	°	°	°	°	°	°
AC 0805-100	8	5	10	8	52.5	257	131	123	849	°	°	°	°	°	°	°	°
AC 1065-50	10	6.5	5	4	65.2	69	142	134	567	°	°	°	°	°	°	°	°
AC 1065-75	10	6.5	7.5	6	65.2	150	142	134	718	°	°	°	°	°	°	°	°
AC 1065-100	10	6.5	10	8	65.2	228	142	134	869	°	°	°	°	°	°	°	°
AC 1208-50	12	8	5	4	87	200	143	135	532	°	°	°	°	°	°	°	°
AC 1208-75	12	8	7.5	6	87	291	143	135	664	°	°	°	°	°	°	°	°
AC 1208-100	12	8	10	8	87	443	143	135	796	°	°	°	°	°	°	°	°

Working Pressure

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

