

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

① U - ② 08 - ③ 50 - ④ B UC - ⑤ 08 - ⑥ 50 - ⑦ 05 - ⑧ Y

① Type		②③ Tube Dia(ØD)		Metric Size		Inch Size	
Code	0323	0420	0640	0850	0855	1065	1280
Outer Dia	Ø3	Ø4	Ø6	Ø8	Ø8	Ø10	Ø12
Inner Dia	Ø2	Ø2	Ø2.5	Ø4	Ø5	Ø5.5	Ø6.5
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		R		BU		Y		G		W		O	
Color	Clear	Black	Red	Blue	Blue	Yellow	Yellow	Green	Green	White	White	Orange	Orange

⑤ Length(m)	
Code	0323
Length	1200

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 piece 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	OD mm	ID mm	Length (m)	Working (m)	A	B	C	D	L	C	BK	R	BU	Y	G	O
AC0805-50	8	5	5	4	52.5	76	131	123	546	*	*	*	*	*	*	*
AC0805-75	8	5	7.5	6	52.5	167	131	123	688	*	*	*	*	*	*	*
AC0805-100	8	5	10	8	52.5	257	131	123	849	*	*	*	*	*	*	*
AC1065-50	10	6.5	5	4	65.2	69	142	134	567	*	*	*	*	*	*	*
AC1065-75	10	6.5	7.5	6	65.2	150	142	134	718	*	*	*	*	*	*	*
AC1065-100	10	6.5	10	8	65.2	223	142	134	869	*	*	*	*	*	*	*
AC1208-50	12	8	5	4	87	200	143	135	532	*	*	*	*	*	*	*
AC1208-75	12	8	7.5	6	87	291	143	135	664	*	*	*	*	*	*	*
AC1208-100	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.

