

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(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 ⑤ ④

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

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

⑤ Length(m)

Common Precautions of Tube Series

Never fail to check the following

⚠ WARNING

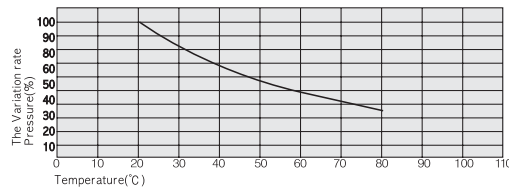
1. Never use for applications other than air.
Using for applications other than air, it causes water leakage by breakage or crack of tube from chemical reaction.
2. Installing the tube near heater, it causes exposition of tube from heat.
3. Scarring the tube with a gimlet or a pin, it causes breakage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

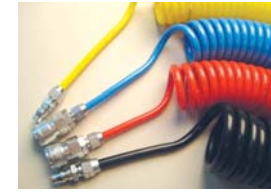
Working Pressure

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



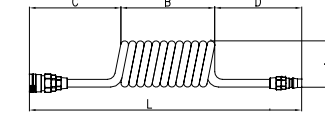
Polyurethane Tube

New AC



MODEL [OUT-IN]

MODEL	O.D(mm)	I.D(mm)	Length(m)
AC 0805-50	8	5	5
AC 0805-75	8	5	7.5
AC 0805-100	8	5	10
AC 1065-50	10	6.5	5
AC 1065-75	10	6.5	7.5
AC 1065-100	10	6.5	10
AC 1208-50	12	8	5
AC 1208-75	12	8	7.5
AC 1208-100	12	8	10



U



MODEL [OUT-IN]

MODEL	O.D(mm)	I.D(mm)
U-03020	3	2
U-04020	4	2
U-04025	4	2.5
U-06040	6	4
U-08050	8	5
U-08055	8	5.5
U-08060	8	6
U-10065	10	6.5
U-10070	10	7
U-10075	10	7.5
U-12080	12	8
U-12090	12	9
U-14095	14	9.5
U-16110	16	11
U-16120	16	12

Inch Size

MODEL	O.D(mm)	I.D(mm)
U 1/8-1.6	3.17	1.6
U 1/8-2.0	3.17	2
U 5/32-2.0	3.97	2
U 5/32-2.5	3.97	2.5
U 3/16-3.2	4.76	3.2
U 1/4-4.2	6.35	4.2
U 5/16-5.0	7.94	5
U 3/8-6.4	9.52	6.4
U 1/2-8.5	12.7	8.5

UC



MODEL [OUT-Length]

MODEL	O.D(mm)	I.D(mm)	Length(m)
UC-0402-15	4	2	1.5
UC-0402-30	4	2	3
UC-0402-45	4	2	4.5
UC-0604-15	6	4	1.5
UC-0604-30	6	4	3
UC-0604-45	6	4	4.5
UC-0805-35	8	5	3.5
UC-0805-50	8	5	5
UC-0805-75	8	5	7.5
UC-0805-100	8	5	10
UC-1065-35	10	6.5	3.5
UC-1065-50	10	6.5	5
UC-1065-75	10	6.5	7.5
UC-1065-100	10	6.5	10
UC-1208-35	12	8	3.5
UC-1208-50	12	8	5
UC-1208-75	12	8	7.5
UC-1208-100	12	8	10

Inch Size

MODEL	O.D(mm)	I.D(mm)	Length(m)
UC1/8-2.0-1	3.17	2	1
UC1/8-2.0-2	3.17	2	2
UC1/8-2.0-5	3.17	2	5
UC5/32-2.5-2	3.97	2	2
UC5/32-2.5-5	3.97	2	5
UC5/32-2.5-10	3.97	2	10
UC5/32-2.5-15	3.97	2	15
UC5/32-2.5-20	3.97	2	20
UC3/16-3.2-2	4.76	3.2	2
UC3/16-3.2-5	4.76	3.2	5
UC3/16-3.2-10	4.76	3.2	10
UC3/16-3.2-15	4.76	3.2	15
UC3/16-3.2-20	4.76	3.2	20
UC1/4-4.2-2	6.35	4.2	2
UC1/4-4.2-5	6.35	4.2	5
UC1/4-4.2-10	6.35	4.2	10
UC1/4-4.2-15	6.35	4.2	15
UC1/4-4.2-20	6.35	4.2	20
UC5/16-5.0-5	7.94	5	5
UC5/16-5.0-10	7.94	5	10
UC5/16-5.0-15	7.94	5	15
UC5/16-5.0-20	7.94	5	20
UC3/8-6.4-5	9.52	6.4	5
UC3/8-6.4-10	9.52	6.4	10
UC3/8-6.4-15	9.52	6.4	15
UC3/8-6.4-20	9.52	6.4	20
UC1/2-8.5-5	12.7	8.5	5
UC1/2-8.5-10	12.7	8.5	10
UC1/2-8.5-15	12.7	8.5	15
UC1/2-8.5-20	12.7	8.5	20

