



Tubes

Tube Series

- Polyurethane tube
- Nylon Tube
- Coil Tube

Tubes

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TUBES

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Applications

- Used for piping of pneumatic devices.

Features

- Polyester-based thermoplastic Polyurethane resin (TPU)
- Excellent flexibility at low temperatures.
- Light-weight with good tolerance to wear and chemicals.
- Convenient for piping as it has better flexibility than nylon tubes.
- Tubes are available in diverse colors according to the working situation.

Specifications

- Fluid type: Air (No other gases or liquids)
- Working pressure: 0~150PSI / 0~9.9Kgf/cm² (0~990KPa).
- Negative pressure: -29.5in Hg / -750mmHg (-750Torr)
- Working temperature: 32~140°F / 0~60°C

Tube Color Code

COLOR	White	Black	Red	Blue	Yellow	Green	Clear	Silver	Translucent Blue
CODE	WT	BK	RD	BU	YL	GR	CL	SL	TB

Product Code System

Polyurethane Tube

PU 08 50 BK

Polyurethane Tube	Tube Dia (OD & ID)		Tube Color	
	METRIC TUBE		COLOR CODE	
	CODE	OD ID	White	WHT
	0320	Ø3 Ø2	Black	BLK
	0420	Ø4 Ø2	Red	RED
	0425	Ø4 Ø2.5	Blue	BLU
	0640	Ø6 Ø4	Yellow	YEL
	0850	Ø8 Ø5	Green	GRN
	0855	Ø8 Ø5.5	Clear	CLR
	1065	Ø10 Ø6.5		
	1280	Ø12 Ø8		
	1290	Ø12 Ø9		
	1612	Ø16 Ø12		

Nylon Tube

NA 08 60 BK

Nylon Tube	Tube Dia (OD & ID)		Tube Color	
	METRIC TUBE		COLOR CODE	
	CODE	OD ID	White	WHT
	0420	Ø4 Ø2		
	0425	Ø4 Ø2.5		
	0640	Ø6 Ø4		
	0860	Ø8 Ø6		
	1080	Ø10 Ø8		
	1290	Ø12 Ø9		

Polyurethane Coil Tube

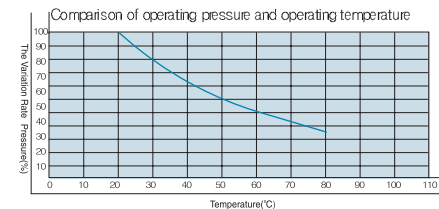
UC 08 50~5 BK

Polyurethane Coil Tube	Tube Dia (OD & I.D)		Length	Tube Color	
	METRIC TUBE			COLOR	CODE
	CODE	OD	ID	Yellow	YEL
	0640	Ø6	Ø4		
	0850	Ø8	Ø5		
	1065	Ø10	Ø6.5		
	1280	Ø12	Ø8		

Applied example

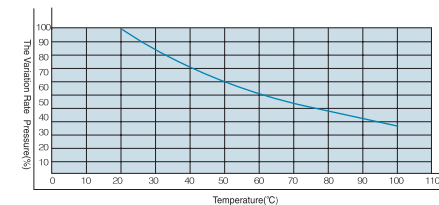
Polyurethane tube

- Refer to the graph, as the maximum operating pressure of polyurethane tubes, varies with the operating temperature.
- The tube operating temperature range is -40°C~80°C. Do not use this product in conditions beyond this range.



Nylon tube

- Refer to the graph, as the maximum operating pressure of nylon tubes, varies with the operating temperature.
- Refer to the maximum operating pressure change rate and do not use this product in conditions beyond this range.



Common caution on tube products

CAUTION

- Make sure the tube is fully inserted to the end of the fitting. Air leakage and tube release may occur.
- To insert the tube into the fitting, cut the tube at a right angle, insert it fully to the end, and pull the tube gently to make sure it isn't released.
- Secure the excess tube for future length changes in piping the tube.
- Be sure to fix the tube if the tube release may cause harm to human or property.
- Be sure to refer to Tolerance Data (P208) when using chemicals.

WARNING

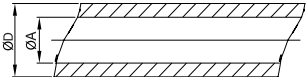
- Do not use on fluids other than air and water (partly available for some products). Contact us for use on other fluids.
- If there is some damage or scratches on the oval shape and tube, air leakage and tube release may occur. Check it out meticulously.
- Water or other fluids at temperatures of 60° or higher may cause hydrolysis due to heat and it can also deform the tube or fitting.
- Do not use the product where weld spatters occur as fire may break out.
- Use caution in water as the product may be damaged by surge pressure.
- Do not use the product where it is directly exposed to fluids such as cutting oil, lubricating oil, and coolant oil.
- Avoid places where electrostatic induction and electrification occur.
- Avoid flammable gases such as oxygen, hydrogen, and LPG.

Polyurethane Tube



Metric Size

MODEL	ØD	ØA	M	BOX(EA)	COLOR CODE
PU 0320	3.0	2.0	200M	6	
PU 0420	4.0	2.0	200M	6	WT-White
PU 0425	4.0	2.5	200M	6	BK-Black
PU 0640	6.0	4.0	100M	6	RD-Red
PU 0850	8.0	5.0	100M	6	BU-Blue
PU 0855	8.0	5.5	100M	6	YL-Yellow
PU 1065	10.0	6.5	100M	3	GR-Green
PU 1280	12.0	8.0	100M	3	CL-Clear
PU 1290	12.0	9.0	100M	3	SL-Silver
PU 1612	16.0	12.0	100M	3	



Inch Size

MODEL	ØD	ØA	M	BOX(EA)	COLOR CODE
PU 1/8	1/8	2.0	200M	6	WT-White
PU 5/32	5/32	2.5	200M	6	BK-Black
PU 3/16	3/16	3.0	100M	6	RD-Red
PU 1/4	1/4	4.15	100M	6	BU-Blue
PU 5/16	5/16	5.0	100M	3	YL-Yellow
PU 3/8	3/8	6.0	100M	3	GR-Green
PU 1/2	1/2	8.5	100M	3	CL-Clear
					SL-Silver

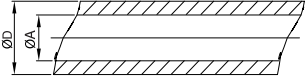


Nylon Tube

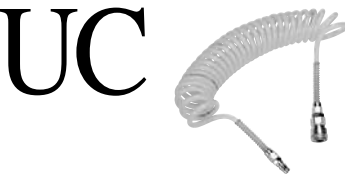


Metric Size

MODEL	ØD	ØA	M	BOX(EA)
NA 0420	4.0	2.0	200M	6
NA 0425	4.0	2.5	200M	6
NA 0640	6.0	4.0	100M	6
NA 0860	8.0	6.0	100M	6
NA 1080	10.0	8.0	100M	3
NA 1290	12.0	9.0	100M	3



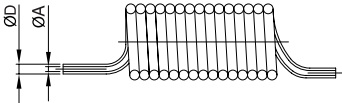
Polyurethane Coil Tube



Metric Size

MODEL	ØD	ØA	M	COLOR CODE	Note
UC 0640-3	6.0	4.0	3M		
UC 0640-5	6.0	4.0	5M		
UC 0850-5	8.0	5.0	5M		
UC 0850-7.5	8.0	5.0	7.5M		
UC 0850-10	8.0	5.0	10M		
UC 1065-5	10.0	6.5	5M	YL-Yellow	*w/o Coupler
UC 1065-7.5	10.0	6.5	7.5M		
UC 1065-10	10.0	6.5	10M		
UC 1280-5	12.0	8.0	5M		
UC 1280-7.5	12.0	8.0	7.5M		
UC 1280-10	12.0	8.0	10M		

*Colors above are chosen by the customer.



Metric Size

MODEL	ØD	ØA	M	COLOR CODE	Note
UC 0850-5	8.0	5.0	5M		
UC 0850-7.5	8.0	5.0	7.5M		
UC 0850-10	8.0	5.0	10M		
UC 1065-5	10.0	6.5	5M	YL-Yellow	*with Coupler
UC 1065-7.5	10.0	6.5	7.5M		
UC 1065-10	10.0	6.5	10M		
UC 1280-5	12.0	8.0	5M		
UC 1280-7.5	12.0	8.0	7.5M		
UC 1280-10	12.0	8.0	10M		

*Colors above are chosen by the customer.

