

# PDR Coil Tube

## Application

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

## Feature

- Reasonable price
- Suitable for low temperature
- Higher flexibility

## Specification

Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~100PSI	0~7Kgf/cm <sup>2</sup> (0~700kPa)
Negative Pressure	-29.5 in Hg	-750mm Hg(10Torr)
Temperature Range	32~140°F	0~60°C

## Product Code System

**RC - 08 - 05 - 50 - Y**      **ARC - 08 - 05 - 50 - Y**

①    ②    ③    ④    ⑤                      ①    ②    ③    ④    ⑤

① Type

② ③ Tube Dia (∅D)

Code	Metric Size		
	0805	1065	1208
Outer Dia	∅8	∅10	∅12
Inner Dia	∅5	∅6.5	∅8

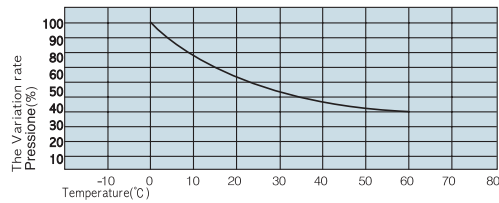
④ Length(m)

⑤ Color

Color	Y	비고					
Color	Yellow	기본사양					
Color	C	BK	R	Bu	G	W	비고
Color	Clear	Black	Red	Blue	Green	White	주문사양

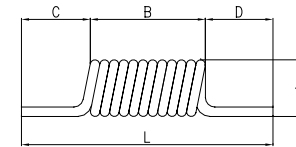
## Working Pressure

- Temperature limits of tube : 0°C ~ 60°C
- Normal Pressure : Control normal pressure within 1/3 of tube burst pressure.



# PDR Coil Tube

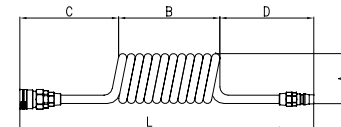
## New RC



### MODEL[OUT-IN]

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

## New ARC



### MODEL[OUT-IN]

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

## 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

## 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)

	Metric Size									
Code	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

	Inch Size							
Code	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

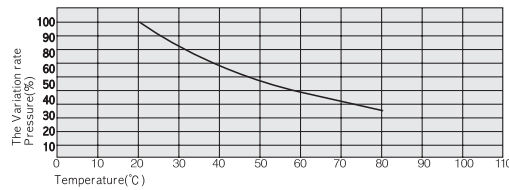
### ④ Color

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

### ⑤ Length(m)

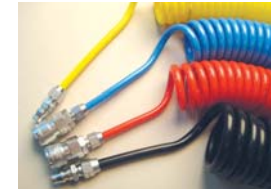
## Working Pressure

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



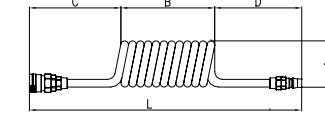
# Polyurethane Tube

## 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

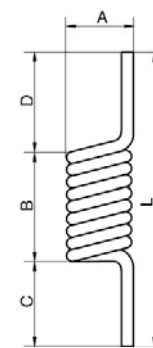


### MODEL [OUT-Length]

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



## 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



# POLYETHYLENE TUBE

## Application

- Used for water cleaning system or food industry.
- Used for experimental machine, chemical piping or fluid piping.

## Feature

- Lightweight, flexible & durable
- Low cost alternative
- FDA approved grade (Optional)

## Specification

Fluid	Air(No other gases or liquids), Water	
Working Pressure Range	0~100PSI	0~7Kgf/cm(0~700kPa)
Negative Pressure	-29.50 in Hg	-750mmHg(10Torr)
Temperature Range	5~140°F	-15~60°C

## Product Code System

**PE - 08 - 60 - O**

① ② ③ ④

### ① Type

### ②③ Tube Dia(∅D)

	Metric Size					
Code	0420	0535	0640	0860	1070	1290
Outer Dia	∅4	∅5	∅6	∅8	∅10	∅12
Inner Dia	∅2	∅3.5	∅4	∅6	∅7	∅9

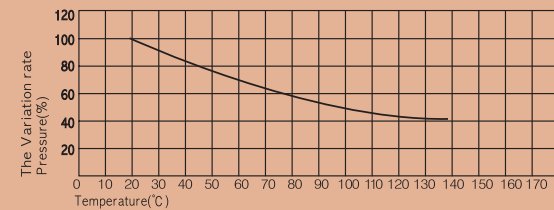
	Inch Size						
Code	1/8	5/32	3/16	1/4	5/16	3/8	1/2
Outer Dia	∅1/8	∅5/32	∅3/16	∅1/4	∅5/16	∅3/8	∅1/2

### ④ Color

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

## Working Pressure

- Temperature limits of tube : -15°C ~ 60°C
- Normal Pressure : Control normal pressure within 1/3 of tube burst pressure.



# Polyethylene Tube



## PE

### MODEL[OUT-IN]

Metric Size		
MODEL	O.D(mm)	I.D(mm)
PE 04020	4	2
PE 05035	5	3.5
PE 06040	6	4
PE 08060	8	6
PE 10070	10	7
PE 12090	12	9

Inch Size		
MODEL	O.D(mm)	I.D(mm)
PE 5/32-2.4	3.97	2.4
PE 3/16-3.2	4.76	3.2
PE 1/4-4.3	6.35	4.3
PE 5/16-4.8	7.94	4.8
PE 3/8-6.4	9.52	6.4
PE 1/2-9.5	12.7	9.5

## 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.

# NYLON TUBE

## Application

- Used for hydraulic and pneumatic connections.
- Used for chemical plant, pneumatic connection, medical instrument and food industry.

## Feature

- Long Life-span with durability, anti-weather, anti-flexibility. Anti-pressure, anti-vibration, anti-corrosion, heat-proof.
- Lightweight & flexible.
- Used for medical instrument and food industry.

## Specification

Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~150PSI	0~9Kgf/cm <sup>2</sup> (0~900kPa)
Negative Pressure	-29.5 in Hg	-750mm Hg(10Torr)
Temperature Range	5~140°F	-15~60°C

## Product Code System

**N - 08 - 60 - O**

① ② ③ ④

### ① Type

### ②③ Tube Dia(∅D)

	Metric Size							
Code	0320	0420	0425	0640	0860	1080	1290	1613
Outer Dia	∅3	∅4	∅4	∅6	∅8	∅10	∅12	∅16
Inner Dia	∅2	∅2	∅2.5	∅4	∅6	∅8	∅9	∅13

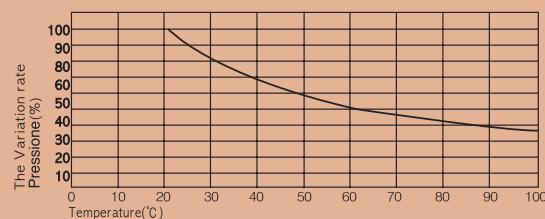
	Inch Size							
Code	1/8	5/32	3/16	1/4	5/16	3/8	1/2	5/8
Outer Dia	∅1/8	∅5/32	∅3/16	∅1/4	∅5/16	∅3/8	∅1/2	∅5/8

### ④ Color

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

## Working Pressure

- Control working pressure within 1/3 of tube burst pressure at working temperature(20°C)
- Working pressure = Burst pressure(kg/cm<sup>2</sup>) x Vibration (%) x 1/3  
Ex) N8 X 6 Tube
- In case of working temperature 50°C.  
Burst pressure 60kg/cm<sup>2</sup> x vibration rate 60%  
∴ Control working pressure below 12kg/cm<sup>2</sup>.



# Nylon Tube

N



## MODEL [OUT-IN]

Metric Size	O.D(mm)	I.D(mm)
N-03020	3	2
N-04020	4	2
N-04025	4	2.5
N-06040	6	4
N-08060	8	6
N-10080	10	8
N-12090	12	9
N-14110	14	11
N-14120	14	12
N-16130	16	13

Inch Size	O.D(mm)	I.D(mm)
N 1/8 -1.6	3.17	1.6
N 1/8 - 2.0	3.17	2
N 5/32 - 2.0	3.97	2
N 5/32 - 2.5	3.97	2.5
N 3/16 - 3.5	4.76	3.5
N 1/4 - 4.6	6.35	4.6
N 5/16 - 6.0	7.94	6
N 3/8 - 6.9	9.52	6.9
N 1/2 - 9.5	12.7	9.5

## 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.