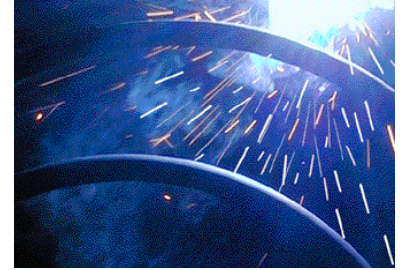


Spark-Lin™ Weld Spatter Resistant Tubing

The Spark-Lin Weld Spatter Resistant Tubing is specially designed for applications with incidental contact between weld spatter and tubing. We've combined a blue 95A durometer polyurethane core with a specially formulated flame-retardant jacket to create a tubing that sheds weld spatter before it can do any damage. The cover also meets UL 94 VO requirements, offers strong insulating properties, and resists a wide variety of oils, greases, acids, bases, and aqueous solutions. Also resists ozone, heat aging and ultraviolet light.



Tools Ordering Information:

Description	Model
Skiving Tool	TS2060
Replacement Blades - 10 pack	TS2060-RB10

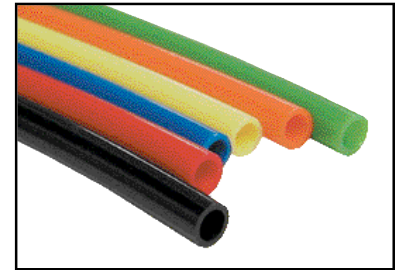


Ordering Information

O.D.	I.D.	Package Size	Jacket Colors	Bend Radius	Working Pressure at 75° F	Working Pressure at 150° F	Pounds/100'	Model
5/32"	.093"	100' Bag	Black	3/8"	176 PSI	88 PSI	0.8	WS2503-100K
5/32"	.093"	500' Bag	Black	3/8"	176 PSI	88 PSI	0.8	WS2503-500K
5/32"	.093"	1000' Reel	Black	3/8"	176 PSI	88 PSI	0.8	WS2503-1000K
1/4"	.160"	100' Bag	Black	1/2"	148 PSI	74 PSI	1.6	WS0404-100K
1/4"	.160"	250' Bag	Black	1/2"	148 PSI	74 PSI	1.6	WS0404-250K
1/4"	.160"	1000' Reel	Black	1/2"	148 PSI	74 PSI	1.6	WS0404-1000K
3/8"	.245"	100' Bag	Black	7/8"	147 PSI	74 PSI	3.6	WS0606-100K
3/8"	.245"	500' Reel	Black	7/8"	147 PSI	74 PSI	3.6	WS0606-500K
1/2"	.320"	50' Bag	Black	1 7/8"	140 PSI	70 PSI	5.2	WS0809-50K
1/2"	.320"	200' Reel	Black	1 7/8"	140 PSI	70 PSI	5.2	WS0809-200K

D.O.T. Tubing

This Type "A" non-reinforced Air Brake tubing is ideal for connecting instrumentation or pneumatic accessories to a vehicle's air brake system. Made of Nylon 11 and heat- and light-stabilized. Available in a variety of colors and in 500' and 1,000' lengths on easy-to-dispense reels.



Ordering Information

Tube O.D.	Bend Radius	Burst Pressure at 75° F	Weight Per 100 ft.	Reel Length	Model
1/8"	3/8"	1000 PSI	.34 lbs.	1000'	DOT18-1000-
5/32"	1/2"	1200 PSI	.57 lbs.	1000'	DOT532-1000-
3/16"	3/4"	1200 PSI	.77 lbs.	1000'	DOT316-1000-
1/4"	1"	1200 PSI	1.21 lbs.	1000'	DOT14-1000-
5/16"	1 1/4"	1000 PSI	1.57 lbs.	500'	DOT516-500-

Note: The "A" signifies nonreinforced D.O.T. tubing.

Complete model number by adding suffix for required color:

Black: K Blue: B Green: G Orange: O Red: R Yellow: Y

FEATURES

- ◆ Meets SAE specifications J844 Type "A".
- ◆ Heat- and light-stabilized.
- ◆ Available on easy-to-dispense reels.

Specifications

Temperature Range:-40° F to +200° F
Max. Working Pressure:150 PSI

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PLASTIC TUBING SELECTION GUIDE

We offer several of the most common thermoplastic tubing compounds used in industrial and pneumatic applications. Each thermoplastic compound exhibits different characteristics that need to be taken into consideration when selecting tubing for any application. Becoming familiar with the different features and advantages of each tubing compound will be most beneficial in the selection process. Here are seven basic categories of questions to help start the selection process:

1. What are the **PRESSURE & TEMPERATURE** limits of the application the tubing will be used in?
2. What is the **MEDIA** running through the tubing?
3. What type of **FITTINGS** will be used with the tubing?
4. What are the required **PHYSICAL FEATURES** of the tubing?
5. What are the **REGULATORY REQUIREMENTS** the tubing must comply to?
6. What must the tubing be **RESISTANT** to?
7. What are the **COST** guidelines?

1. PRESSURE & TEMPERATURE EXPOSURE

The pressure rating of thermoplastic tubing is determined by testing the short term bursting pressure at 75° F. The working pressure is calculated as a ratio of the burst pressure by dividing the burst pressure by an appropriate safety factor. The 3-to-1 or 4-to-1 safety factors are commonly used depending upon the severity of the application.

Example: If tubing burst pressure is 450 PSI at 75° F, the working pressure with a 3-to-1 safety factor is 150 PSI, or with a 4-to-1 safety factor the working pressure would be 112 PSI. Safety factors of less than 3-to-1 are not recommended.

Temperature has a definite impact upon the burst and working pressure of thermoplastic tubing. Careful consideration should be given when operating in elevated temperatures, especially temperatures approaching the maximum limits of the particular tubing compound. *Note:* Reinforced tubing can offer significantly higher pressure ratings.

2. MEDIA

The best advice is always thoroughly test and understand the chemical resistance of your tubing. Varying temperatures, mixing chemicals and varying environmental conditions can significantly alter performance of thermoplastic tubing. We offer samples whenever possible to assist with your in-house testing.

3. FITTINGS

There are three basic types of fittings used on thermoplastic tubing. They are categorized as barbed fittings, compression fittings and push-to-connect or push-in fittings. Each fitting offers different features and benefits. It is very important that the tubing selected be compatible with the type of fitting it is to be installed with.

4. PHYSICAL FEATURE CRITERIA

Four of the most common physical properties considered in the tubing selection process are flexibility, kink resistance, clarity and color availability. The best way to fully understand the difference in flexibility and kink resistance is to compare samples.

5. REGULATORY REQUIREMENTS

There are applications that require that tubing comply with various agency regulations. Some more common compliance requests include:

FDA Food & Drug Administration
NSF National Sanitation Foundation
USP Class VI (U.S. Pharmaceutical) USDA U.S. Dept. of Agriculture
U.L. Underwriters Laboratory

Some regulations are very general, while others are very specific. Due to the complexity of many of the requirements, we strongly urge you to consult our technical service engineers with your exact application for assistance. Responsibility for final application will remain with the user.

6. RESISTANCES

This broad category of tubing characteristics deals mostly with the environmental or working conditions the tubing will be exposed to. Besides the usual resistance to various chemicals, some other considerations are: Abrasion, Moisture, Flammability, Kinking, Vermin, Ultraviolet Light, Bacteria and Fungus.

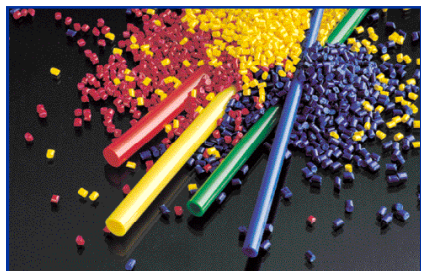
Often overlooked, these environmental factors can contribute to premature tubing failures. If your application has the potential to cause severe damage or injury with a failure, **CAREFUL SELECTION** and **STRINGENT TESTING** ARE MANDATORY.

7. COSTS

If more than one tubing compound will adequately serve the application, then tubing costs might factor into the decision. *Tubing is a relatively low cost item, and its true value is found in long and trouble free service.*

PLASTIC TUBING

Polyurethane Tubing



Coilhose Pneumatics offers Polyurethane Tubing made from an ether (polytetra-methylene glycol ether) based compound, which will not hydrolyze or degrade when exposed to water. Polyurethane has become a popular choice for tubing due to its extreme flexibility and resistance to kinking. In addition, it stands up very well to fuels and oils. Compatible with Coilock fittings (pages 73 - 74) and Poly-Tube fittings (page 75).

Standard Size Ordering information

O.D. x I.D.	Wall Thickness	Working Pressure at 75° F	Tube Length	Model	Color Code Suffix
1/8" x 1/16"	.031"	233 PSI	50'	PT0203-50_	K, X, R,
			250'	PT0203-250_	G, B, Y, Q,
			500'	PT0203-500_	W, P, LX,
			1000'	PT0203-1000_	TC, TR,
			2500'	PT0203-2500_	TG,
5/32" x 3/32"	.031"	176 PSI	100'	PT02503-100_	K, X, R,
			400'	PT02503-400_	G, B, Y, Q, W
			1000'	PT02503-1000_	P, TC,TR
			2500'	PT02503-2500_	TG, TB, TY
1/4" x 1/8"	.062"	194 PSI	100'	PT0406-100_	K, X, R, G, B,
			500'	PT0406-500_	Y, Q, W, TC,
			1000'	PT0406-1000_	TG, TB, TQ
1/4" x .160"	.045"	148 PSI	100'	PT0404-100_	K, X, R, G, B, Y,
			500'	PT0404-500_	Q, W, P, NG, TC,
			1000'	PT0404-1000_	TR, TG, TB, TY
3/8" x 1/4"	.062"	147 PSI	100'	PT0606-100_	K, X, R, G, B, Y, W,
			500'	PT0606-500_	NP, NG, TC, TB, TY
15/32" x 5/16"	.079"	133 PSI	50'	PT0707-50_	K, X, R, G, B, Y, Q, W,
			250'	PT0707-250_	P, TC, TR, TG, TB, TY
1/2" x .320"	.090"	140 PSI	50'	PT0809-50_	K, R, B, Y,
			250'	PT0809-250_	TC, TB
9/16" x 3/8"	.094"	133 PSI	50'	PT0909-50_	K, R, G, B, Y, NG
			200'	PT0909-200_	TC, TB, TY
3/4" x .467"	.141"	145 PSI	150'	PT1214-150_	R, B, Y, TC, TB

Metric Size Ordering Information

O.D. x I.D. (mm)	Wall Thickness	Working Pressure at 75° F	Tube Length	Model	Color Code Suffix
3.0 x 1.8	.6 mm	160 PSI	100'	PT0306-100_	K, TC
			500'	PT0306-500_	
			1000'	PT0306-1000_	
			2500'	PT0306-2500_	
4.0 x 2.4	.8 mm	176 PSI	100'	PT0408-100_	K, X, R,
			400'	PT0408-400_	G, B, Y, Q, W
			1000'	PT0408-1000_	P, TC,TR
			2500'	PT0408-2500_	TG, TB, TY
6.0 x 4.0	1.0 mm	145 PSI	100'	PT0610-100_	K, X, R, G, B,
			500'	PT0610-500_	Y, Q, W, TC,
			1000'	PT0610-1000_	TG, TB
8.0 x 5.0	1.5 mm	155 PSI	100'	PT0815-100_	K, R, B, W, Y,
			500'	PT0815-500_	NG, TC, TB
10.0 x 6.5	1.75 mm	149 PSI	50'	PT1017-50_	K, R, G, B
			500'	PT1017-500_	Y, TC, TB
12.0 x 8.0	2.0 mm	133 PSI	50'	PT1220-50_	K, R, B, Y, W,
			250'	PT1220-250_	NG, TC, TB

Color Key Code - Standard & Metric Sizes

K	Black
X	Gray
R	Red
G	Green
B	Blue
Y	Yellow
Q	Orange
W	White
P	Purple
LX	Light Gray
NG	Neon Green
TC	Transparent Clear
TR	Transparent Red
TG	Transparent Green
TB	Transparent Blue
TY	Transparent Yellow
TQ	Transparent Orange

Specifications

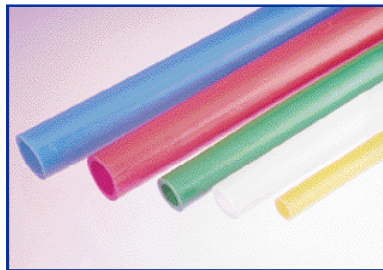
Temperature Range: ... -40° F to +165° F
 Vacuum Rating: ... To 28" Hg.
 Diameter Tolerances: ... 1/8" - 9/16" +/- .005"
 3/4" +/- .007"
 Working Pressure:3 to 1 Safety Factor
 Compliance: ... NSF61, Meets UL94HB
 UV Stabilized: ... Yes



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PLASTIC TUBING

Polyethylene Tubing



Polyethylene is one of the most popular choices for low pressure tubing due to its resistance to most chemicals and solvents, good flexibility and economical cost. Our PE Tubing is manufactured from high quality resins and extruded to close tolerances. We offer five popular sizes. Compatible with Coilock Fittings (pages 73 - 74) and Poly-Tube Fittings (page 75).

Standard Size Ordering Information

Tube O.D.	Tube I.D.	Wall Thickness	WP at 75° F	Tube Length	Model
1/8"	.062"	.031"	120 PSI	100'	PE021-100_
1/8"	.062"	.031"	120 PSI	500'	PE021-500_
1/8"	.062"	.031"	120 PSI	1000'	PE021-1000_
1/8"	.062"	.031"	120 PSI	2500'	PE021-2500_
5/32"	.106"	.025"	166 PSI	100'	PE2510-100_
5/32"	.106"	.025"	166 PSI	250'	PE2510-250_
5/32"	.106"	.025"	166 PSI	1000'	PE2510-1000_
5/32"	.106"	.025"	166 PSI	2500'	PE2510-2500_
1/4"	.170"	.040"	173 PSI	100'	PE0417-100_
1/4"	.170"	.040"	173 PSI	500'	PE0417-500_
1/4"	.170"	.040"	173 PSI	1000'	PE0417-1000_
5/16"	.236"	.038"	125 PSI	100'	PE3103-100_
5/16"	.236"	.038"	125 PSI	500'	PE3103-500_
3/8"	.250"	.062"	192 PSI	100'	PE064-100_
3/8"	.250"	.062"	192 PSI	500'	PE064-500_
1/2"	.375"	.062"	123 PSI	100'	PE086-100_
1/2"	.375"	.062"	123 PSI	250'	PE086-250_
1/2"	.375"	.062"	123 PSI	500'	PE086-500_
5/8"	.50"	.062"	117 PSI	100'	PE106-100_*
5/8"	.50"	.062"	117 PSI	300'	PE106-300_*

Complete model number by adding suffix for required color:

Black: K **Blue: B** **Green: G**
Natural: N **Red: R** **Yellow: Y**

*Only available in Black or Natural.

Metric Size Ordering Information

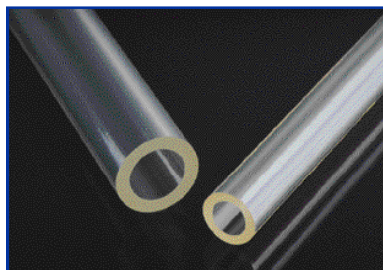
Tube O.D.	Tube I.D.	Wall Thickness	WP at 75° F	Tube Length	Model
4.0 mm	2.7 mm	.65 mm	166 PSI	100'	PE0465-100_
4.0 mm	2.7 mm	.65 mm	166 PSI	250'	PE0465-250_
4.0 mm	2.7 mm	.65 mm	166 PSI	1000'	PE0465-1000_
6.0 mm	4.0 mm	1.0 mm	170 PSI	100'	PE0610-100_
6.0 mm	4.0 mm	1.0 mm	170 PSI	500'	PE0610-500_
6.0 mm	4.0 mm	1.0 mm	170 PSI	1000'	PE0610-1000_
8.0 mm	6.0 mm	1.0 mm	118 PSI	100'	PE0810-100_
8.0 mm	6.0mm	1.0 mm	118 PSI	500'	PE0810-500_
10.0 mm	8.0 mm	1.0 mm	90 PSI	100'	PE1010-100_
10.0 mm	8.0 mm	1.0 mm	90 PSI	500'	PE1010-500_
12.0 mm	9.0 mm	1.5 mm	113 PSI	100'	PE1215-100_
12.0 mm	9.0 mm	1.5 mm	113 PSI	250'	PE1215-250_
12.0 mm	9.0 mm	1.5 mm	113 PSI	500'	PE1215-500_

Complete model number by adding suffix for required color:
 METRIC ONLY **Black: K** **Natural: N**

Specifications

Temperature Range: -40° F to +150° F
 Vacuum Rating: To 28" Hg.
 Diameter Tolerances: -0.004" all inch sizes;
 -0.1 mm all Metric sizes
 Hardness: 44 Shore D
 Working Pressure: 3 to 1 Safety Factor
 Compliance: PDA for food contact

Polyvinyl (PVC) Tubing



Polyvinyl (PVC) Tubing is a clear, lightweight non-toxic tubing that is more flexible than Nylon and Polyethylene. It is resistant to most chemicals and solvents and can be sterilized repeatedly. PVC is also superior to glass in clarity and flexibility. Coilhose Polyvinyl Tubing eliminates breakage and facilitates repeated, intricate bending. A glass-smooth I.D. prevents sediment accumulation.

Our PVC Tubing complies with government regulations for hospitals and food processing (F.D.A. Standards). Common applications include use in chemical, industrial, laboratory, medical, food and beverage industries.

PVC can be safely used in temperature ranges of -30° F to +150° F. Compatible with Poly-Tube Fittings (page 75) and Hose Barbs (page 76).

Ordering Information

Tube O.D.	Tube I.D.	Wall Thickness	WP at 75° F	Tube Length	Model
1/8"	1/16"	.031"	60 PSI	100'	PV021-100
1/4"	.170"	.040"	65 PSI	100'	PV0417-100
1/4"	1/8"	.062"	85 PSI	100'	PV042-100
5/16"	3/16"	.062"	73 PSI	100'	PV053-100
3/8"	1/4"	.062"	73 PSI	100'	PV064-100
1/2"	3/8"	.062"	60 PSI	100'	PV086-100
3/4"	1/2"	.125"	60 PSI	100'	PV1208-100

Specifications

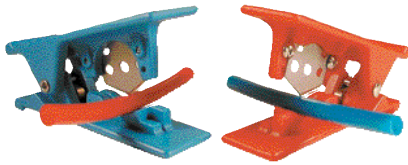
Temperature Range: -30° F to +150° F
 Vacuum Rating: Not Recommended
 Hardness: 80A Durometer
 Working Pressure: 3 to 1 Safety Factor
 Compliance: FDA for food contact



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PLASTIC TUBING

Tubing Cutter



Our Plastic Tubing Cutter is designed to be the most efficient and accurate tubing cutter available. It provides a square cut without deforming the tubing to allow a more secure connection into the fitting. It's durable enough to cut hard plastic tubing yet lightweight and small enough for convenient storage. Ideal for Nylon, Polyurethane, Polyethylene and most other plastic tubing. Our cutter will cut 1/8" O.D. through 3/4" O.D. tubing.

For added convenience, we offer the cutter with a coiled leash so it can be permanently attached to a designated location. This helps to avoid misplacing the cutter.

Ordering Information:

Description	Model
Tubing Cutter -black	PXC058
Tubing Cuter - blue	PXC058B
Tubing Cutter - red	PXC058R
Tubing Cutter - black with leash	PXC058-L
Tubing Cutter - counter top display	PXC058-DB*
Replacement Blade - single	PXC059
Replacement Blades - 5 pack	PXC059-P5
Replacement Blades - 10 pack	PXC059-P10

* Includes four PXC058 (black), three PXC058B (blue) and three PXC058R (red) tubing cutters in a 5 3/4" wide x 3/4" deep x 6" high display box.

PLASTIC TUBING

Hose Cutter



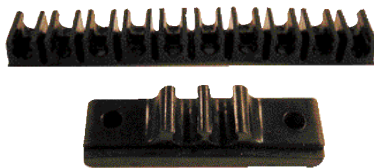
The Coilhose Hose Cutter will accurately and easily cut hose or tubing up to 1 1/4" in diameter. Its ergonomically designed handle, made from durable high impact plastic, provides the user with a sure and comfortable grip, and minimizes fatigue. A corrosion-resistant heavy steel blade allows even braided hose to be cut clean and straight with minimum effort. Cuts without burring, allowing a leak-free fitting connection. Blade can be reversed to extend its cutting life. Steel clip keeps jaws locked in the closed position. Ideal for tough industrial applications. Hose Cutter length is 8 1/2".

Ordering Information:

Description	Model
Hose Cutter	PXC098R
Replacement Blade	PXC099
Replacement Blade - 10 pack	PXC099-10

Tube Channels

Tube Channels provide a convenient method of organizing, routing and securing tubing lines. They also make it easier to follow and trace multiple runs of tubing. There are two configurations of Tubing Channel to choose from:



Ordering Information

Tube O.D. (inch)	Tube O.D. (Metric)	No. of Channels	Model
5/32"	4.0 mm	10	TC5-10
3/16"	4.75 mm	10	TC3-10
1/4"	6.35 mm	10	TC4-10
3/8"	9.52 mm	7	PTC6-7
3/8"	9.52 mm	10	PTC6-10
1/2"	12.70 mm	6	PTC8-6

Smaller O.D. Tubing: 5/32" - 1/4" / 4.0 mm - 6.35 mm
This smaller style 10 Tube Channel is supplied with an adhesive backing for quick and easy mounting. Countersunk holes sized for number 4 screws are also provided on each channel section. The channel is designed to be easily cut to accommodate between 1 and 10 tubes.

Larger O.D. Tubing: 3/8" - 1/2" / 9.52 mm - 12.70 mm
This larger style Tube Channel has screw mounting holes in the lips on each end. They are available with different numbers of channel slots to fit various application needs.



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