

Fre-Thane® Polyurethane

Specifications

Temperature Range
-40°F to +165°F

Vacuum Rating
85A-95A: To 28" Hg
70: To 20" Hg

Diameter Tolerances
1/8" - 9/16": ±.005"
3/4": ±.007"
Metric: ±.127 mm

Tube Markings
None

Working Pressure
3:1 Safety Factor

UV Stabilized
95A & 85A

Resin Compliance
See Material Compliance
Notice on page 2

Suggested Fittings
95A: Barb, Push-In, FX
90A: Barb
85A: Barb
70A: Barb



Freelin-Wade began manufacturing polyurethane tubing in 1980. It remains our flagship product today. It is available in 27 standard colors and a virtually infinite number of color variations. Fre-Thane® is Freelin-Wade's most versatile product, with more options and variations available than any other tubing.

Freelin-Wade's Fre-Thane® has a high resistance to abrasion while being highly flexible and kink resistant. Its most notable quality though is its "memory." Fre-Thane® will stretch and flex but always return to its original shape.

There are two general classes of polyurethane and both are commonly found in the market: Ether-base and Ester-base. Chemically, these are made from two different polyol alcohols that cause similar, but different reactions in the isocyanate. From the user's standpoint, the Ester-base polymer is less expensive. However, it degrades when exposed to moisture. Because of this, we manufacture our Fre-Thane® polyurethane tubing using the Ether-base material.



Fre-Thane Polyurethane Colors

Any of our polyurethane tubing products listed on pages 9 and 10 are available in the colors shown below. If not shown as a standard item, please allow 4 weeks to fulfill your order.



Fre-Thane® 95A Polyurethane

Part Number & Color Code	Packaging Unit Size	OD	ID	Wall	Standard Colors	Working Pressure		lb/100'	Bend Radius	Fitting
						75°F/25°C	150°F/65°C			
1J-157- ____	50' Bag	1/8"	.066"	.030"		255 PSI	100 PSI	.44	1/4"	B, PI
1L-157- ____	250' Box									
1C-157- ____	500' Reel									
1B-157- ____	1000' Reel									
1A-157- ____	2500' Reel									
1J-156- ____	100' Bag	5/32"	3/32"	.031"		210 PSI	85 PSI	.62	3/8"	B, PI
1C-156- ____	500' Reel									
1B-156- ____	1000' Reel									
1A-156- ____	2500' Reel									
1J-107- ____	100' Bag	3/16"	.107"	.040"		220 PSI	90 PSI	.92	3/8"	B, PI
1B-107- ____	1000' Reel									
1A-107- ____	2000' Reel									
1J-169- ____	100' Bag	1/4"	1/8"	.062"		265 PSI	105 PSI	1.83	1/2"	B, PI
1B-169- ____	500' Reel									
1A-169- ____	1000' Reel									
1J-151- ____	100' Bag	1/4"	.160"	.045"		175 PSI	70 PSI	1.44	1/2"	B, PI, FX
1B-151- ____	500' Reel									
1A-151- ____	1000' Reel									
1J-152- ____	100' Bag	3/8"	.245"	.065"		170 PSI	70 PSI	3.15	7/8"	B, PI, FX
1B-152- ____	250' Reel									
1A-152- ____	500' Reel									
1J-161- ____	50' Bag	15/32"	5/16"	.079"		155 PSI	60 PSI	4.83	1-1/8"	B, PI
1A-161- ____	250' Reel									
1J-166- ____	50' Bag	1/2"	.320"	.090"		175 PSI	70 PSI	5.77	1-1/8"	B, PI
1A-166- ____	250' Reel									
1J-163- ____	50' Bag	9/16"	3/8"	.094"		155 PSI	60 PSI	6.85	1-3/8"	B, FX
1A-163- ____	200' Reel									
1A-176- ____	150' Reel	3/4"	.467"	.142"		175 PSI	70 PSI	13.47	1-1/2"	B, FX
1E-176- ____	Cut Length									

Metric Sizes

Part Number & Color Code	Packaging Unit Size	OD	ID	Wall	Standard Colors	Working Pressure		lb/100'	Bend Radius	Fitting
						75°F/25°C	150°F/65°C			
1J-171- ____	100' Bag	3 mm	1.8 mm	.6 mm		230 PSI	90 PSI	.35	6.4 mm	B, PI
1C-171- ____	500' Reel									
1B-171- ____	1000' Reel									
1A-171- ____	2500' Reel									
1J-156- ____	100' Bag	4 mm	2.4 mm	.8 mm		210 PSI	85 PSI	.62	9.5 mm	B, PI
1C-156- ____	500' Reel									
1B-156- ____	1000' Reel									
1A-156- ____	2500' Reel									
1J-158- ____	100' Bag	6 mm	4 mm	1 mm		160 PSI	65 PSI	1.21	12.7 mm	B, PI
1B-158- ____	500' Reel									
1A-158- ____	1000' Reel									
1J-159- ____	100' Bag	8 mm	5 mm	1.5 mm		190 PSI	75 PSI	2.60	19 mm	B, PI
1A-159- ____	500' Reel									
1J-160- ____	50' Bag	10 mm	6.5 mm	1.75 mm		170 PSI	70 PSI	3.90	22.2 mm	B, PI
1A-160- ____	500' Reel									
1J-161- ____	50' Bag	12 mm	8 mm	2 mm		155 PSI	60 PSI	5.20	28.6 mm	B, PI
1A-161- ____	250' Reel									
1J-168- ____	50' Bag	14 mm	10 mm	2 mm		120 PSI	40 PSI	6.30	57.2 mm	B, PI
1A-168- ____	200' Reel									
1J-162- ____	50' Bag	16 mm	11 mm	2.5 mm		150 PSI	60 PSI	9.00	76.2 mm	B, PI
1A-162- ____	200' Reel									
1J-177- ____	50' Bag	20 mm	15 mm	2.5 mm		110 PSI	20 PSI	10.30	69.9 mm	B, PI
1AA-177- ____	200' Reel									

Variations Available: Coiling • Colors • Cutting • Bonding • Printing • Packaging • Sizes

US Toll Free: 888-373-9233



Fre-Thane® 90A Polyurethane

Part Number & Color Code	Packaging Unit Size	OD	ID	Wall	Standard Colors	Working Pressure		lb/100'	Bend Radius	Fitting
						75°F/25°C	150°F/65°C			
1J-132- ____	100' Bag	1/4"	.159"	.046"	01 04 05 06 07 08 09 10 11 14 25 27	135 PSI	55 PSI	1.43	5/8"	B
1B-132- ____	500' Reel									
1A-132- ____	1000' Reel									
1J-045- ____	100' Bag	1/4"	.170"	.040"	01 05 10	115 PSI	45 PSI	1.29	3/4"	B
1B-045- ____	500' Reel									
1A-045- ____	1000' Reel									
1J-153- ____	100' Bag	1/4"	3/16"	.031"	10	90 PSI	35 PSI	1.06	1-1/8"	B
1A-153- ____	1000' Reel									
1J-005- ____	100' Bag	3/8"	.245"	.065"	01 05 07 10 11 25 27	125 PSI	50 PSI	3.1	3/4"	B
1B-005- ____	250' Reel									
1A-005- ____	500' Reel									
1J-111- ____	50' Bag	1/2"	3/8"	.062"	01 05 10	90 PSI	35 PSI	4.2	2"	B
1A-111- ____	250' Reel									

Variations Available:

Coiling • Colors • Cutting • Bonding • Printing • Packaging • Sizes

Fre-Thane® 85A Polyurethane

Part Number & Color Code	Packaging Unit Size	OD	ID	Wall	Standard Colors	Working Pressure		lb/100'	Bend Radius	Fitting
						75°F/25°C	150°F/65°C			
1J-013- ____	50' Bag	1/8"	.066"	.030"	01 02 04 05 06 07 08 09 10 11 12 14 25 26 27 28 29 32 45 46	135 PSI	55 PSI	.43	3/16"	B
1L-013- ____	250' Box									
1C-013- ____	500' Reel									
1B-013- ____	1000' Reel									
1A-013- ____	2500' Reel									
1J-134- ____	100' Bag	5/32"	3/32"	.031"	01 10	115 PSI	45 PSI	.60	3/8"	B
1C-134- ____	500' Reel									
1A-134- ____	2500' Reel									
1J-030- ____	100' Bag	5/32"	5/64"	.039"	01 05 06 07 08 09 10 11 12 27	155 PSI	60 PSI	.70	3/8"	B
1C-030- ____	500' Reel									
1B-030- ____	1000' Reel									
1A-030- ____	2500' Reel									
1J-194- ____	100' Bag	3/16"	1/8"	.031"	01 10	85 PSI	35 PSI	.74	1/2"	B
1B-194- ____	500' Reel									
1A-194- ____	2000' Reel									
1J-006- ____	100' Bag	.240"	.150"	.045"	01 04 05 06 07 08 09 10 11 14 26 27 54	121 PSI	48 PSI	1.4	5/8"	B
1D-006- ____	100' Box									
1B-006- ____	500' Reel									
1A-006- ____	1000' Reel									
1J-025- ____	50' Bag	1/4"	1/8"	.062"	01 02 04 05 06 07 08 09 10 11 12 25 26 27 28 29 32 46	145 PSI	60 PSI	1.8	1/2"	B
1D-025- ____	100' Box									
1B-025- ____	500' Reel									
1A-025- ____	1000' Reel									
1J-149- ____	100' Bag	5/16"	3/16"	.062"	01 07 10 27	110 PSI	45 PSI	2.4	5/8"	B
1A-149- ____	500' Reel									
1J-015- ____	100' Bag	3/8"	1/4"	.062"	01 10 25 26 27	90 PSI	35 PSI	3.0	3/4"	B
1A-015- ____	500' Reel									

Variations Available:

Coiling • Colors • Cutting • Bonding • Printing • Packaging • Sizes

Fre-Thane® 70A Polyurethane

Part Number & Color Code	Packaging Unit Size	OD	ID	Wall	Standard Colors	Working Pressure		lb/100'	Bend Radius	Fitting
						75°F/25°C	150°F/65°C			
1J-133- ____	100' Bag	1/4"	1/8"	.062"	01 10 14 25 26 27 29	60 PSI	30 PSI	1.69	1/2"	B
1B-133- ____	500' Reel									
1A-133- ____	1000' Reel									
1J-170- ____	100' Bag	3/8"	1/4"	.062"	07 10	50 PSI	25 PSI	2.82	3/4"	B
1A-170- ____	500' Reel									

Variations Available:

Coiling • Colors • Cutting • Bonding • Printing • Packaging • Sizes

Multi-Bore Polyurethane

Specifications

Temperature Range
-40°F to +165°F

Vacuum Rating
To 28" Hg

Diameter Tolerances
±.005"

Tube Markings
None

Working Pressure
3:1 Safety Factor

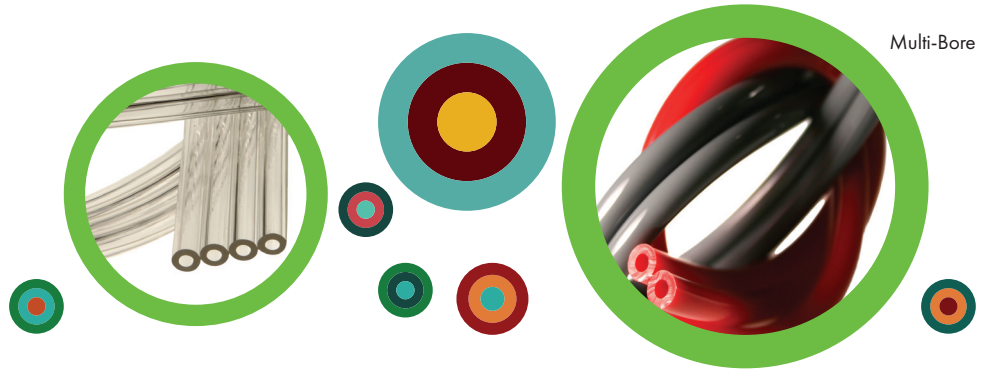
UV Stabilized
85A

Resin Compliance
See Material
Compliance Notice on
page 2

Suggested Fittings
Barb

Multi-Bore tubing is produced using our Fre-Thane® polyurethane in a single extrusion. Unlike MCR, it is made in one extrusion, which means the tube can only be made in a single color. Unlike MCR, Multi-Bore can't be separated cleanly and should not be used with push-in fittings.

If you require more colors than are listed here, consider using our Multi-Colored Ribbon (MCR). See page 12 for more information about MCR.



85A Multi-Bore Polyurethane

Part Number & Color Code	Packaging Unit Size	OD	ID	Configuration	Standard Colors	Working Pressure		lb/100'	Fitting
						75°F/25°C	150°F/65°C		
3J-028- ____	100' Bag	1/8"	.066"	Triple Tube	10	125 PSI	50 PSI	1.7	B
3A-028- ____	1000' Reel	1/8"	.066"	Triple Tube	10	125 PSI	50 PSI	1.7	B
4J-026- ____	100' Bag	1/8"	.066"	Quad Tube	10	125 PSI	50 PSI	2.2	B
4A-026- ____	500' Reel	1/8"	.066"	Quad Tube	10	125 PSI	50 PSI	2.2	B
2J-016- ____	100' Bag	1/4"	1/8"	Twin Tube	01 05 10 27	150 PSI	60 PSI	4.1	B
2A-016- ____	500' Reel	1/4"	1/8"	Twin Tube	01 05 10 27	150 PSI	60 PSI	4.1	B
4J-023- ____	50' Bag	1/4"	1/8"	Quad Tube	10	150 PSI	60 PSI	8.4	B
4A-023- ____	250' Reel	1/4"	1/8"	Quad Tube	10	150 PSI	60 PSI	8.4	B

90A Multi-Bore Polyurethane

Part Number & Color Code	Packaging Unit Size	OD	ID	Configuration	Standard Colors	Working Pressure		lb/100'	Fitting
						75°F/25°C	150°F/65°C		
2J-006- ____	100' Bag	1/8"	1/16"	Twin Tube	01 10 14 54 92	190 PSI	75 PSI	1.1	B
2B-006- ____	1000' Reel	1/8"	1/16"	Twin Tube	01 10 14 54 92	190 PSI	75 PSI	1.1	B
2A-006- ____	2000' Reel	1/8"	1/16"	Twin Tube	01 10 14 54 92	190 PSI	75 PSI	1.1	B
2J-013- ____	100' Bag	1/4"	.159"	Twin Tube	14 54	130 PSI	50 PSI	2.9	B
2A-013- ____	500' Reel	1/4"	.159"	Twin Tube	14 54	130 PSI	50 PSI	2.9	B
2J-024- ____	100' Bag	3/8"	1/4"	Twin Tube	01 10	120 PSI	50 PSI	6.8	B
2A-024- ____	250' Reel	3/8"	1/4"	Twin Tube	01 10	120 PSI	50 PSI	6.8	B

Variations Available:

Coiling • Cutting • Bonding • Printing • Packaging • Sizes

Multi-Bore Coils

Part Number & Color Code	OD	ID	Bore/DUR	Standard Colors	Tail Lengths	Working Pressure		Material Length	Working Length	Retracted Length	Coil ID
						75°F/25°C	150°F/65°C				
2V-006- ____	1/8"	1/16"	Twin 90A	01 10 14 54	8" / 16"	160 PSI	65 PSI	7'	5'	6"	3/4"
2W-016- ____	1/4"	1/8"	Twin 85A	01 05 10 27	8" / 16"	130 PSI	50 PSI	10'	8'	12.5"	1"
4W-023- ____	1/4"	1/8"	Quad 85A	10	8" / 16"	130 PSI	50 PSI	10'	7'	21"	1-1/4"

Variations Available:

Cutting • Printing • Packaging

US Toll Free: 888-373-9233

11

Multi-Colored Ribbon (MCR)

Specifications

Temperature Range
-40°F to +165°F

Vacuum Rating
85A-95A: To 28" Hg

Diameter Tolerances
1/8" - 9/16": ±.005"
3/4": ±.007"
Metric: ±.127 mm

Tube Markings
None

Working Pressure
3:1 Safety Factor

UV Stabilized
95A & 85A

Resin Compliance
See Material
Compliance Notice on
page 2

Suggested Fittings
95A: Barb, Push-In, FX
85A: Barb

Multi-Colored Ribbon tubing (MCR) is a bonded ribbon of multi-colored Fre-Thane® Polyurethane tubing. Any time that you are routing two or more lines, MCR is the way to go. It offers faster installation times and eliminates the need for spiral wrap or jacketing.

Freelin-Wade's proprietary bonding process allows the tubing to be separated without leaving any residue. This ensures a tight, leak free seal with push-in style fittings. MCR is a durable, cost-effective way to color code your tubing lines for identification, tracing or troubleshooting. Additionally, MCR will withstand the rigors of flexing and stretching, just like the rest of our polyurethane tubing.

MCR is available in a wide range of stock configurations which are listed below and to the right. In addition, variations are easy. Freelin-Wade will make MCR to suit your needs. Our unique manufacturing process enables us to bond up to 20 tubes, mixing and matching colors, sizes and configurations.

Features

- Bond 2 to 20 tubes, up to 3.5" wide
- Use multiple colors in any combination.
- Mix or match tube sizes.
- Tubes can be stacked into many configurations.
- Color code your lines making routing and line identification easy.

Common MCR Variations



85A Standard Multi-Colored Ribbon (MCR)

Part Number & Color Code	Packaging Unit Size	OD	ID	Color Arrangement	Working Pressure 75°F/25°C	lb/100'	Bend Radius	Fitting
2M-013-01-10 2ME-013-01-10	100' Bag Cut Length	1/8"	.066"	01 10	135 PSI	.86	3/16"	B
4M-013-26-28-29-25 4ME-013-26-28-29-25	100' Bag Cut Length	1/8"	.066"	26 28 29 25	135 PSI	1.72	3/16"	B
6M-013-06-07-05-08-09-12 6ME-013-06-07-05-08-09-12	100' Bag Cut Length	1/8"	.066"	06 07 05 08 09 12	135 PSI	2.58	3/16"	B
8M-013-11-04-32-27-26-28-29-25 8ME-013-11-04-32-27-26-28-29-25	100' Bag Cut Length	1/8"	.066"	11 04 32 27 26 28 29 25	135 PSI	3.44	3/16"	B
8M-013-10-10-10-10-10-10-10-10 8ME-013-10-10-10-10-10-10-10-10	100' Bag Cut Length	1/8"	.066"	10 10 10 10 10 10 10 10	135 PSI	3.44	3/16"	B
2M-025-01-10 2ME-025-01-10	100' Bag Cut Length	1/4"	1/8"	01 10	145 PSI	3.60	1/2"	B
4M-025-26-28-29-25 4ME-025-26-28-29-25	100' Bag Cut Length	1/4"	1/8"	26 28 29 25	145 PSI	7.20	1/2"	B
6M-025-06-07-05-08-09-12 6ME-025-06-07-05-08-09-12	100' Bag Cut Length	1/4"	1/8"	06 07 05 08 09 12	145 PSI	10.80	1/2"	B
6M-025-10-10-10-10-10-10 6M-0125-10-10-10-10-10-10	100' Bag Cut Length	1/4"	1/8"	10 10 10 10 10 10	145 PSI	10.80	1/2"	B
8M-025-11-04-32-27-26-28-29-25 8ME-025-11-04-32-27-26-28-29-25	100' Bag Cut Length	1/4"	1/8"	11 04 32 27 26 28 29 25	145 PSI	14.40	1/2"	B

Variations Available:

Coiling • Colors • Cutting • Packaging • Sizes

95A Standard Multi-Colored Ribbon (MCR)

Part Number & Color Code	Packaging Unit Size	OD	ID	Color Arrangement	Working Pressure 75°F/25°C	lb/100'	Bend Radius	Fitting
2M-157-05-07	100' Bag	1/8"	.066"		255 PSI	.88	1/4"	B, PI
2ME-157-05-07	Cut Length							
4M-157-05-07-11-10	100' Bag	1/8"	.066"		255 PSI	1.72	1/4"	B, PI
4ME-157-05-07-11-10	Cut Length							
6M-157-08-06-05-07-11-10	100' Bag	1/8"	.066"		255 PSI	2.60	1/4"	B, PI
6ME-157-08-06-05-07-11-10	Cut Length							
8M-157-25-27-08-06-05-07-11-10	100' Bag	1/8"	.066"		255 PSI	3.52	1/4"	B, PI
8ME-157-25-27-08-06-05-07-11-10	Cut Length							
8M-157-10-10-10-10-10-10-10-10	100' Bag	1/8"	.066"		255 PSI	3.52	1/4"	B, PI
8ME-157-10-10-10-10-10-10-10-10	Cut Length							
2M-156-05-07	100' Bag	5/32"	3/32"		210 PSI	1.24	3/8"	B, PI
2ME-156-05-07	Cut Length							
4M-156-05-07-11-10	100' Bag	5/32"	3/32"		210 PSI	2.48	3/8"	B, PI
4ME-156-05-07-11-10	Cut Length							
6M-156-08-06-05-07-11-10	100' Bag	5/32"	3/32"		210 PSI	3.72	3/8"	B, PI
6ME-156-08-06-05-07-11-10	Cut Length							
2M-151-05-07	100' Bag	1/4"	.160"		175 PSI	2.88	1/2"	B, PI, FX
2ME-151-05-07	Cut Length							
4M-151-05-07-11-10	100' Bag	1/4"	.160"		175 PSI	5.76	1/2"	B, PI, FX
4ME-151-05-07-11-10	Cut Length							
6M-151-08-06-05-07-11-10	100' Bag	1/4"	.160"		175 PSI	8.64	1/2"	B, PI, FX
6ME-151-08-06-05-07-11-10	Cut Length							
8M-151-25-27-08-06-05-07-11-10	100' Bag	1/4"	.160"		175 PSI	11.52	1/2"	B, PI, FX
8ME-151-25-27-08-06-05-07-11-10	Cut Length							
2M-152-05-07	100' Bag	3/8"	.245"		170 PSI	6.30	7/8"	B, PI, FX
2ME-152-05-07	Cut Length							
4M-152-05-07-11-10	100' Bag	3/8"	.245"		170 PSI	12.60	7/8"	B, PI, FX
4ME-152-05-07-11-10	Cut Length							

Metric Sizes

Part Number & Color Code	Packaging Unit Size	OD	ID	Color Arrangement	Working Pressure 75°F/25°C	lb/100'	Bend Radius	Fitting
2M-156-05-07	100' Bag	4 mm	2.4 mm		210 PSI	1.24	9.5 mm	B, PI
2ME-156-05-07	Cut Length							
4M-156-05-07-11-10	100' Bag	4 mm	2.4 mm		210 PSI	2.48	9.5 mm	B, PI
4ME-156-05-07-11-10	Cut Length							
6M-156-08-06-05-07-11-10	100' Bag	4 mm	2.4 mm		210 PSI	3.72	9.5 mm	B, PI
6ME-156-08-06-05-07-11-10	Cut Length							
2M-158-09-01	100' Bag	6 mm	4 mm		160 PSI	2.42	12.7 mm	B, PI
2ME-158-09-01	Cut Length							
4M-158-09-01-11-10	100' Bag	6 mm	4 mm		160 PSI	4.84	12.7 mm	B, PI
4ME-158-09-01-11-10	Cut Length							
2M-159-06-08	100' Bag	8 mm	5 mm		190 PSI	4.72	19 mm	B, PI
2ME-159-06-08	Cut Length							
4M-159-06-08-11-10	100' Bag	8 mm	5 mm		190 PSI	9.44	19 mm	B, PI
4ME-159-06-08-11-10	Cut Length							

Variations Available:

Coiling • Colors • Cutting • Packaging • Sizes

95A Multi-Colored Ribbon (MCR) Coils

Part Number & Color Code	OD	ID	Tail Length	Color Arrangement	Working Pressure 75°F/25°C 150°F/65°C	Material Length	Working Length	Retracted Length	Coil ID
2MC-156-5	5/32"	3/32"	8"		190 PSI 75 PSI	5'	3.75'	3.75"	1"
2MC-156-10						10'	7.5'	9"	1"
2MC-151-5	1/4"	.160"	8"		155 PSI 60 PSI	5'	3.75'	5.6"	1"
2MC-151-10						10'	7.5'	13.25"	1"
2MC-152-5	3/8"	.245"	8"		150 PSI 60 PSI	5'	3.75'	5"	1.75"
2MC-152-10						10'	7.5'	11.5"	1.75"

Variations Available:

Colors • Cutting • Packaging • Sizes

US Toll Free: 888-373-9233

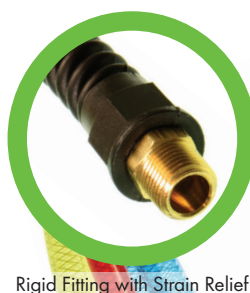
13

Flexeel® Polyurethane Reinforced Hose is an excellent alternative to much bulkier rubber hoses. Extremely lightweight and tough, it is ideal for either outdoor or indoor use. Flexeel retains its flexibility even in cold environments.

Features

- Withstands constant flexing, even in subzero conditions.
- Kink & abrasion resistant.
- Much lighter than other comparably sized hoses.
- Very small bend radius.
- Resistant to chemicals, water, fuel, oil and fungus.
- Non-marring to furniture and auto finishes.

* In addition to color choice, select fittings for both ends of the coil.



Rigid Fitting with Strain Relief

Flexeel®

Specifications

Temperature Range
-40°F to +165°F

Pressure Rating 70°F
200 PSI

Vacuum Rating
To 28" Hg

Diameter Tolerances
1/4" - 5/16" ±.005"
3/8" - 1/2" ±.010"

Working Pressure
4:1 Safety Factor

UV Stabilized Yes

Resin Compliance
See Material Compliance
Notice on page 2

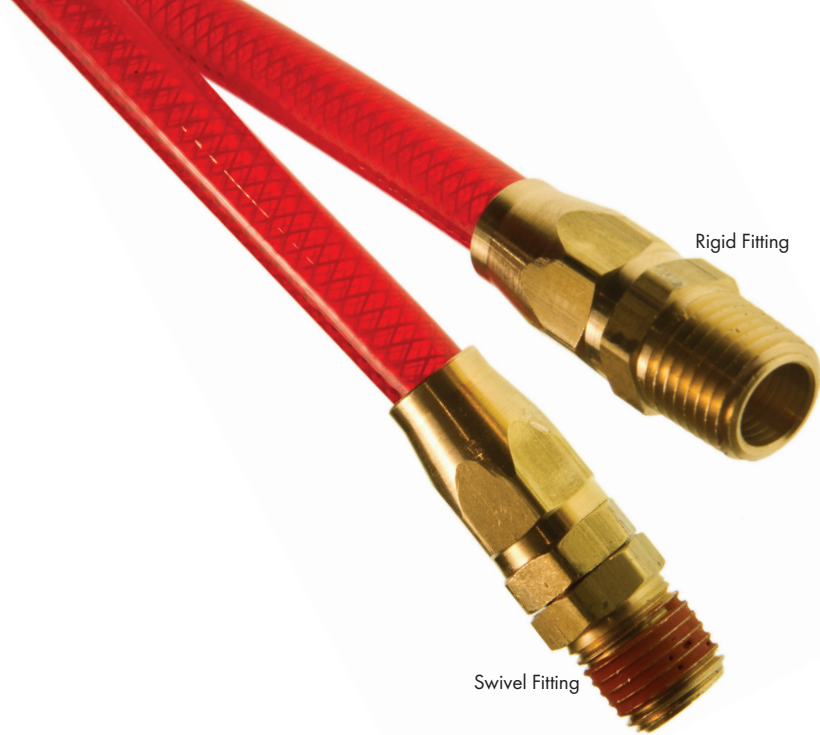
Suggested Fittings
Reusable with Strain Relief

Flexeel® Polyurethane Straight Hose

Part Number & Color Code	Packaging Unit Size	OD	ID	Standard Colors	Bend Radius	Fitting
PFE4025						None
PFE40254	25'	3/8"	1/4"	T TR TY	7/8"	Reusable Strain Relief 1/4 MPT
PFE40256						Reusable Strain Relief 3/8 MPT
PFE4050						None
PFE40504	50'	3/8"	1/4"	T TR TY	7/8"	Reusable Strain Relief 1/4 MPT
PFE40506						Reusable Strain Relief 3/8 MPT
PFE4100						None
PFE41004	100'	3/8"	1/4"	T TR TY	7/8"	Reusable Strain Relief 1/4 MPT
PFE41006						Reusable Strain Relief 3/8 MPT
PFE4500	500'	3/8"	1/4"	T TR TY	7/8"	None
PFE42000	2000'	3/8"	1/4"	T TR TY	7/8"	None
PFE5025	25'	.473"	5/16"	T TR TY	1-1/4"	None
PFE50254						Reusable Strain Relief 1/4 MPT
PFE5050	50'	.473"	5/16"	T TR TY	1-1/4"	None
PFE50504						Reusable Strain Relief 1/4 MPT
PFE5100	100'	.473"	5/16"	T TR TY	1-1/4"	None
PFE51004						Reusable Strain Relief 1/4 MPT
PFE5250	250'	.473"	5/16"	T TR TY	1-1/4"	None
PFE51500	1500'	.473"	5/16"	T TR TY	1-1/4"	None
PFE6025						None
PFE60254	25'	9/16"	3/8"	T TR TY	1-1/2"	Reusable Strain Relief 1/4 MPT
PFE60256						Reusable Strain Relief 3/8 MPT
PFE6050						None
PFE60504	50'	9/16"	3/8"	T TR TY	1-1/2"	Reusable Strain Relief 1/4 MPT
PFE60506						Reusable Strain Relief 3/8 MPT
PFE6100						None
PFE61004	100'	9/16"	3/8"	T TR TY	1-1/2"	Reusable Strain Relief 1/4 MPT
PFE61006						Reusable Strain Relief 3/8 MPT
PFE6200	200'	9/16"	3/8"	T TR TY	1-1/2"	None
PFE61000	1000'	9/16"	3/8"	T TR TY	1-1/2"	None
PFE8025	25'	.700"	.440"	T	1-5/8"	None
PFE80258						Reusable 1/2 MPT
PFE8050	50'	.700"	.440"	T	1-5/8"	None
PFE80508						Reusable 1/2 MPT
PFE8100	100'	.700"	.440"	T	1-5/8"	None
PFE81008						Reusable 1/2 MPT
PFE8200	200'	.700"	.440"	T	1-5/8"	None
PFE8500	500'	.700"	.440"	T	1-5/8"	None

Variations Available:

Coiling • Colors • Cutting • Bonding • Printing • Packaging • Sizes



Available in:

- T Transparent Blue
- TR Transparent Red
- TY Transparent Yellow

Standard Tail Lengths
8" and 16"

Flexeel® Coiled Polyurethane Hose

Reusable Fittings – with Strain Relief

Part Number, Fitting & Color Code	Fitting Options	Standard Colors	Material Length	Working Length	Retracted Length	OD	ID	Coil OD	Working Pressure	Weight
PUE14-10 ____	__ = (2) 1/4" Rigid	T TR TY	10'	8.5'	9"	3/8"	1/4"	1-3/4"	200 PSI	.41 lb
PUE14-15 ____	A = (1) 1/4" Rigid &		15'	12.5'	14.5"					.59 lb
PUE14-20 ____	(1) 1/4" Swivel		20'	17'	19.5"					.74 lb
PUE14-25 ____	B = (2) 1/4" Swivel		25'	21'	26.5"					.88 lb
	6 = (2) 3/8" Rigid									

PUE38-10 ____	4 = (2) 1/4" Rigid	T TR TY	10'	8.5'	10.5"	9/16"	3/8"	2-7/8"	200 PSI	1.00 lb
PUE38-15 ____	__ = (2) 3/8" Rigid		15'	12.5'	16.7"					1.40 lb
PUE38-20 ____	A = (1) 3/8" Rigid &		20'	17'	23"					1.85 lb
PUE38-25 ____	(1) 3/8" Swivel		25'	21'	29"					2.25 lb
	B = (2) 3/8" Swivel									

Reusable Fittings – No Strain Relief

PRE14-10 ____	__ = (2) 1/4" Rigid	T TR TY	10'	8.5'	9"	3/8"	1/4"	1-3/4"	200 PSI	.41 lb
PRE14-15 ____	A = (1) 1/4" Rigid &		15'	12.5'	14.5"					.59 lb
PRE14-20 ____	(1) 1/4" Swivel		20'	17'	19.5"					.74 lb
PRE14-25 ____	B = (2) 1/4" Swivel		25'	21'	26.5"					.88 lb

	4 = (2) 1/4" Rigid	T TR TY				9/16"	3/8"	2-7/8"	200 PSI	
PRE38-10 ____	4A = (1) 1/4" Rigid &		10'	8.5'	10.5"					1.00 lb
PRE38-15 ____	(1) 1/4" Swivel		15'	12.5'	16.7"					1.40 lb
PRE38-20 ____	4B = (2) 1/4" Swivel		20'	17'	23"					1.85 lb
PRE38-25 ____	__ = (2) 3/8" Rigid		25'	21'	29"					2.25 lb
	A = (1) 3/8" Rigid &									
	(1) 3/8" Swivel									

Variations Available:

Colors • Cutting • Bonding • Printing • Packaging • Sizes

* In addition to color choice, select fittings for both ends of the coil.

US Toll Free: 888-373-9233



Flexcoil® is the original tangle-free coiled hose. It's made from Freelin-Wade's own Fre-Thane® Polyurethane. Just like our other Fre-Thane tubing, it resists abrasion and kinking. Of course it always springs back to its original shape. Flexcoil is ideal for use with air tools, blow guns, impact wrenches and nailers. It's a great way to keep your work area organized and safe. Standard sized coils have two straight "tails" (8" and 16") to position tubing away from tools.

Flexcoil®

Specifications

- Temperature Range**
-40°F to +165°F
- Vacuum Rating**
To 28" Hg
- Diameter Tolerances**
±.005"
- Hardness**
95A
- Working Pressure**
3:1 Safety Factor
- Working Length**
80-90% of Material Length
- Resin Compliance**
See Material Compliance Notice on page 2

Variations

Flexcoil variations are easy. If you don't see the color or length that you want, just ask us. We can configure Flexcoil to perfectly match your requirements.

Available in:

- B** Blue
- G** Neon Green
- R** Red
- Y** Yellow
- T** Transparent Blue



Rigid Fitting with Strain Relief

Swivel Fitting with Strain Relief

Standard Tail Lengths
8" and 16"

Flexcoil® Coiled Polyurethane with Reusable Strain Relief Fittings

Part Number, Fitting & Color Code	Fitting Options	Standard Colors	Material Length	Working Length	Retracted Length	OD	ID	Coil OD	Working Pressure	Weight
PU316-5	—		5'	4'	2"					.23 lb
PU316-10	—		10'	8'	6"					.34 lb
PU316-15	B= (2) 1/4" Swivel	B G R Y T	15'	12.5'	10-1/4"	5/16"	3/16"	1-7/8"	160 PSI	.46 lb
PU316-20	—		20'	17'	14-1/2"					.56 lb
PU316-25	—		25'	20'	18-1/2"					.68 lb
PU14-5	—		5'	4'	2-1/2"					.23 lb
PU14-10	—= (2) 1/4" Rigid		10'	8'	6"					.41 lb
PU14-15	A= (1) 1/4" Rigid		15'	12.5'	9-1/2"					.59 lb
PU14-20	(1) 1/4" Swivel	B G R Y T	20'	17'	13"	3/8"	1/4"	2-1/2"	145 PSI	.74 lb
PU14-25	B= (2) 1/4" Swivel		25'	20'	16"					.88 lb
PU14-30	6= (2) 3/8" Rigid		30'	25.5'	19"					1.05 lb
PU14-50	—		50'	42.5'	32-1/2"					1.50 lb
PU516-10	—= (2) 3/8" Rigid		10'	8'	7-1/2"					.68 lb
PU516-15	—		15'	12.5'	11-1/2"					.89 lb
PU516-20	A= (1) 3/8" Rigid	B G R Y T	20'	17'	15"	15/32"	5/16"	2-15/16"	130 PSI	1.11 lb
PU516-25	(1) 3/8" Swivel		25'	20'	19"					1.32 lb
PU516-30	B= (2) 3/8" Swivel		30'	25.5'	23"					1.52 lb
PU38-10	4= (2) 1/4" Rigid		10'	8'	5-1/2"					1.00 lb
PU38-15	—= (2) 3/8" Rigid		15'	12.5'	8-1/2"					1.40 lb
PU38-20	—		20'	17'	11"					1.85 lb
PU38-25	A= (1) 3/8" Rigid	B G R Y T	25'	20'	14"	9/16"	3/8"	4-1/8"	135 PSI	2.25 lb
PU38-30	(1) 3/8" Swivel		30'	25.5'	17"					2.63 lb
PU38-50	B= (2) 3/8" Swivel		50'	42.5'	27-1/2"					3.23 lb

Variations Available:

Colors • Printing • Packaging

* In addition to color choice, select fittings for both ends of the coil.

See page 18 for Fre-Thane® coils without fittings.

Available in:

- B Blue
- R Red
- T Transparent Blue
- G Neon Green
- Y Yellow

Standard Tail Lengths
8" and 16"

Flexcoil® Coiled Polyurethane with Reusable Fittings

Part Number, Fitting & Color Code	Fitting Options	Standard Colors	Material Length	Working Length	Retracted Length	OD	ID	Coil OD	Working Pressure	Weight
PR532-10 ____			10'	8'	7"					.29 lb
PR532-15 ____			15'	12.5'	9-1/2"					.37 lb
PR532-20 ____	B= (2) 1/4" Swivel	B G R Y T	20'	17'	12-1/2"	1/4"	.160"	1-1/2"	150 PSI	.46 lb
PR532-25 ____			25'	20'	15-1/2"					.54 lb
PR532-30 ____			30'	25.5'	19"					.62 lb
PR316-5 ____			5'	4'	2"					.23 lb
PR316-10 ____			10'	8'	6"					.34 lb
PR316-15 ____	B= (2) 1/4" Swivel	B G R Y T	15'	12.5'	10-1/4"	5/16"	3/16"	1-7/8"	160 PSI	.46 lb
PR316-20 ____			20'	17'	14-1/2"					.56 lb
PR316-25 ____			25'	20'	18-1/2"					.68 lb
PR14-5 ____			5'	4'	2-1/2"					.26 lb
PR14-10 ____	__= (2) 1/4" Rigid		10'	8'	6"					.41 lb
PR14-15 ____	A= (1) 1/4" Rigid	B G R	15'	12.5'	9-1/2"					.59 lb
PR14-20 ____	(1) 1/4" Swivel	Y T	20'	17'	13"	3/8"	1/4"	2-1/2"	145 PSI	.74 lb
PR14-25 ____	B= (2) 1/4" Swivel		25'	20'	16"					.88 lb
PR14-30 ____			30'	25.5'	19"					1.05 lb
PR14-50 ____			50'	42.5'	32-1/2"					1.50 lb
PR516-10 ____			10'	8'	7-1/2"					.68 lb
PR516-15 ____	4B= (2) 1/4" Swivel	B G R	15'	12.5'	11-1/2"					.89 lb
PR516-20 ____	B= (2) 3/8" Swivel	Y T	20'	17'	15"	15/32"	5/16"	2-15/16"	130 PSI	1.11 lb
PR516-25 ____			25'	20'	19"					1.32 lb
PR516-30 ____			30'	25.5'	23"					1.52 lb
PR38-10 ____	4= (2) 1/4" Rigid									
PR38-15 ____	4A= (1) 1/4" Rigid		10'	8'	5-1/2"					1.00 lb
PR38-20 ____	(1) 1/4" Swivel		15'	12.5'	8-1/2"					1.40 lb
PR38-25 ____	4B= (2) 1/4" Swivel	B G R	20'	17'	11"	9/16"	3/8"	4-1/8"	135 PSI	1.85 lb
PR38-30 ____	__= (2) 3/8" Rigid	Y T	25'	20'	14"					2.25 lb
PR38-35 ____	A= (1) 3/8" Rigid		30'	25.5'	17"					2.63 lb
PR38-40 ____	(1) 3/8" Swivel		50'	42.5'	27-1/2"					3.23 lb
PR38-50 ____	B= (2) 3/8" Swivel									
PR12-10 ____			10'	8'	7"					2.14 lb
PR12-15 ____			15'	12.5'	11-3/4"					2.95 lb
PR12-20 ____	B= (2) 1/2" Swivel	B G R	20'	17'	16-1/2"	3/4"	.467"	4.5"	155 PSI	3.77 lb
PR12-25 ____		Y T	25'	20'	23"					4.60 lb
PR12-30 ____			30'	25.5'	28"					5.35 lb
PR12-50 ____			50'	42.5'	40"					7.75 lb

Variations Available:

Colors • Printing • Packaging

* In addition to color choice, select fittings for both ends of the coil.

US Toll Free: 888-373-9233

Fre-Thane® Polyurethane Coils



Fre-Thane® polyurethane coils possess outstanding memory, a soft feel and superior flexibility. These coils are extraordinarily tough and resistant to abrasion, overstretching, kinking and repeated flexing.

Variations are easy. If you don't see the color or length that you want, just ask us. We can configure Fre-Thane® Coils to perfectly match your requirements.

Standard Tail Lengths
8" and 16"

Specifications

Temperature Range
-40°F to +165°F

Vacuum Rating
To 28" Hg

Diameter Tolerances
±.005"

Working Pressure
3:1 Safety Factor

UV Stabilized
95A & 85A

Resin Compliance
See Material
Compliance Notice on
page 2

Suggested Fittings
Barb, Push-In (95A)

Fre-Thane® Single Tube Polyurethane Coils

Part Number & Color Code	OD	ID	DUR	Standard Colors	Working Pressure		Material Length	Working Length	Retracted Length	Coil ID
					75°F/25°C	150°F/65°C				
1W-013-___	1/8"	.066"	85A	01 02 04 05 06 07 08 09 10 11 12 14 25 26 27 28 29 32 45 46	115 PSI	45 PSI	10'	8'	8"	3/8"
1W-025-___	1/4"	1/8"	85A	01 02 04 05 06 07 08 09 10 11 12 25 26 27 28 29 32 46	125 PSI	50 PSI	10'	8'	8"	3/4"
1W-132-___	1/4"	.159"	90A	01 04 05 06 07 08 10 11 14 25 27	115 PSI	45 PSI	10'	8'	8"	3/4"
1W-005-___ 1Z-005-___	3/8"	.245"	90A	01 05 07 10 11 25 27	105 PSI	40 PSI	10' 25'	8' 20'	7.5" 22"	1-1/4"
1W-151-___	1/4"	.16"	95A				10'	8'	7"	
1X-151-___	1/4"	.16"	95A	01 04 05 06 07 08 09 10 11 12	150 PSI	60 PSI	15'	12.5'	10"	1"
1Y-151-___	1/4"	.16"	95A	25 26 27 28 46			20'	17'	14.5"	
1Z-151-___	1/4"	.16"	95A				25'	20'	19.5"	
1W-152-___	3/8"	.245"	95A				10'	8'	6"	
1X-152-___	3/8"	.245"	95A	01 04 05 06 07 08 10 11 25 26	130 PSI	60 PSI	15'	12.5'	9"	1-3/4"
1Y-152-___	3/8"	.245"	95A	27 28 37 46			20'	17'	13"	
1Z-152-___	3/8"	.245"	95A				25'	20'	16"	

Variations Available:

Colors • Cutting • Bonding • Printing • Packaging • Sizes

Part Number & Color Code	OD	ID	DUR	Standard Colors	Working Pressure		Material Length	Working Length	Retracted Length	Coil ID
					75°F/25°C	150°F/65°C				
1W-156-___	4 mm	2.4 mm	95A	01 02 04 05 06 07 08 09 10	165 PSI	85 PSI	3.05 m	2.6 m	133.4 mm	
1X-156-___	4 mm	2.4 mm	95A				4.57 m	3.8 m	216 mm	19.1 mm
1Y-156-___	4 mm	2.4 mm	95A	11 12 25 26 27 28 29 37			6.1 m	5.2 m	292 mm	
1Z-156-___	4 mm	2.4 mm	95A				7.62 m	6.4 m	381 mm	
1W-158-___	6 mm	4 mm	95A				3.05 m	2.6 m	139.7 mm	
1X-158-___	6 mm	4 mm	95A	01 04 05 06 07 08 09 10	135 PSI	65 PSI	4.57 m	3.8 m	241.3 mm	25.4 mm
1Y-158-___	6 mm	4 mm	95A	11 25 26 27 28 37			6.1 m	5.2 m	330 mm	
1Z-158-___	6 mm	4 mm	95A				7.62 m	6.4 m	419 mm	
1W-159-___	8 mm	5 mm	95A				3.05 m	2.6 m	152.4 mm	
1X-159-___	8 mm	5 mm	95A	01 05 06 07 08 10 11 25	160 PSI	75 PSI	4.57 m	3.8 m	254 mm	31.8 mm
1Y-159-___	8 mm	5 mm	95A	27 37 46			6.1 m	5.2 m	343 mm	
1Z-159-___	8 mm	5 mm	95A				7.62 m	6.4 m	444.5 mm	
1W-160-___	10 mm	6.5 mm	95A				3.05 m	2.6 m	139.7 mm	
1X-160-___	10 mm	6.5 mm	95A	01 05 06 07 08 10 27	135 PSI	70 PSI	4.57 m	3.8 m	228.6 mm	44.5 mm
1Y-160-___	10 mm	6.5 mm	95A				6.1 m	5.2 m	317.5 mm	
1Z-160-___	10 mm	6.5 mm	95A				7.62 m	6.4 m	406.4 mm	

Variations Available:

Colors • Cutting • Bonding • Printing • Packaging • Sizes