

**3M Heat Shrinkable Tubing**



**MFP®, EPS-300, SFTW202 GYS, SFTW203, 8420 and 8440 Series**

**MFP Series-Modified Polyvinylidene Fluoride** • Shrink Temperature: 175°C (347°F) • Color: Clear • Shrink Ratio: 2:1. Cross-linked, thin-walled tubing offers a high degree of mechanical strength and high temperature resistance. This has outstanding abrasion resistance and cut-through properties in combination with high dielectric strength. It is inherently flame retardant, semi-rigid and highly resistant to most industrial fuels, chemicals and solvents. KYNAR is a registered trademark of Elf Atochem North America, Inc. **EPS-300 Series-Adhesive-Lined Flexible Polyolefin** • Shrink Temperature: 121°C (250°F) • Color: Black • Shrink Ratio: 3:1. Rapidly shrinks to a skintight fit, forcing the melted adhesive to flow and cover the substrate. The adhesive forms a flexible bond with a wide variety of rubbers, plastics and metals. Upon cooling, the adhesive solidifies forming a permanent, non-drying, flexible and water resistant barrier. **SFTW202 GYS Series-Very Flexible Polyolefin** • Shrink Temperature: 100°C (212°F) • Color: Green and yellow striped • Shrink Ratio: 2:1. Meets performance requirements of MIL-I-23053/5 Class 1, and is UL Recognized (File No. E48398) for flame retardance. Can be easily surface painted. **SFTW203 Series-Very Flexible Polyolefin** • Shrink Temperature: 100°C (212°F) • Color: Black • Shrink Ratio: 3:1. Meets performance requirements of MIL-I-23053/5 Class 1, and is UL Recognized (File No. E48398) for flame retardance. Can be easily surface painted. **8420 Series-EPDM and 8440 Series-Silicone Rubber Tubes** • Color: Black (8420 Series) and Gray (8440 Series). Cold Shrink™ Insulators-Open-ended, tubular rubber sleeves that are factory expanded and assembled onto a removable plastic core. Provides a reliable seal without the use of heat, a torch or adhesive simply position and unwind the core allowing the tube to shrink and form a water-resistant seal.

Tubing Size Diameter Inches (mm)	Inside Diameter		Nominal Recovered Wall Thick. mm	Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length				
	Minimum Expanded mm	Maximum Recovered mm			4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)
	<b>MFP Series - Modified Polyvinylidene Fluoride</b>								
3/64 (1.19)	1.17	0.58	0.25	KY364C-ND	4.62	8.01	17.71	36.96	61.61
1/16 (1.60)	1.60	0.79	0.25	KY116C-ND	4.74	8.22	18.18	37.93	63.22
3/32 (2.38)	2.36	1.17	0.25	KY332C-ND	5.07	8.79	19.44	40.57	67.61
1/8 (3.18)	3.18	1.57	0.25	KY018C-ND	5.49	9.51	21.03	43.89	73.15
3/16 (4.76)	4.75	2.36	0.25	KY316C-ND	7.73	13.67	29.73	57.07	—
1/4 (6.35)	6.35	3.18	0.30	KY014C-ND	9.54	16.86	36.67	70.41	—
3/8 (9.52)	9.53	4.75	0.30	KY038C-ND	11.48	20.32	44.16	84.78	—
1/2 (12.70)	12.70	6.35	0.30	KY012C-ND	15.24	26.50	53.00	—	—

Tubing Size Dia. In. (mm)	Inside Diameter		Recovered Wall Thickness mm	Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length					
	Minimum Expanded mm	Maximum Recovered mm			4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)	
	<b>EPS-300 Series - Adhesive-lined, Flexible, Polyolefin</b>									
1/8 (3.18)	3.18	1.02	1.02	0.51	EPS3018K-ND	8.39	14.54	32.17	67.14	101.41
3/16 (4.78)	4.75	1.57	1.02	0.51	EPS3316K-ND	7.98	14.10	30.66	57.03	—
1/4 (6.35)	6.35	2.03	1.02	0.51	EPS3014K-ND	9.87	17.47	37.97	70.61	—
3/8 (9.52)	9.53	3.05	1.40	0.62	EPS3038K-ND	11.17	19.76	42.95	79.90	—
1/2 (12.70)	12.70	4.06	1.78	0.76	EPS3012K-ND	13.05	23.09	50.19	93.37	—

Tubing Size Dia. In. (mm)	Inside Diameter		Nominal Recovered Wall Thick. mm	Digi-Key Part No.	(NOTE: "X" in Part No. Represents Number of Feet)				
	Minimum Expanded mm	Maximum Recovered mm			Price Per Length		Reel Qty.	Price Per Full Reel	
	5'	25'	50'						
<b>SFTW202 GYS Series - Very Flexible Polyolefin</b>									
1/8 (3.18)	3.18	1.50	0.51	SFTW2018E-X-ND	5.33	21.33	30.57	500	220.74
3/16 (4.78)	4.75	2.50	0.55	SFTW2316E-X-ND	7.39	29.57	42.38	250	153.01
1/4 (6.35)	6.35	3.00	0.65	SFTW2014E-X-ND	8.16	32.66	46.81	200	135.19
3/8 (9.52)	9.53	4.50	0.76	SFTW2038E-X-ND	9.06	38.24	51.93	200	150.01
1/2 (12.70)	12.70	6.00	0.76	SFTW2012E-X-ND	10.18	40.71	58.35	200	168.54
<b>SFTW203 Series - Very Flexible Polyolefin</b>									
1/16 (1.59)	1.50	0.50	0.45	SFTW2116K-X-ND	1.91	7.66	10.99	1,000	158.64
1/8 (3.18)	3.00	1.00	0.55	SFTW2018K-X-ND	2.19	8.74	12.53	500	90.51
1/4 (6.35)	6.00	2.00	0.65	SFTW2014K-X-ND	3.32	13.27	19.02	200	54.93
3/8 (9.52)	9.00	3.00	0.75	SFTW2038K-X-ND	3.71	14.82	21.25	200	61.37
1/2 (12.70)	12.00	4.00	0.75	SFTW2012K-X-ND	4.18	16.73	23.98	200	69.25

‡ Indicates size BEFORE shrinking occurs.

Diameter Range Inches (mm)	Relaxed Tube Length Inches (mm)	Digi-Key Part No.	Pricing	
			1	10
<b>8420 - EPDM Cold Shrink Tubes</b>				
0.31 - 0.56 (7.87 - 14.22)	6.00 (152.40)	8423-6-ND	11.76	107.33
0.10 - 0.82 (2.54 - 20.83)	8.00 (203.20)	8424-6-ND	15.07	137.60
0.40 - 0.82 (10.16 - 20.83)	8.00 (203.20)	8425-8-ND	13.21	120.64
0.55 - 1.18 (13.97 - 29.97)	9.00 (228.60)	8426-9-ND	15.74	143.74
0.55 - 1.18 (13.97 - 29.97)	11.00 (279.40)	8426-11-ND	18.85	172.11
0.67 - 1.38 (17.02 - 35.05)	6.00 (152.40)	8427-6-ND	11.90	108.64
0.67 - 1.38 (17.02 - 35.05)	12.00 (304.80)	8427-12-ND	23.50	214.51
0.67 - 1.38 (17.02 - 35.05)	16.00 (406.40)	8427-16-ND	31.38	286.45
0.95 - 1.94 (24.13 - 49.28)	6.00 (152.40)	8428-6-ND	16.80	153.39
0.95 - 1.94 (24.13 - 49.28)	12.00 (304.80)	8428-12-ND	33.47	305.61
0.95 - 1.94 (24.13 - 49.28)	18.00 (457.20)	8428-18-ND	50.35	459.73
1.27 - 2.67 (32.26 - 67.82)	6.00 (152.40)	8429-6-ND	18.35	167.58
1.27 - 2.67 (32.26 - 67.82)	9.00 (228.60)	8429-9-ND	27.48	250.92
1.27 - 2.67 (32.26 - 67.82)	12.00 (304.80)	8429-12-ND	37.64	343.63
1.27 - 2.67 (32.26 - 67.82)	18.00 (457.20)	8429-18-ND	55.05	502.58
1.68 - 3.69 (42.67 - 93.73)	18.00 (457.20)	8430-18-ND	60.01	547.91
<b>8440 - Silicone Cold Shrink Tubes</b>				
0.27 - 0.56 (6.86 - 14.22)	2.00 (50.80)	8443-2-ND	7.18	65.51
0.27 - 0.56 (6.86 - 14.22)	6.50 (165.10)	8443-6.5-ND	9.96	90.95
0.35 - 0.72 (8.89 - 18.29)	2.50 (63.50)	8445-2.5-ND	7.46	68.14
0.35 - 0.72 (8.89 - 18.29)	7.50 (190.50)	8445-7.5-ND	10.91	99.58
0.48 - 0.95 (12.19 - 24.13)	3.20 (81.28)	8447-3.2-ND	9.15	83.49
0.48 - 0.95 (12.19 - 24.13)	8.00 (203.20)	8447-8-ND	13.13	119.90

**EPS-200 and VFP-876 Series**

**EPS-200 Series** • Shrink Temperature: 121°C • Color: Black • Shrink Ratio: 2:1. Rapidly shrinks to a skintight fit, forcing the melted adhesive lining to flow and cover the substrate. The adhesive forms a flexible bond with a wide variety of rubbers, plastics and metals. Upon cooling, the adhesive solidifies forming a permanent, non-drying, flexible and water resistant barrier. Rated for operation at -55°C (-67°F - 230°F). **VFP-876 Series-Very Flexible Polyolefin** • Shrink Temperature: 100°C • Color: Black • Shrink Ratio: 2:1. Most flexible of the heat shrinkable, polyolefin tubings. Ideal for jacketing and insulation of flexible wire bundles and sensitive components.

Tubing Size Diameter Inches (mm)	Inside Diameter		Nominal Recovered Wall Thick. mm	Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length				
	Expanded mm	Recovered mm			4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)
	<b>EPS-200 Series - Adhesive-lined, Flexible, Polyolefin</b>								
1/8 (3.18)	3.18	1.60	0.69	EPS2018-ND	4.71	8.15	18.03	37.64	60.77
3/16 (4.76)	4.75	2.36	0.69	EPS2316-ND	4.44	7.85	17.07	31.74	—

Tubing Size Diameter Inches (mm)	Inside Diameter		Nominal Recovered Wall Thick. mm	Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length			
	Minimum Expanded mm	Maximum Recovered mm			4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)
1/4 (6.35)	6.35	3.18	0.76	EPS2014-ND	5.55	9.83	21.36	39.72
3/8 (9.53)	9.52	4.75	0.79	EPS2038-ND	6.25	11.07	24.06	44.76
1/2 (12.70)	12.70	6.35	0.81	EPS2012-ND	7.18	12.72	27.64	51.41
3/4 (19.05)	19.05	9.52	0.94	EPS2034-ND	8.70	15.12	29.29	—
1 (25.40)	25.40	12.70	1.17	EPS2100-ND	12.78	22.23	43.08	—
1-1/2 (38.10)	38.10	19.05	1.24	EPS2112-ND	22.36	38.89	75.35	—
2 (50.80)	50.80	25.40	1.52	EPS2200-ND	31.12	48.23	—	—

Tubing Size Diameter Inches (mm)	Inside Diameter		Nominal Recovered Wall Thick. mm	Digi-Key Part No.	(NOTE: "X" in Part No. Represents Number of Feet)				
	Minimum Expanded mm	Maximum Recovered mm			Price Per Length		Reel Qty.	Price Per Full Reel	
	5'	25'	50'	100'	200'				
<b>VFP-876 Series - Very Flexible Polyolefin, Self-extinguishing</b>									
3/64 (1.19)	1.17	0.58	0.41	VFP364-X-ND	1.80	8.03	14.39	25.91	—
1/16 (1.59)	1.60	0.79	0.43	VFP116-X-ND	1.83	8.19	14.68	26.42	—
3/32 (2.38)	2.36	1.17	0.51	VFP332-X-ND	1.94	8.66	13.97	22.25	—
1/8 (3.18)	3.18	1.57	0.51	VFP018-X-ND	2.09	9.35	15.06	23.98	—
3/16 (4.76)	4.75	2.36	0.51	VFP316-X-ND	2.55	10.19	14.61	25.82	—
1/4 (6.35)	6.35	3.18	0.64	VFP014-X-ND	3.18	12.72	18.23	32.22	52.66
3/8 (9.53)	9.52	4.75	0.64	VFP038-X-ND	3.55	14.21	20.36	35.99	58.80
1/2 (12.70)	12.70	6.35	0.64	VFP012-X-ND	4.00	16.02	22.96	40.58	66.31
3/4 (19.05)	19.05	9.52	0.76	VFP034-X-ND	5.34	21.36	30.61	54.10	88.42
1 (25.40)	25.40	12.70	0.89	VFP100-X-ND	7.98	31.94	45.79	66.13	—
1-1/2 (38.10)	38.10	19.05	1.02	VFP112-X-ND	14.89	59.54	85.33	123.24	—
2 (50.80)	50.80	25.40	1.14	VFP200-X-ND	20.56	82.27	117.92	170.30	—

‡ Indicates size BEFORE shrinking occurs.

**Colored Heat Shrinkable Tubing**



**FP-301 Series**

**Available in 7 Colors:** (K = Black, C = Clear, B = Blue, G = Green, R = Red, W = White, Y = Yellow) **Shrink Temperature:** 121°C • **Shrink Ratio:** 2:1. Tubing is split resistant, mechanically tough, easily marked and resist cold flow, for UL, CSA and MIL-I-23053/5 applications at 600V @ 125°C.

Tubing Size Diameter Inches (mm)	Inside Diameter		Nominal Recovered Wall Thick. mm	Digi-Key Part No.	(NOTE: "X" in Part No. Represents Number of Feet)				
	Minimum Expanded mm	Maximum Recovered mm			Price Per Length		Reel Qty.	Price Per Full Reel	
	5'	25'	50'	100'	250'				
<b>FP-301 Series - Flexible Polyolefin, Self-extinguishing, Flame Retardant, Color</b>									
3/64 (1.19)	1.17	0.58	0.41	FP364-X-ND†	1.54	6.89	12.34	22.21	—
1/16 (1.59)	1.60	0.79	0.43	FP116-X-ND	1.54	6.88	12.32	22.16	—
3/32 (2.38)	2.36	1.17	0.51	FP332-X-ND	1.63	7.29	11.75	18.71	—
1/8 (3.18)	3.18	1.57	0.51	FP018-X-ND	1.72	7.70	12.04	19.76	—
3/16 (4.76)	4.75	2.36	0.51	FP316-X-ND	2.01	8.40	11.52	20.35	—
1/4 (6.35)	6.35	3.18	0.64	FP014-X-ND	2.51	10.04	14.39	25.43	45.11
3/8 (9.53)	9.52	4.75	0.64	FP038-X-ND	2.80	11.20	16.06	28.39	50.35
1/2 (12.70)	12.70	6.35	0.64	FP012-X-ND	3.37	13.47	19.30	34.11	56.78
3/4 (19.05)	19.05	9.52	0.76	FP034-X-ND	4.48	17.95	25.71	45.45	75.69
1 (25.40)	25.40	12.70	0.89	FP100-X-ND	6.71	26.83	38.44	56.55	—
1-1/2 (38.10)	38.10	19.05	1.02	FP112-X-ND†	11.01	44.05	63.14	105.41	—
2 (50.80)	50.80	25.40	1.14	FP200-X-ND	15.22	60.88	87.26	145.67	—

‡ Indicates size BEFORE shrinking occurs. † Not available in Green. § Not available in Blue.

Note: For complete number, substitute [ ] with appropriate color (K = Black, C = Clear, B = Blue, G = Green, R = Red, W = White, Y = Yellow) and substitute "X" with length choice.

**FPC-KIT-ND Digi-Key® FP-301 Series Kit** One 5 foot tubing of each color in the following series: FP364, FP116, FP332, FP018, FP316, FP014, FP038 and FP012 (55 pieces total of 8 sizes)..... **68.03**