

3M Heat Shrinkable Tubing



MFP®, EPS-300, SFTW202 GYS, SFTW203, 8420 & 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.)
MFP Series - Modified Polyvinylidene Fluoride									
3/64 (1.19)	1.17	0.58	0.25	KY364C-ND	4.19	7.26	16.06	33.51	55.85
1/16 (1.60)	1.60	0.79	0.25	KY116C-ND	4.30	7.45	16.48	34.39	57.31
3/32 (2.38)	2.36	1.17	0.25	KY332C-ND	4.60	7.97	17.62	36.78	61.30
1/8 (3.18)	3.18	1.57	0.25	KY018C-ND	4.97	8.62	19.06	39.79	66.31
3/16 (4.78)	4.75	2.36	0.25	KY316C-ND	7.01	12.39	26.95	51.73	—
1/4 (6.35)	6.35	3.18	0.30	KY014C-ND	8.65	15.29	33.24	63.83	—
3/8 (9.52)	9.53	4.75	0.30	KY038C-ND	10.41	18.42	40.04	76.88	—
1/2 (12.70)	12.70	6.35	0.30	KY012C-ND	13.82	24.02	48.05	—	—

Tubing Size Dia.± Inch (mm)	Inside Diameter		Recovered Wall Thickness mm	Melttable 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.)
EPS-300 Series - Adhesive-lined, Flexible, Polyolefin										
1/8 (3.18)	3.18	1.02	1.02	0.51	EPS3018K-ND	7.61	13.18	29.16	60.87	91.93
3/16 (4.78)	4.75	1.57	1.02	0.51	EPS3316K-ND	7.23	12.78	27.80	51.71	—
1/4 (6.35)	6.35	2.03	1.02	0.51	EPS3014K-ND	8.95	15.83	34.42	64.02	—
3/8 (9.52)	9.53	3.05	1.40	0.62	EPS3038K-ND	10.13	17.92	38.94	72.43	—
1/2 (12.70)	12.70	4.06	1.78	0.76	EPS3012K-ND	11.83	20.93	45.51	84.64	—

Tubing Size Dia.± Inch (mm)	Inside Diameter		Nominal Recovered Wall Thick. mm	(NOTE: "X" in Part No. Represents Number of Feet)					
	Minimum Expanded mm	Maximum Recovered mm		Digi-Key Part No.	5'	25'	50'	Reel Qty.	Price Per Full Reel
SFTW202 GYS Series - Very Flexible Polyolefin									
1/8 (3.18)	3.18	1.50	0.51	SFTW2018E-X-ND	4.84	19.33	27.71	500	200.12
1/4 (6.35)	6.35	3.00	0.65	SFTW2014E-X-ND	7.40	29.61	42.43	200	122.56
3/8 (9.52)	9.53	4.50	0.76	SFTW2038E-X-ND	8.21	32.85	47.08	200	135.99
1/2 (12.70)	12.70	6.00	0.76	SFTW2012E-X-ND	9.23	36.91	52.90	200	152.79
SFTW203 Series - Very Flexible Polyolefin									
1/16 (1.59)	1.50	0.50	0.45	SFTW2116K-X-ND	1.74	6.95	9.96	1,000	143.82
1/8 (3.18)	3.00	1.00	0.55	SFTW2018K-X-ND	1.98	7.93	11.36	500	82.05
1/4 (6.35)	6.00	2.00	0.65	SFTW2014K-X-ND	3.01	12.03	17.24	200	49.80
3/8 (9.52)	9.00	3.00	0.75	SFTW2038K-X-ND	3.36	13.44	19.26	200	55.63
1/2 (12.70)	12.00	4.00	0.75	SFTW2012K-X-ND	3.79	15.17	21.74	200	62.78

‡ Indicates size BEFORE shrinking occurs.

Diameter Range Inches (mm)	Relaxed Tube Length Inches (mm)	Digi-Key Part No.	Pricing
8420 - EPDM Cold Shrink Tubes			
0.31 - 0.56 (7.87 - 14.22)	6.00 (152.40)	8423-6-ND	10.66 97.31
0.10 - 0.82 (2.54 - 20.83)	8.00 (203.20)	8424-8-ND	13.66 124.75
0.40 - 0.82 (10.16 - 20.83)	8.00 (203.20)	8425-8-ND	11.98 109.37
0.55 - 1.18 (13.97 - 29.97)	9.00 (228.60)	8426-9-ND	14.27 130.32
0.55 - 1.18 (13.97 - 29.97)	11.00 (279.40)	8426-11-ND	17.09 156.03
0.67 - 1.38 (17.02 - 35.05)	6.00 (152.40)	8427-6-ND	10.79 98.50
0.67 - 1.38 (17.02 - 35.05)	12.00 (304.80)	8427-12-ND	20.68 188.77
0.67 - 1.38 (17.02 - 35.05)	16.00 (406.40)	8427-16-ND	28.44 259.70
0.95 - 1.94 (24.13 - 49.28)	6.00 (152.40)	8428-6-ND	15.23 139.07
0.95 - 1.94 (24.13 - 49.28)	12.00 (304.80)	8428-12-ND	30.35 277.06
0.95 - 1.94 (24.13 - 49.28)	18.00 (457.20)	8428-18-ND	45.65 416.79
1.27 - 2.67 (32.26 - 67.82)	6.00 (152.40)	8429-6-ND	16.64 151.92
1.27 - 2.67 (32.26 - 67.82)	9.00 (228.60)	8429-9-ND	24.19 220.86
1.27 - 2.67 (32.26 - 67.82)	12.00 (304.80)	8429-12-ND	33.13 302.52
1.27 - 2.67 (32.26 - 67.82)	18.00 (457.20)	8429-18-ND	49.91 455.64
1.68 - 3.69 (42.67 - 93.73)	9.00 (228.60)	8430-9-ND	34.43 314.31
1.68 - 3.69 (42.67 - 93.73)	18.00 (457.20)	8430-18-ND	52.82 482.28
8440 - Silicone Cold Shrink Tubes			
0.27 - 0.56 (6.86 - 14.22)	2.00 (50.80)	8443-2-ND	6.32 57.67
0.27 - 0.56 (6.86 - 14.22)	6.50 (165.10)	8443-6.5-ND	9.03 82.46
0.35 - 0.72 (8.89 - 18.29)	2.50 (63.50)	8445-2.5-ND	6.56 59.92
0.35 - 0.72 (8.89 - 18.29)	7.50 (190.50)	8445-7.5-ND	9.60 87.63
0.48 - 0.95 (12.19 - 24.13)	3.20 (81.28)	8447-3.2-ND	8.04 73.44
0.48 - 0.95 (12.19 - 24.13)	8.00 (203.20)	8447-8-ND	11.91 108.70

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 - 110°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± Inch (mm)	Inside Diameter		Nominal Recovered Wall Thick. mm	Digi-Key Part No.	Sold in 4' Lengths Only Price Per Length				
	Expanded Minimum mm	Recovered Maximum mm			4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)
EPS-200 Series - Adhesive-lined, Flexible, Polyolefin									
1/8 (3.18)	3.18	1.60	0.69	EPS2018-ND	4.27	7.39	16.35	34.12	55.10
3/16 (4.76)	4.75	2.36	0.69	EPS2316-ND	4.02	7.11	15.47	28.77	—

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	5.03	8.91	19.36	36.01
3/8 (9.53)	9.52	4.75	0.79	EPS2038-ND	5.67	10.03	21.82	40.58
1/2 (12.70)	12.70	6.35	0.81	EPS2012-ND	6.51	11.53	25.06	46.61
3/4 (19.05)	19.05	9.52	0.94	EPS2034-ND	7.88	13.71	26.56	—
1 (25.40)	25.40	12.70	1.17	EPS2100-ND	11.59	20.15	39.05	—
1-1/2 (38.10)	38.10	19.05	1.24	EPS2112-ND	20.27	35.25	68.31	—
2 (50.80)	50.80	25.40	1.52	EPS2200-ND	28.21	43.73	—	—

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) Price Per Length				
	Minimum Expanded mm	Maximum Recovered mm			5'	25'	50'	100'	200'
VFP-876 Series - Very Flexible Polyolefin, Self-extinguishing									
3/64 (1.19)	1.17	0.58	0.41	VFP364-X-ND	1.63	7.28	13.05	23.49	—
1/16 (1.59)	1.60	0.79	0.43	VFP116-X-ND	1.66	7.43	13.31	23.95	—
3/32 (2.38)	2.36	1.17	0.51	VFP332-X-ND	1.76	7.86	12.66	20.17	—
1/8 (3.18)	3.18	1.57	0.51	VFP018-X-ND	1.89	8.47	13.66	21.74	—
3/16 (4.76)	4.75	2.36	0.51	VFP316-X-ND	2.31	9.24	13.24	23.41	—
1/4 (6.35)	6.35	3.18	0.64	VFP014-X-ND	2.88	11.54	16.53	29.21	47.74
3/8 (9.53)	9.52	4.75	0.64	VFP038-X-ND	3.22	12.88	18.45	32.63	53.31
1/2 (12.70)	12.70	6.35	0.64	VFP012-X-ND	3.63	14.52	20.81	36.79	60.12
3/4 (19.05)	19.05	9.52	0.76	VFP034-X-ND	4.84	19.36	27.75	49.05	80.16
1 (25.40)	25.40	12.70	0.89	VFP100-X-ND	7.24	28.96	41.51	57.10	—
1-1/2 (38.10)	38.10	19.05	1.02	VFP112-X-ND	13.50	53.98	77.36	106.41	—
2 (50.80)	50.80	25.40	1.14	VFP200-X-ND	18.64	74.59	106.90	147.04	—

‡ 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) Price Per Length				
	Minimum Expanded mm	Maximum Recovered mm			5'	25'	50'	100'	200'
FP-301 Series - Flexible Polyolefin, Self-extinguishing, Flame Retardant, Color									
3/64 (1.19)	1.17	0.58	0.41	FP364□-X-ND†	1.38	6.18	11.08	19.94	— 39.69
1/16 (1.59)	1.60	0.79	0.43	FP116□-X-ND	1.38	6.18	11.06	19.90	— 39.61
3/32 (2.38)	2.36	1.17	0.51	FP332□-X-ND	1.47	6.54	10.54	16.79	— 37.10
1/8 (3.18)	3.18	1.57	0.51	FP018□-X-ND	1.55	6.91	11.13	17.74	— 39.17
3/16 (4.76)	4.75	2.36	0.51	FP316□-X-ND	1.80	7.22	10.34	18.27	— 40.48
1/4 (6.35)	6.35	3.18	0.64	FP014□-X-ND	2.25	9.02	12.92	22.83	— 40.49
3/8 (9.53)	9.52	4.75	0.64	FP038□-X-ND	2.52	10.06	14.42	25.48	— 45.19
1/2 (12.70)	12.70	6.35	0.64	FP012□-X-ND	3.03	12.09	17.32	30.62	— 50.95
3/4 (19.05)	19.05	9.52	0.76	FP034□-X-ND	4.02	16.11	23.08	40.79	— 67.95
1 (25.40)	25.40	12.70	0.89	FP100□-X-ND	6.02	24.08	34.51	48.34	—
1-1/2 (38.10)	38.10	19.05	1.02	FP112□-X-ND†	9.88	39.54	56.67	90.11	—
2 (50.80)	50.80	25.40	1.14	FP200□-X-ND†	13.66	54.65	78.33	124.54	—

‡ Indicates size BEFORE shrinking occurs. † Not available in green.

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.

FP-CIT-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)..... **52.24**

Heat Shrink Precut Lengths and Kits



FP-301 Series-Flexible Polyolefin • Shrink Temperature: 121°C • Color: Black • 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.