



RW-175, RNF-100, and Versafit Series



RW-175 Series – Thin-wall, Semirigid, Fluoropolymer:

- Shrink Temperature: 155°C • Full Recovery Temperature: 175°C • Operating Temperature: -55°C – 135°C • Shrink Ratio: 2:1 • Color: Clear • UL Recognized File No. E35586 VW-1 • CSA Certified LR31929 VW-1 • AMS-DTL-23053/8
- Suitable for applications requiring high-temperature performance, outstanding abrasion and cut-through resistance, or superior chemical and solvent properties. The translucent polyvinylidene fluoride material permits visual inspection of covered components

RNF-100 Series – Flexible, Flame-retardant, High Performance Polyolefin:

- Shrink Temperature: 95°C • Full Recovery Temperature: 121°C • Operating Temperature: -55°C – 135°C • Shrink Ratio: 2:1 • Color: Black • UL Recognized File No. E35586 • CSA Certified LR31929 • AMS-DTL-23053/5 • High-quality, heat-shrinkable product for a wide variety of uses. It has become the industry standard for insulation, strain relief, wire bundling, and color-coding in both commercial and military applications. Excellent physical, chemical and electrical properties that meet industrial and military requirements for a highly reliable, general-purpose tubing.

Versafit Series – Highly Flame-retardant, Low Recovery Temperature:

- Shrink Temperature: 70°C • Full Recovery Temperature: 90°C • Operating Temperature: -55°C – 135°C • Shrink Ratio: 2:1 • Color: Black • UL Recognized File No. E35586 VW-1 • CSA Certified LR31929 VW-1 • AMS-DTL-23053/5 • Cost-effective for commercial and military applications. It is made from a specially formulated, cross-linked polyolefin to provide high flame-retardance, excellent flexibility, and low shrink temperature (to reduce installation time).

Tubing Size Diameter† Inches (mm)	Min. Expand. D mm	Max. Recov. d mm	Nom. Recov. Wall Thick.† W mm	Digi-Key Part No.	Sold in 4' Lengths Only				
					4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)
RW-175 Series - Thin wall, Semirigid, Fluoropolymer									
3/64 (1.19)	1.2	0.6	0.25	RW364C-ND	4.59	7.95	17.58	36.69	61.15
1/16 (1.60)	1.6	0.8	0.25	RW116C-ND	4.82	8.35	18.46	38.53	64.22
3/32 (2.38)	2.4	1.2	0.25	RW332C-ND	5.35	9.27	20.51	42.80	71.33
1/8 (3.18)	3.2	1.6	0.25	RW018C-ND	5.83	10.11	22.35	46.65	77.74
3/16 (4.78)	4.7	2.4	0.25	RW316C-ND	9.09	15.76	34.85	72.74	121.23
1/4 (6.35)	6.4	3.2	0.33	RW014C-ND	11.45	19.85	43.89	91.60	152.67
3/8 (9.52)	9.5	4.7	0.33	RW038C-ND	13.76	23.85	52.75	110.08	183.47
1/2 (12.70)	12.7	6.4	0.33	RW012C-ND	24.59	42.63	94.28	196.75	327.92
3/4 (19.05)	19.1	9.5	0.43	RW034C-ND	45.25	78.43	173.45	361.99	603.31
RNF-100 Series - Flexible, Flame-retardant, High Performance Polyolefin									
3/64 (1.19)	1.2	0.6	0.40	RNF364C-ND	1.77	3.07	6.79	14.18	23.63
1/16 (1.60)	1.6	0.8	0.43	RNF116K-ND	1.82	3.15	6.97	14.54	24.24
3/32 (2.38)	2.4	1.2	0.51	RNF332K-ND	1.92	3.33	7.36	15.37	25.62
1/8 (3.18)	3.2	1.6	0.51	RNF018K-ND	2.06	3.57	7.89	16.47	27.46
3/16 (4.78)	4.7	2.4	0.51	RNF316K-ND	2.50	4.34	9.60	20.03	33.38
1/4 (6.35)	6.4	3.2	0.64	RNF014K-ND	3.14	5.44	12.02	25.09	41.82
3/8 (9.52)	9.5	4.8	0.64	RNF038K-ND	3.51	6.08	13.45	28.07	46.78
1/2 (12.70)	12.7	6.4	0.64	RNF012K-ND	4.36	7.56	16.73	34.92	58.19
3/4 (19.05)	19.1	9.5	0.76	RNF034K-ND	5.85	10.13	22.41	46.77	77.95
1 (25.4)	25.4	12.7	0.89	RNF001K-ND	8.90	15.43	34.11	71.19	118.66
1 1/2 (38.1)	38.1	19.1	1.02	RNF112K-ND	12.27	21.26	47.02	98.13	163.55
2 (50.8)	50.8	25.4	1.14	RNF002K-ND	15.19	26.32	58.22	121.50	202.50
3 (76.2)	76.2	38.1	1.27	RNF003K-ND	38.28	66.36	146.75	306.27	510.45
4 (101.6)	101.6	50.8	1.40	RNF004K-ND	63.81	110.60	244.59	510.44	850.74

Tubing Size Diameter† Inches (mm)	Min. Expand. D mm	Max. Recov. d mm	Nom. Recov. Wall Thick.† W mm	Digi-Key Part No.	Spool Size Feet	Price Per Spool	Raychem Part No.	Sold in 4' Lengths Only				
								4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)
RNF-100 Series - Flexible, Flame-retardant, High Performance Polyolefin												
3/64 (1.19)	1.2	0.6	0.40	RNF364K-100-ND	100	20.26	RNF-100-MINI-SPL-3/64-BK	68.52	91.36	205.56	411.12	742.30
1/16 (1.60)	1.6	0.8	0.43	RNF116K-75-ND	75	20.26	RNF-100-MINI-SPL-1/16-BK	93.72	124.96	281.16	562.32	1015.30
3/32 (2.38)	2.4	1.2	0.51	RNF332K-65-ND	65	20.26	RNF-100-MINI-SPL-3/32-BK					
1/8 (3.18)	3.2	1.6	0.51	RNF018K-60-ND	60	20.26	RNF-100-MINI-SPL-1/8-BK					
3/16 (4.78)	4.7	2.4	0.51	RNF316K-50-ND	50	20.26	RNF-100-MINI-SPL-3/16-BK					
1/4 (6.35)	6.4	3.2	0.64	RNF014K-40-ND	40	20.26	RNF-100-MINI-SPL-1/4-BK					
3/8 (9.52)	9.5	4.8	0.64	RNF038K-35-ND	35	20.26	RNF-100-MINI-SPL-3/8-BK					
1/2 (12.70)	12.7	6.4	0.64	RNF012K-30-ND	30	20.26	RNF-100-MINI-SPL-1/2-BK					
3/4 (19.05)	19.1	9.5	0.76	RNF034K-25-ND	25	20.26	RNF-100-MINI-SPL-3/4-BK					
1 (25.4)	25.4	12.7	0.89	RNF001K-15-ND	15	20.26	RNF-100-MINI-SPL-1-BK					
Versafit - Highly Flame-retardant, Low Recovery Temperature												
3/64 (1.19)	1.63	0.6	0.40	VER364K-100-ND	100	20.43	VERSAFIT-MINI-SPL-3/64-BK					
1/16 (1.60)	1.85	0.8	0.43	VER116K-75-ND	75	20.43	VERSAFIT-MINI-SPL-1/16-BK					
3/32 (2.38)	2.79	1.2	0.51	VER332K-65-ND	65	20.43	VERSAFIT-MINI-SPL-3/32-BK					
1/8 (3.18)	3.43	1.6	0.51	VER018K-60-ND	60	20.43	VERSAFIT-MINI-SPL-1/8-BK					
3/16 (4.78)	5.21	2.4	0.51	VER316K-50-ND	50	20.43	VERSAFIT-MINI-SPL-3/16-BK					
1/4 (6.35)	7.11	3.2	0.64	VER014K-40-ND	40	20.43	VERSAFIT-MINI-SPL-1/4-BK					
3/8 (9.52)	10.16	4.8	0.64	VER038K-35-ND	35	20.43	VERSAFIT-MINI-SPL-3/8-BK					
1/2 (12.70)	13.72	6.4	0.64	VER012K-30-ND	30	20.43	VERSAFIT-MINI-SPL-1/2-BK					
3/4 (19.05)	20.45	9.5	0.76	VER034K-25-ND	25	20.43	VERSAFIT-MINI-SPL-3/4-BK					
1 (25.4)	25.53	12.7	0.89	VER001K-15-ND	15	20.43	VERSAFIT-MINI-SPL-1-BK					

† Wall thickness will be less if tubing recovery is restricted during shrinkage ‡ Size before shrinking

Versafit Heat Shrink Tubing Kits

- VERSAFIT-KIT-ND** 3/16" 30 pcs., 1/4" 28 pcs., 3/8" 24 pcs., 1/2" 20 pcs., 3/4" 14 pcs., 1" 10 pcs., Black..... **\$67.66**
- Refill parts:**
- VER316K-ND** 3/16" 30 pieces, Black **\$8.46** **VER012K-ND** 1/2" 20 pieces, Black..... **\$8.46**
- VER014K-ND** 1/4" 28 pieces, Black..... **\$8.46** **VER034K-ND** 3/4" 14 pieces, Black..... **\$8.46**
- VER038K-ND** 3/8" 24 pieces, Black..... **\$8.46** **VER001K-ND** 1" 10 pieces, Black..... **\$8.46**

- VERSAFIT-KIT-ND** Color Kit includes Red, Black, Yellow, Clear, White, Green and Blue tubing.
- 3/32" 35 pcs. (5 of each color), 1/8" 28 pcs. (4 of each color), 3/16" 21 pcs. (3 of each color), 1/4" 21 pcs. (3 of each color), 3/8" 14 pcs. (2 of each color), 1/2" 14 pcs. (2 of each color) **\$72.14**

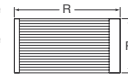
- Refill parts:**
- VER332M-ND** **NEW!** 3/32" 35 pieces, Black **\$8.46** **VER014M-ND** **NEW!** 1/4" 21 pieces, Black **\$8.46**
- VER018M-ND** **NEW!** 1/8" 28 pieces, Black **\$8.46** **VER038M-ND** **NEW!** 3/8" 14 pieces, Black **\$8.46**
- VER316M-ND** **NEW!** 3/16" 21 pieces, Black **\$8.46** **VER012M-ND** **NEW!** 1/2" 14 pieces, Black **\$8.46**

- VERSAA4-KIT-ND** 3/16", 1/4", 3/8", 1/2", 3/4" and 1" 18 pieces (3 pieces of each size), Black **\$8.46**
- VERSAA6-KIT-ND** 3/64", 1/16", 3/32" and 1/8" 24 pieces (6 pieces of each size), Black **\$8.46**
- Note:** All kits have 6" pieces

NEW! Quick Shrink Wrap



Heat-shrinkable wraparound repair sleeves combine the ease of insulation of self-adhesive tapes with the superior sealing and insulating capabilities of heat-shrinkable tubing. The black, adhesive-backed polyolefin wraparound sleeves permit fast, permanent repairs of minor damage to cable insulation without requiring the connector to be removed from the cable prior to repair. The sleeves can also be used to organize and group wire bundles. • Wall Thickness: 0.65mm



Dimensions - mm		Digi-Key Part No.	Price Each		
P	R		1	5	10
60	100	QSW60100-ND	7.88	6.90	6.31
60	200	QSW60200-ND	13.28	11.62	10.63
60	300	QSW60300-ND	18.38	16.09	14.71
100	100	QSW100100-ND	9.60	8.40	7.68
100	200	QSW100200-ND	17.42	15.25	13.94
100	300	QSW100300-ND	24.66	21.58	19.73

DABURN Shrinkable Tubing – Black Polyolefin



The most widely used, general purpose heat shrinkable tubing. An irradiated flexible, flame-retardant polyolefin tubing with a wide scope of applications. These include: harnessing, wire bundling, strain reliefs, or any application where components or cables must be insulated or packaged. **Specifications:** • UL224 • CSA Approved • AMS-DTL-23053/5 • MSFC-276B • AMS 3636B • Operating Temperature: -55°C – 135°C • Shrinkage Ratio: To 50% of supplied diameter at 90°C • Electrical Properties: Dielectric Strength: 1300 V/mil (512 kV/cm) Volume Resistivity: 10¹³ Ω-cm • Physical Properties: Tensile Strength: 2500 PSI, nominal (176 kg/cm²) Ultimate Elongation: 400% nominal

Shrink Tubing Digi-Key® Assortment Kit

Contains the following:

W181-5-ND	W184-5-ND
W182-5-ND	W185-5-ND
W183-5-ND	W186-5-ND
W183-X-ND	W188-5-ND
STA-KIT-ND\$10.95

Minimum Supp. I.D. Inches (mm)	Maximum Recov. I.D. Inches (mm)	Nom. Recov. Wall Thick. Inches (mm)	Digi-Key Part No.	(NOTE: "X" in Digi-Key Part No. Represents No. of Feet)			
				5'	25'	50'	100'
06 (1.60)	.03 (78)	.017 (43)	W181-X-ND	2.27	10.12	18.12	32.62
.09 (2.36)	.05 (1.17)	.020 (50)	W182-X-ND	2.39	10.67	19.11	—
13 (3.18)	.06 (1.58)	.020 (50)	W183-X-ND	2.55	11.39	20.40	36.71
.19 (4.75)	.09 (2.36)	.020 (50)	W184-X-ND	3.03	13.55	24.26	43.68
25 (6.35)	.13 (3.18)	.025 (63)	W185-X-ND	3.98	17.78	31.85	57.35
.38 (9.52)	.19 (4.75)	.025 (63)	W186-X-ND	4.19	18.72	33.53	60.33
50 (12.7)	25 (6.35)	.025 (63)	W187-X-ND	4.78	21.34	38.21	68.78
.75 (19.1)	.38 (9.52)	.030 (76)	W188-X-ND	6.45	28.79	51.56	92.83
1.0 (25.4)	50 (12.70)	.035 (88)	W189-X-ND†	9.89	44.19	79.16	131.93
3.0 (76.2)	1.5 (38.10)	.050 (1.27)	W192-X-ND†	43.37	195.17	360.53	—
4.0 (101.6)	2.0 (50.80)	.055 (1.40)	W193-X-ND†	51.49	231.71	549.53	—

NOTE: Longer lengths available, call Digi-Key † Available only in listed lengths

Irradiated Polyolefin Heat Shrink



DAFLEX SH277 shrinkable irradiated polyolefin tubing is flame retardant and withstands up to 300°C (572°F) for short durations and can be hot stamped. **Specifications:** • Shrink Ratio: 4:1 • Longitudinal Shrinkage: 10% maximum • Shrink Temperature: 120°C (250°F) • Continuous Operation Temperature: -55°C – 135°C • Meets or exceeds MIL-I-23053/5 Class 1 and 3

Description	Minimum Supplied I.D. Inch (mm)	Maximum Recovery I.D. Inch (mm)	Nominal Recovered Wall Thick. Inch (mm)	Digi-Key Part No.	Sold in 4' Lengths Only				
					4' (1pc.)	8' (2pc.)	20' (5pc.)	48' (12pc.)	100' (25pc.)
1" x 4' Black	1.0 (25.4)	.26 (6.5)	.060 (1.5)	W203-ND	68.52	91.36	205.56	411.12	742.30
2" x 4' Black	2.0 (50.8)	.50 (12.7)	.060 (1.5)	W204-ND	93.72	124.96	281.16	562.32	1015.30

Polyolefin Heat Shrink



DAFLEX SM278 is a flexible, large ratio, heat shrinkable tubing with a malleable adhesive liner. As the outer wall shrinks, the inner adhesive liner melts and flows. When cooled, it offers protection for a variety of electrical applications as well as "sealed-in" protection from chemicals and oils. **Specifications:** • Shrink Ratio: 4:1 • Longitudinal Shrinkage: 10% maximum • Shrink Temperature: 120°C (250°F) • Continuous Operation Temperature: -55°C – 135°C • Meets or exceeds MIL-I-23053/4 Class 3 • UL VW-1, CSA OFT (outer wall only) • Dual Wall

Description	Minimum Supplied I.D. Inch (mm)	Maximum Recovery I.D. Inch (mm)	Nominal Recovered Wall Thick. Inch (mm)	Digi-Key Part No.	(NOTE: "X" in Digi-Key Part No. Represents No. of Feet)				
					5'	25'	50'	100'	200'
3/16" Black	.16 (4)	.04 (1)	.035 (.9)	W207-X-ND	9.21	39.36	67.00	113.90	214.40
5/16" Black	.315 (8)	.079 (2)	.035 (.9)	W208-X-ND	15.54	66.39</			