

Pan-Wrap™ Installation Tools

- Patented installation tool with 180° opening allows easy loading of maximum bundle diameters to speed installation, providing the lowest installed cost



Part Number	Color	For Use With	Std. Pkg. Qty.**
PWT38	White	PW38F- Series	1
PWT50	White	PW50F- Series	1
PWT75	White	PW75F- Series	1
PWT100	White	PW100F- Series	1
PWT150	White	PW150F- Series	1

**Order number of tools required.

Part Number System for Spiral Wrap

T	25	F	-	C	16
Type	Outside Diameter	Material		Package Size	Color Suffix
T = Spiral Wrap	12 = 1/8" 19 = 3/16" 25 = 1/4" 38 = 3/8" 50 = 1/2" 62 = 5/8" 75 = 3/4" 100 = 1"	F = Polyethylene R = Fire Resistant Polyethylene FR = Flame Retardant Polyethylene N = Nylon T = TFE^ P = Weather Resistant Polypropylene		X = 10' Q = 25' L = 50' C = 100' T = 200' TL = 250' D = 500' M = 1,000'	See Table Below

Color	Color Suffix	Material Availability					
		Polyethylene	Fire Resistant Polyethelene	Flame Retardant Polyethelene	Nylon 6.6	Weather Resistant Polypropylene	TEFLON^
Natural*	No Suffix Will be Listed	✓	✓	✓	✓		✓
Weather Resistant Black	0	✓			✓	✓	
Brown	1	✓					
Red	2	✓					
Orange	3	✓					
Yellow	4	✓					
Green	5	✓					
Blue	6	✓					
Purple	7	✓					
Gray	8	✓					
White	10	✓					
Pink	16	✓					
Black	20	✓	✓	✓	✓		

^TFE is Polytetrafluorethylene material.

*Natural can range from transparent, opaque, to white.

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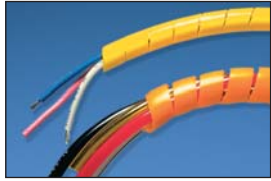
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PANDUIT® ELECTRICAL SOLUTIONS

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Spiral Wrap



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B2.
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Accessories

B3.
Stainless
Steel Ties

C1.
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- Harness multiple cables into a single manageable bundle
- Allows breakouts of single/multiple cables
- Provides abrasion protection for wire, cables, hoses, and tubing

- Multiple colors allow easy identification of cable bundles
- Installation tool supplied in each package
- Available in multiple materials
- Reusable

Part Number	Material*	Color	Length Per Reel		Bundle Diameter Range		Outside Diameter		Temperature Range	Wall Thickness		Std. Pkg. Qty.‡
			Ft.	m	In.	mm	In.	mm		In.	mm	
T12F-C	Polyethylene	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 122°F (-40°C – 50°C)	0.030	0.76	1
T12F-D	Polyethylene	Natural	500	152.4	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 122°F (-40°C – 50°C)	0.030	0.76	1
T19F-C	Polyethylene	Natural	100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8	-40°F – 122°F (-40°C – 50°C)	0.035	0.89	1
T19F-M	Polyethylene	Natural	1,000	304.8	1/8 – 1	3.2 – 25.4	0.19	4.8	-40°F – 122°F (-40°C – 50°C)	0.035	0.89	1
T25F-C	Polyethylene	Natural	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C1	Polyethylene	Brown	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C2	Polyethylene	Red	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C3Y	Polyethylene	Orange	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C4Y	Polyethylene	Yellow	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C5	Polyethylene	Green	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C6	Polyethylene	Blue	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C7	Polyethylene	Purple	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C8	Polyethylene	Gray	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C10	Polyethylene	White	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C16	Polyethylene	Pink	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-M	Polyethylene	Natural	1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T38F-C	Polyethylene	Natural	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 122°F (-40°C – 50°C)	0.055	1.40	1
T38F-TL	Polyethylene	Natural	250	76.2	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 122°F (-40°C – 50°C)	0.055	1.40	1
T50F-X	Polyethylene	Natural	10	3.1	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C	Polyethylene	Natural	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C1	Polyethylene	Brown	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C2	Polyethylene	Red	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C3Y	Polyethylene	Orange	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C4Y	Polyethylene	Yellow	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C5	Polyethylene	Green	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C6	Polyethylene	Blue	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C7	Polyethylene	Purple	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C8	Polyethylene	Gray	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C10	Polyethylene	White	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C16	Polyethylene	Pink	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1

*Flame retardant products are manufactured from a material that is rated UL 94V-0.

‡Reel packaging may contain splices. Contact Panduit Customer Service for further information.

C3.4

Order number of reels required, in multiples of Standard Package Quantity.

Courtesy of Steven Engineering, Inc.-230 Ryan Way, South San Francisco, CA 94080-6370-Main Office: (650) 588-9200-Outside Local Area: (800) 258-9200-www.stevenengineering.com

Spiral Wrap (continued)

Part Number	Material	Color	Length Per Reel		Bundle Diameter Range		Outside Diameter		Temperature Range	Wall Thickness		Std. Pkg. Qty.†
			Ft.	m	In.	mm	In.	mm		In.	mm	
T50F-TL	Polyethylene	Natural	250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-TL4Y	Polyethylene	Yellow	250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T62F-C	Polyethylene	Natural	100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-40°F – 122°F (-40°C – 50°C)	0.062	1.57	1
T62F-TL	Polyethylene	Natural	250	76.2	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-40°F – 122°F (-40°C – 50°C)	0.062	1.57	1
T75F-C	Polyethylene	Natural	100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1	-40°F – 122°F (-40°C – 50°C)	0.065	1.65	1
T75F-T	Polyethylene	Natural	200	61.0	5/8 – 5	15.9 – 127.0	0.75	19.1	-40°F – 122°F (-40°C – 50°C)	0.065	1.65	1
T100F-C	Polyethylene	Natural	100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4	-40°F – 122°F (-40°C – 50°C)	0.070	1.78	1
T12F-C0	Weather Resistant Polyethylene	Black	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 122°F (-40°C – 50°C)	0.030	0.76	1
T12F-D0	Weather Resistant Polyethylene	Black	500	152.4	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 122°F (-40°C – 50°C)	0.030	0.76	1
T19F-C0	Weather Resistant Polyethylene	Black	100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8	-40°F – 122°F (-40°C – 50°C)	0.035	0.89	1
T25F-X0	Weather Resistant Polyethylene	Black	10	3.1	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-C0	Weather Resistant Polyethylene	Black	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25F-M0	Weather Resistant Polyethylene	Black	1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T38F-C0	Weather Resistant Polyethylene	Black	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 122°F (-40°C – 50°C)	0.055	1.40	1
T38F-TL0	Weather Resistant Polyethylene	Black	250	76.2	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 122°F (-40°C – 50°C)	0.055	1.40	1
T50F-X0	Weather Resistant Polyethylene	Black	10	3.1	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-C0	Weather Resistant Polyethylene	Black	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50F-TL0	Weather Resistant Polyethylene	Black	250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T62F-C0	Weather Resistant Polyethylene	Black	100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-40°F – 122°F (-40°C – 50°C)	0.062	1.57	1
T62F-TL0	Weather Resistant Polyethylene	Black	250	76.2	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-40°F – 122°F (-40°C – 50°C)	0.062	1.57	1
T75F-C0	Weather Resistant Polyethylene	Black	100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1	-40°F – 122°F (-40°C – 50°C)	0.065	1.65	1
T75F-T0	Weather Resistant Polyethylene	Black	200	61.0	5/8 – 5	15.9 – 127.0	0.75	19.1	-40°F – 122°F (-40°C – 50°C)	0.065	1.65	1
T100F-C0	Weather Resistant Polyethylene	Black	100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4	-40°F – 122°F (-40°C – 50°C)	0.070	1.78	1
T12R-CY	Fire Resistant Polyethylene	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 122°F (-40°C – 50°C)	0.030	0.76	1
T19R-CY	Fire Resistant Polyethylene	Natural	100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8	-40°F – 122°F (-40°C – 50°C)	0.035	0.89	1
T25R-CY	Fire Resistant Polyethylene	Natural	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25R-C20Y	Fire Resistant Polyethylene	Black	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1

*Flame retardant products are manufactured from a material that is rated UL 94V-0.

†Reel packaging may contain splices. Contact Panduit Customer Service for further information.

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For technical assistance in the U.S., call 866-405-6654 (outside the U.S., see inside back cover for directory)

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Part Number	Material*	Color	Length Per Reel		Bundle Diameter Range		Outside Diameter		Temperature Range	Wall Thickness		Std. Pkg. Qty.‡
			Ft.	m	In.	mm	In.	mm		In.	mm	
T25R-MY	Fire Resistant Polyethylene	Natural	1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T25R-M20Y	Fire Resistant Polyethylene	Black	1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 122°F (-40°C – 50°C)	0.040	1.02	1
T38R-CY	Fire Resistant Polyethylene	Natural	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 122°F (-40°C – 50°C)	0.055	1.40	1
T38R-TLY	Fire Resistant Polyethylene	Natural	250	76.2	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 122°F (-40°C – 50°C)	0.055	1.40	1
T50R-CY	Fire Resistant Polyethylene	Natural	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T50R-TLY	Fire Resistant Polyethylene	Natural	250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 122°F (-40°C – 50°C)	0.060	1.52	1
T62R-CY	Fire Resistant Polyethylene	Natural	100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-40°F – 122°F (-40°C – 50°C)	0.062	1.57	1
T75R-CY	Fire Resistant Polyethylene	Natural	100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1	-40°F – 122°F (-40°C – 50°C)	0.065	1.65	1
T100R-CY	Fire Resistant Polyethylene	Natural	100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4	-40°F – 122°F (-40°C – 50°C)	0.070	1.78	1
T12FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-4°F – 167°F (-20°C – 75°C)	0.030	0.76	1
T12FR-C20Y	Flame Retardant Polyethylene	Black	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-4°F – 167°F (-20°C – 75°C)	0.030	0.76	1
T19FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8	-4°F – 167°F (-20°C – 75°C)	0.035	0.89	1
T19FR-C20Y	Flame Retardant Polyethylene	Black	100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8	-4°F – 167°F (-20°C – 75°C)	0.035	0.89	1
T25FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-4°F – 167°F (-20°C – 75°C)	0.040	1.02	1
T25FR-C20Y	Flame Retardant Polyethylene	Black	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-4°F – 167°F (-20°C – 75°C)	0.040	1.02	1
T25FR-MY	Flame Retardant Polyethylene	Natural	1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4	-4°F – 167°F (-20°C – 75°C)	0.040	1.02	1
T25FR-M20Y	Flame Retardant Polyethylene	Black	1,000	304.8	3/16 – 2	4.8 – 50.8	0.25	6.4	-4°F – 167°F (-20°C – 75°C)	0.040	1.02	1
T38FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5	-4°F – 167°F (-20°C – 75°C)	0.055	1.40	1
T38FR-C20Y	Flame Retardant Polyethylene	Black	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5	-4°F – 167°F (-20°C – 75°C)	0.055	1.40	1
T38FR-TLY	Flame Retardant Polyethylene	Natural	250	76.2	5/16 – 3	7.9 – 76.2	0.38	9.5	-4°F – 167°F (-20°C – 75°C)	0.055	1.40	1
T50FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-4°F – 167°F (-20°C – 75°C)	0.060	1.52	1
T50FR-C20Y	Flame Retardant Polyethylene	Black	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-4°F – 167°F (-20°C – 75°C)	0.060	1.52	1
T50FR-TLY	Flame Retardant Polyethylene	Natural	250	76.2	3/8 – 4	9.5 – 101.6	0.50	12.7	-4°F – 167°F (-20°C – 75°C)	0.060	1.52	1
T62FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-4°F – 167°F (-20°C – 75°C)	0.062	1.57	1
T62FR-C20Y	Flame Retardant Polyethylene	Black	100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-4°F – 167°F (-20°C – 75°C)	0.062	1.57	1
T75FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1	-4°F – 167°F (-20°C – 75°C)	0.065	1.65	1
T75FR-C20Y	Flame Retardant Polyethylene	Black	100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1	-4°F – 167°F (-20°C – 75°C)	0.065	1.65	1
T75FR-TY	Flame Retardant Polyethylene	Natural	200	61.0	5/8 – 5	15.9 – 127.0	0.75	19.1	-4°F – 167°F (-20°C – 75°C)	0.065	1.65	1
T100FR-CY	Flame Retardant Polyethylene	Natural	100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4	-4°F – 167°F (-20°C – 75°C)	0.070	1.78	1
T100FR-C20Y	Flame Retardant Polyethylene	Black	100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4	-4°F – 167°F (-20°C – 75°C)	0.070	1.78	1

*Flame retardant products are manufactured from a material that is rated UL 94V-0.

‡Reel packaging may contain splices. Contact Panduit Customer Service for further information.

Spiral Wrap (continued)

Part Number	Material*	Color	Length Per Reel		Bundle Diameter Range		Outside Diameter		Temperature Range	Wall Thickness		Std. Pkg. Qty.†
			Ft.	m	In.	mm	In.	mm		In.	mm	
T12N-C	Nylon 6.6	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 149°F (-40°C – 65°C)	0.015	0.38	1
T19N-C	Nylon 6.6	Natural	100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8	-40°F – 149°F (-40°C – 65°C)	0.020	0.51	1
T25N-C	Nylon 6.6	Natural	100	30.5	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 149°F (-40°C – 65°C)	0.023	0.58	1
T38N-C	Nylon 6.6	Natural	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 149°F (-40°C – 65°C)	0.030	0.76	1
T50N-C	Nylon 6.6	Natural	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 149°F (-40°C – 65°C)	0.032	0.81	1
T62N-C	Nylon 6.6	Natural	100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-40°F – 149°F (-40°C – 65°C)	0.035	0.89	1
T75N-C	Nylon 6.6	Natural	100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1	-40°F – 149°F (-40°C – 65°C)	0.040	1.02	1
T100N-C	Nylon 6.6	Natural	100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4	-40°F – 149°F (-40°C – 65°C)	0.045	1.14	1
T12N-C0	Weather Resistant Nylon 6.6	Black	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-40°F – 149°F (-40°C – 65°C)	0.015	0.38	1
T19N-C0	Weather Resistant Nylon 6.6	Black	100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8	-40°F – 149°F (-40°C – 65°C)	0.020	0.51	1
T25N-C0	Weather Resistant Nylon 6.6	Black	100	30.5	3/16 – 2	4.8 – 50.4	0.25	6.4	-40°F – 149°F (-40°C – 65°C)	0.023	0.58	1
T38N-C0	Weather Resistant Nylon 6.6	Black	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 149°F (-40°C – 65°C)	0.030	0.76	1
T50N-C0	Weather Resistant Nylon 6.6	Black	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 149°F (-40°C – 65°C)	0.032	0.81	1
T62N-C0	Weather Resistant Nylon 6.6	Black	100	30.5	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-40°F – 149°F (-40°C – 65°C)	0.035	0.89	1
T75N-C0	Weather Resistant Nylon 6.6	Black	100	30.5	5/8 – 5	15.9 – 127.0	0.75	19.1	-40°F – 149°F (-40°C – 65°C)	0.040	1.02	1
T100N-C0	Weather Resistant Nylon 6.6	Black	100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4	-40°F – 149°F (-40°C – 65°C)	0.045	1.14	1
T38P-C0	Weather Resistant Polypropylene	Black	100	30.5	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 239°F (-40°C – 115°C)	0.030	0.76	1
T50P-C0	Weather Resistant Polypropylene	Black	100	30.5	3/8 – 4	9.5 – 101.6	0.50	12.7	-40°F – 239°F (-40°C – 115°C)	0.030	0.76	1
T100P-C0	Weather Resistant Polypropylene	Black	100	30.5	7/8 – 6	22.2 – 152.4	1.00	25.4	-40°F – 239°F (-40°C – 115°C)	0.030	0.76	1
T12T-C	TFE^	Natural	100	30.5	1/16 – 1/2	1.6 – 12.7	0.12	3.2	-454°F – 500°F (-270°C – 260°C)	0.020	0.51	1
T19T-C	TFE^	Natural	100	30.5	1/8 – 1	3.2 – 25.4	0.19	4.8	-454°F – 500°F (-270°C – 260°C)	0.030	0.76	1
T25T-L	TFE^	Natural	50	15.2	3/16 – 2	4.8 – 50.8	0.25	6.4	-454°F – 500°F (-270°C – 260°C)	0.030	0.76	1
T25T-L0	TFE^	Black	50	15.2	3/16 – 2	4.8 – 50.8	0.25	6.4	-40°F – 500°F (-40°C – 260°C)	0.030	0.76	1
T38T-L	TFE^	Natural	50	15.2	5/16 – 3	7.9 – 76.2	0.38	9.5	-40°F – 500°F (-40°C – 260°C)	0.030	0.76	1
T50T-Q	TFE^	Natural	25	7.6	3/8 – 4	9.5 – 101.6	0.50	12.7	-454°F – 500°F (-270°C – 260°C)	0.030	0.76	1
T62T-Q	TFE^	Natural	25	7.6	1/2 – 4 1/2	12.7 – 114.3	0.62	15.9	-454°F – 500°F (-270°C – 260°C)	0.030	0.76	1
T75T-X	TFE^	Natural	10	3.1	5/8 – 5	15.9 – 127.0	0.75	19.1	-454°F – 500°F (-270°C – 260°C)	0.030	0.76	1
T100T-X	TFE^	Natural	10	3.1	7/8 – 6	22.2 – 152.4	1.00	25.4	-454°F – 500°F (-270°C – 260°C)	0.040	1.02	1

*Flame retardant products are manufactured from a material that is rated UL 94V-0.

†Reel packaging may contain splices. Contact Panduit Customer Service for further information.

^TFE is Polytetrafluorethylene material.

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Abrasion Protection Materials Technical Data

		Ratings and Approvals			Physical Properties				Chemical Resistance			
		UL Temperature Index	Flammability (UL 94)	Melting Temperature	Abrasion Resistance (Lower number is better)	Specific Gravity (D792)	Minimum Tensile @23°C (psi)	Water Absorption (Max. 24 hrs.)	Organic Solvents	Alkalies	Acids	Petro-Chemicals
SPIRAL WRAP	Natural Polyethylene Lowest cost material for indoor use up to 122°F. Natural is available in all sizes.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	22 mg	0.91 – 0.93	1400 (D368)	0.01%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Weather Resistant Polyethylene This material has the same properties as natural polyethylene, and also has additives which allow it to resist the effects of ultraviolet light and acid rain in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	20 mg	0.93 – 1.09	2000 (D368)	0.03%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	No Discoloration
	Fire Resistant Polyethylene* UL94-V-2 Rating This material is self extinguishing and passes the UL 94 flame retardant test with V-2 rating.	-40°F (-40°C) to 122°F (50°C)	V-2	239°F (115°C)	27 mg	1.00 – 1.30	1400 (D368)	0.02%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Flame Retardant Polyethylene* UL94-V-0 Rating. This material is self extinguishing and passes the UL94 flame retardant test with a V-0 rating.	-4°F (-20°C) to 167°F (75°C)	V-0	270°F (132°C)	22 mg	1.23 – 1.37	1500 (D368)	0.02%	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant Some Discoloration
	Weather Resistant Polypropylene This material is resistant to chemical attack and is suitable for harsh environment applications requiring UV/weather resistance and withstanding high temperatures.	-40°F (-40°C) to 239°F (115°C)	HB	334°F (168°C)	—	0.902	4000 (D638)	0.1%	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant No Discoloration
	Nylon 6.6 Nylon is strong, durable material for indoor use up to 149°F. It offers a combination of lightweight, wide temperature range, and high abrasion resistance. This material is suitable for applications where heavy vibration or stress exists on the wiring or tubing.	-40°F (-40°C) to 149°F (65°C)	HB	505°F (263°C)	7 mg	1.13 – 1.15	12,400 (D368)	1.2%	Resistant except to halogenated hydrocarbons	Resistant	Not recommended	Resistant No Discoloration
	Weather Resistant Nylon 6.6 This material has the same properties as natural Nylon and also has additives which allow it to resist the effects of ultraviolet light in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 149°F (65°C)	HB	505°F (263°C)	7 mg	1.13 – 1.15	12,400 (D368)	1.2%	Resistant except to halogenated hydrocarbons	Resistant	Not recommended	Resistant No Discoloration
	TFE† This material is a non-flammable, fluorocarbon resin material. Suitable for use in any application (including nuclear containment). It is rated up to 356°F. Color: Opaque to Translucent.	-40°F (-40°C) to 500°F (260°C)	V-0	648°F (342°C)	7 mg	2.13 – 2.22	3000 (D876)	0.01%	Resistant	Resistant	Resistant	Resistant No Discoloration
	Natural Polyethylene Lowest cost material for indoor use up to 122°C. Natural is available in all sizes.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	22 mg	0.91 – 0.93	1400 (D638)	0.01%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Flame Retardant Polyethylene* UL94-V-0 Rating. This material is self extinguishing and passes the UL94 flame retardant test with a V-0 rating.	-4°F (-20°C) to 167°F (75°C)	V-0	270°F (132°C)	22 mg	1.15	1500 (D876)	0.02%	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant Some Discoloration

Note: Typical operating temperature ranges are extended based on end use application and specific environment tests.
†TFE is Polytetrafluoroethylene material.

*Contains halogens. Other materials are halogen free.

PAN-WRAP™

Abrasion Protection Materials Technical Data (continued)

		Ratings and Approvals			Physical Properties				Chemical Resistance			
		UL Temperature Index	Flammability (UL 94)	Melting Temperature	Abrasion Resistance (Lower number is better)	Specific Gravity (D792)	Minimum Tensile @ 23°C (psi)	Water Absorption (Max. 24 hrs.)	Organic Solvents	Alkalies	Acids	Petro-Chemicals
SLEEVING	Polyethylene Terephthalate (PET) This material is a thermoplastic polyester material designed for indoor applications. It is rated for use up to 257°F and will tolerate short-term exposure up to 446°F. Colors: Black, White and Gray.	-94°F (-70°C) to 257°F (125°C)	HB	500°F (260°C)	—	1.39	100,000 (D876)	0.08%	Resistant to some solvents	Resistant to most weak bases	Resistant	Some Discoloration
	Flame Retardant Polyethylene* Terephthalate (PET) This material is a self-extinguishing thermoplastic polyester that can be used indoors. It is also rated for use up to 257°F and will tolerate short term exposure up to 446°F. It is provided with tracers to identify the flame retardant material.	-94°F (-70°C) to 257°F (125°C)	UL 1441 VW-1	469°F (243°C)	—	1.39	39,295 (D876)	0.08%	Resistant to some solvents	Resistant to most weak bases	Resistant	Resistant Some Discoloration
CLT	Black Polypropylene Lowest cost material is for use up to 122°F. Other colors may be available.	-40°F (-40°C) to 122°F (50°C)	HB	—	—	0.926 – 0.940	1500 (D638)	—	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant No Discoloration
	Nylon 6 Nylon is a strong, impact modified, heat stabilized, durable high abrasion resistant material.	-40°F (-40°C) to 230°F (110°C)	HB	410°F (211°C)	—	1.06 – 1.16	8000 (D638)	—	Resistant except to halogenated hydrocarbons	Resistant	Not recommended	Resistant No Discoloration
PVC	PVC Non-Shrink Tubing* This material provides insulation and protection for continuous use at temperature -4°F (-20°C) to 221°F (105°C).	-4°F (-20°C) to 221°F (105°C)	UL 224 VW-1	—	—	1.35	2500 (D876)	—	Resistant except to aromatic hydrocarbons, ketones and esters	Resistant	Resistant	Resistant No Discoloration
CLT FITTINGS	Black Polyethylene Lowest cost material is for use up to 122°F. Other colors may be available.	-40°F (-40°C) to 122°F (50°C)	UL94 HB	—	—	1.04	3,900 (D638)	0.02 – 0.03%	Resistant except to halogenated hydrocarbons	Resistant	Resistant except to oxidizing acids	Resistant Some Discoloration
GROMMET EDGING	Natural Polyethylene Lowest cost material for indoor use up to 122°F. Natural is available in all sizes.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	22 mg	0.91 – 1.09	1400 (D638)	—	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Weather Resistant Polyethylene This material has the same properties as natural polyethylene, and also has additives which allow it to resist the effects of ultraviolet light and acid rain in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	20 mg	0.93 – 1.09	2000 (D638)	0.03%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	No Discoloration
	Flame Retardant Polyethylene* UL94-V-0 Rating This material is self-extinguishing and passes the UL94 flame retardant test with a V-0 rating.	-4°F (-20°C) to 167°F (75°C)	V-0	270°F (132°C)	22 mg	1.23 – 1.37	1200	0.02%	Resistant below 194°F (90°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Nylon Nylon is strong, durable, self-extinguishing material for indoor use up to 149°F. It offers a combination of lightweight, wide temperature range, and high abrasion resistance. This material is suitable for applications where heavy vibration or stress exists on the wiring or tubing.	-40°F (-40°C) to 149°F (65°C)	V-2	491°F (255°C)	7 mg	1.03 – 1.15	12,400 (D638)	1.5%	Resistant except to phenols and formic acid	Resistant	Resistant to most weak acids	No Discoloration

Note: Typical operating temperature ranges are extended based on end use application and specific environment tests.

*Contains halogens. Other materials are halogen free.

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