

FCFW Quickwrap

Heat-shrink wraparound sleeve

Heavy wall, flame retardant, heat shrink wraparound sleeve with adhesive for complete environmental sealing without the need for disconnection. Ideal for retrofit protection of exposed connectors and the repair of damaged cable.



Features and Benefits

- Fast and simple installation without interruption of service
- Repair damaged cable jackets
- Suitable for low voltage electrical and mechanical applications
- Proven thermoplastic adhesive ensures an absolutely waterproof seal
- High impact and abrasion resistance
- Flame retardant
- UV resistant
- FCFW QuickWrap can be cut to size in field to suit application
- Rated for 1 kV, 90°C continuous use
- Shrink ratio: 3:1
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

Typical Applications

- Connectorized cable repair
- Retrofit protection of connectors
- Cable jacket repairs

Installation notes

FCFW QuickWrap is a one size fits all solution that can accommodate all sizes of cable and connectors. QuickWrapsleeves can be cut to length and width in the field to fit the specific application. Simply wrap the sleeve around the cable or connector, ensuring adequate overlap (allow for a minimum of 3 in or 76 mm), and then firmly apply the closure to hold FCFW QuickWrap together during the heat shrinking process. Please refer to the installation instructions included with each FCFW QuickWrap for more detailed information.

3:1

Shrink ratio

-55°C - 110°C
(-67°F to 230°F)

Continuous
operating
temperature

Markets:

Railway, Electrical, Industrial

Standards:



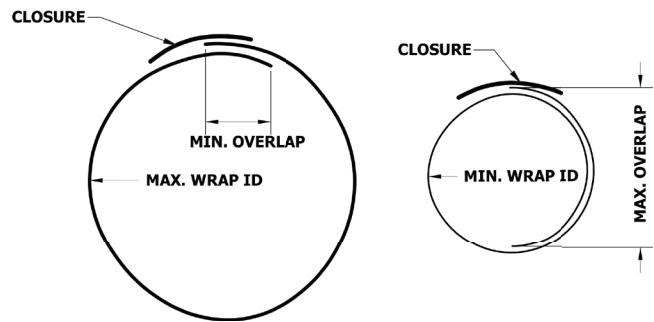
FCFW Quickwrap

ORDER NUMBER	LENGTH	WIDTH	RECOMMENDED OVERLAP		EXPANDED SLEEVE I.D. WITH OVERLAP		APPLICATION RANGE	CONDUCTOR SIZE
			MIN	MAX	MIN-GENERAL USE	MAX	CONDUCTOR SIZE	AWG/MCM
	<i>in (mm)</i>	<i>in (mm)</i>	<i>in (mm)</i>	<i>in (mm)</i>	<i>in (mm)</i>	<i>in (mm)</i>	<i>in (mm)</i>	
1500	12 (305)	5.7 (145)	1.13 (28.6)	2.36 (59.8)	0.75 (19.1)	1.14 (29.0)	0.50-1.00 (13-25)	#2/0 - 350
2000	12 (305)	7.3 (185)	1.13 (28.6)	3.14 (79.8)	1.00 (25.4)	1.64 (41.7)	0.70-1.50 (18-38)	250 - 500
2700	12 (305)	9.5 (241)	1.20 (30.5)	4.24 (107.7)	1.35 (34.3)	2.32 (58.9)	1.00-2.00 (25-58)	600 - 1000

Ordering

- Please specify the product name, order number and options you require
- Example: FCFW QuickWrap 1500, 12 in length

Please contact your Customer Service Representative for information on custom colors, sizes, lengths and material data sheet.



We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.

For further information, please contact:

Americas: 800 422 6872
Canada: 800 845 6808

Asia Pacific: +86 512 82280099
Europe: +49 2226 9047 355

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Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
MATERIAL		
Tensile Strength	2,100 psi (14.5 MPa)	ASTM D412, ISO 37
Elongation	600%	ASTM D412, ISO 37
Elongation after Heat Aging (168 hr at 175°C)	520%	ASTM D412, ISO 37
Heat Shock (4 hr at 225°C)	No cracking or flowing ASTM D570	ASTM D2671
Longitudinal Change	+1%, -10%	ASTM D2671
Low Temperature Flexibility (4 hr at -55°C)	No cracking or splitting	ASTM D2671
Specific Gravity	1.2	ASTM D792
Hardness (Shore D)	50D	ASTM D2240
Oxygen Index	27.00 min.	ASTM D2863
Flammability	Flame retardant	ASTM D2671 Proc. C
CHEMICAL		
Fluid Resistance	Good to excellent	MIL-DTL-23053/15
Fungus Resistance	No growth	ASTM G21
Copper Corrosion	No corrosion	ASTM D2671
Water Absorption	0.2%	ASTM D570
ELECTRICAL		
Dielectric Strength	500 V/mil (20 kV/m)	ASTM D149
Dielectric Voltage Withstand (2500 V, 60 Hz, 1 min)	No breakdown, 24 kV 1 min., 15 kV 4 hr	UL 486D
Volume Resistivity	10 ¹⁶ ohm-cm	ASTM D257
ADHESIVE		
Adhesive Lap Shear (1 in/min at 23°C)	125 psi (0.875 MPa)	ASTM D1002
Adhesive Softening Point	92°C ±5°C	ASTM E28
Adhesive Peel Strength (300 mm/min at 23°C) to steel, aluminum, PE	35 pli min.	ASTM D1000
Adhesive Peel Strength (300 mm/min at 23°C) to PVC	20 pli min.	ASTM D1000
Adhesive Blocking (30°C)	No blocking	ASTM D1146
Adhesive Water Absorption	Less than 0.3%	ASTM D570
Water Penetration	No penetration after 236 hr of continuous immersion	STM 706
CLOSURE - POLYMERIC CLOSURE WITH PRESSURE SENSITIVE ADHESIVE		
Tensile Strength	3,480 psi (24 MPa)	n/a
Elongation	700%	n/a

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