







# **CFW**

Heavy Wall Heat Shrinkable Tubing provides maximum reliability for insulating and protecting cable joints and terminations

# **Features**

- Withstands severe mechanical requirements of U.R.D., submersible and direct burial installations
- High impact, abrasion, corrosion and chemical resistance
- Rated for 600V, 90°C continuous use
- Optional Thermoplastic Adhesive Liner provides complete environmental protection and insulation
- Meets: UL 486D, CSA C22.2 No. 198.2, ANSI C119-1, Western Underground Guide Numbers 2.4, 2.5, ICEA and NEMA insulation thickness requirements
- Continuous operating temperature:
  -55°C to 110°C
- Shrink temperature: 120°C





## **Technical Data**

## **Physical**

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Property	Test Method	Typical Performance
Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5MPa)
Elongation	ASTM D412, ISO 37	600%
Longitudinal Change	ASTM D2671	+1%, -10%
Specific Gravity	ASTM D792	1.1
Elongation after Heat Aging (168 hrs at 150°C)	ASTM D2671	500%
Heat Shock (4hrs at 225°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D
Electrical		
Dielectric Strength	ASTM-D149	500 V/MiI (20kV/mm)
Dielectric Voltage Withstand (2500 V, 60 Hz, 1 min.)	UL 486D	No Breakdown, 24kV-1 min, 15kV-4hrs
Volume Resistivity	ASTM D257	10 <sup>16</sup> ohm-cm
Chemical		
Fluid Resistance	MIL-DTL-23053	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.1%
Fungus Resistance	ASTM G21	No Growth
Adhesive		
Adhesive softening point	ASTM E28	92°C +/- 5°C
Adhesive peel strength (300mm/min at 23°C) - to steel, alum, P.E. - to PVC	ASTM D1000	35 pli 20 pli
Adhesive Lap Shear (1in./min at 23°C)	ASTM D1002	125 psi (0.875 MPa)
Adhesive Blocking (30°C)	ASTM-D1146	No blocking
Water Penetration	STM 706	No penetration after 236 hrs. (min) of continuous immersion.

## CANUSA-EMI

## There's no end to what we cover

CANUSA-EMI is a global company providing electrical and mechanical insulation solutions for a variety of industries and applications. Starting from products created by extensive developmental research at Shaw Industries (incorporated 1955), CANUSA-EMI is a recognized world leader in the provisioning of high quality heat shrink products.

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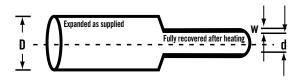
### WORLDWIDE WEB: www.canusa-emi.com

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## **Dimensions**

	EXPANDED			RECOVERED								
ORDER METRIC	REF. NO. Imperial	DIAMETE		DIAMETE		WALL THICKNESS (NOM)		APPLICATION RANGE FOR GENERAL USE		600/1000V SINGLE CONDUCTOR SIZE	STANDARD LENGTHS	
XXXX	YYYY	mm C	IN	mm	i IN	mm 1	V IN	mm	IN	AWG/MCM	AA m	BB IN
0089	0350	8.9	0.35	3.0	0.12	1.8	0.07	3.5-8	153	#14 - #10	1.2	6, 48
0130	0500	13.0	0.51	4.1	0.16	2.4	0.09	4.5-11	.245	#8 - #6	1.2	6, 48
0191	0750	19.1	0.75	6.1	0.24	2.4	0.09	6.5-16.5	.2565	#6 - #2	1.2	6, 9, 12, 48
0279	1100	27.9	1.10	8.9	0.35	3.0	0.12	10-24	.495	#1 - 3/0	1.2	6, 9, 12, 48
0381	1500	38.1	1.50	11.9	0.47	4.1	0.16	13-35	.5-1.4	2/0 - 350	1.2	9, 12, 48
0508	2000	50.8	2.00	16.0	0.63	4.1	0.16	17.5-44	.7-1.75	250 - 500	1.2	9, 12, 48
0681	2700	68.1	2.70	22.1	0.87	4.1	0.16	24-59	.95-2.3	600 - 1000	1.2	12, 24, 48
0899	3500*	89.9	3.54	30.0	1.18	4.1	0.16	33-80	1.3-3.1	800 - 1250	1.2	12, 24, 48
1199	4700 *	119.9	4.72	39.9	1.57	4.3	0.17	44-104	1.75-4.1	1500-2500	1.2	12, 24, 48

<sup>\*</sup> CFW 3500 and CFW 4700 are not UL or CSA listed.



## **Ordering**

Refer to the table to select the size which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

#### To Order in Metric Units:

## To Order in Imperial Units:

#### Standard Colors (CC)

Order Code	Color
BK	BLACK
RD	RED

<sup>\*</sup> For additional colors please see price list.

## Options (00)

	Lined	Unlined
Unprinted	00	01
Printed	02	03

Lengths:	Supplied in cut lengths
Standards:	UL486D, CSA C22.2 No 1

UL486D, CSA C22.2 No 198.2, ANSI C119.1, Western Underground Guide Nos. 2.4, 2.5.

Note: Non-standard colors, sizes, lengths and sealants available subject to factory quotation.