

INSULATE  
SEAL  
PROTECT

3:1  
SHRINK RATIO



## HEAVY WALL CROSS-LINKED POLYOLEFIN TUBING

HEAVY WALL HEAT SHRINK TUBING INSULATES AND PROTECTS ELECTRICAL SPLICES AND TERMINATIONS WHERE MAXIMUM FLAME RETARDANCY AND EXCEPTIONAL INSULATING AND SEALING CHARACTERISTICS ARE REQUIRED

### FEATURES AND BENEFITS

- 3:1 shrink ratio
- Flame retardant
- High impact and abrasion resistance - capable of withstanding severe mechanical abuse of U.R.D., submersible and direct burial installations
- FCFW tubing will not split or rupture during installation, even when overheated
- Optional thermoplastic adhesive liner provides complete environmental protection and insulation
- Rated for 1 kV, 90°C continuous use
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

### STANDARDS

- UL 486D
- CSA C22.2 No. 198.2
- ANSI C119- 1
- Western Underground Guides No. 2.4 and 2.5
- IEEE 383 Vertical Flame Test
- ANSI C37.20.2
- ICEA S-19-8 and NEMA insulation thickness requirements
- SAE-AMS-DTL-23053/15 Class 1
- DNV Type approval

### TYPICAL APPLICATIONS

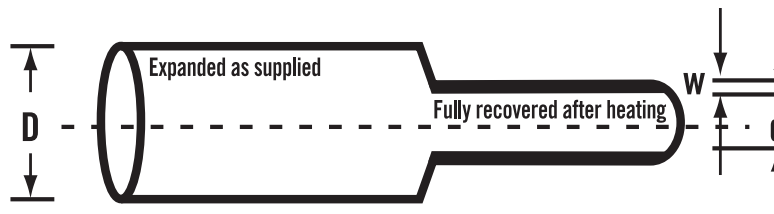
- Insulation of low voltage cables
- Battery cable protection
- Flame retardant system



## DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		600/ 1000 V SINGLE CONDUCTOR SIZE	LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W						
	MM	IN	MM	IN	MM	IN	MM	IN	AWG/MCM	M	IN
0350**	8.9	0.35	3.0	0.12	1.8	0.07	3.5 - 8	.15 - .3	#14 - #10	1.2	48
0500**	13.0	0.51	4.1	0.16	2.4	0.08	4.5 - 11	.2 - .45	#8 - #6	1.2	48
0750	19.1	0.75	5.6	0.22	2.5	0.09	6.5 - 16.5	.25 - .65	#6 - #2	1.2	48
1100	27.9	1.10	8.9	0.35	3.0	0.12	10 - 24	.4 - .95	#1 - 3/0	1.2	48
1500	38.1	1.50	11.9	0.47	4.1	0.16	13 - 35	.5 - 1.4	2/0 - 350	1.2	48
2000	50.8	2.00	16.0	0.63	4.1	0.16	17.5 - 44	.7 - 1.75	250 - 500	1.2	48
2700	68.1	2.70	22.1	0.87	4.1	0.16	24 - 59	.95 - 2.3	600 - 1000	1.2	48
3500*	89.9	3.54	30.0	1.18	4.1	0.16	33 - 80	1.3 - 3.1	800 - 1250	1.2	48
4700*	119.9	4.72	39.9	1.57	4.2	0.17	44 - 104	1.75 - 4.1	1500 - 2500	1.2	48

\*FCFW 3500 and FCFW 4700 are not UL or CSA listed  
 \*\*Meets the material performance of MIL spec only



## ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
  - Colour: Black (BK) or Red (RD)
  - Printing: Printed or Unprinted
  - Adhesive Lining: Lined (D) or Unlined (U)
  - Lengths: 6, 9, 12 or 48 inches
- Please specify the product name, order reference number and options you require.
- Order Example: FCFW, 1500, black, unprinted, unlined, 48 in lengths

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