

Heavy wall crosslinked polyolefin

Heavy wall heat shrinkable tubing provides maximum reliability for insulating and protecting cable joints and terminations.



## Features and Benefits

- Withstands severe mechanical requirements of U.R.D., submersible and direct burial installations
- Except for clear or transparent tubing, all colors are UV resistant
- High impact, abrasion, corrosion and chemical resistance
- Optional thermoplastic adhesive liner for complete environmental protection and insulation
- Rated to 1000V
- Shrink ratio: 3:1
- Continuous operating temperature: -55°C to 110°C, cable emergency overload temperature to 130°C
- Shrink temperature: 120°C min.

## Standards

- UL 486D - UL file # E132914
- CSA C22.2 No. 198.2
- ANSI C119-1

- ICEA and NEMA insulation thickness requirements
- DIN EN 60684-3-247

## Typical Applications

- Strain relief and mechanical protection
- Insulation of primary low voltage cables

## 3:1

Shrink ratio

## -55°C - 110°C (-67°F to 230°F)

Continuous  
operating  
temperature

### Markets:

Industrial Construction, Automation, Mining, Transit, Utility, Power Distribution

### Standards:



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ORDER NUMBER	EXPANDED	RECOVERED		APPLICATION RANGE	DELIVERY UNITS
	INTERNAL DIAMETER (MIN) D	INTERNAL DIAMETER (MAX) D	TOTAL WALL THICKNESS (NOM) W	GENERAL USE	LENGTHS
	mm (in)	mm (in)	mm (in)	mm (in)	1.22 m (48 in) / 1 m (39 in)
0350	8.9 (0.350)	3.0 (0.118)	1.80 (0.071)	3.5 - 8 (0.15 - 0.3)	100
0500	13.0 (0.512)	4.1 (0.161)	2.40 (0.094)	4.5 - 11 (0.2 - 0.45)	75
0750	19.1 (0.752)	6.1 (0.240)	2.40 (0.094)	6.5 - 16.5 (0.25 - 0.65)	35
1100	27.9 (1.098)	8.9 (0.350)	3.00 (0.118)	10 - 24 (0.4 - 0.95)	75
1500	38.1 (1.500)	11.9 (0.469)	4.00 (0.157)	13 - 35 (0.5 - 1.4)	40
2000	50.8 (2.000)	16.0 (0.630)	4.10 (0.161)	17.5 - 44 (0.7 - 1.75)	25
2700	68.1 (2.681)	22.1 (0.870)	4.10 (0.161)	24 - 59 (0.95 - 2.3)	15
3500*	89.9 (3.539)	29.9 (1.181)	4.10 (0.161)	33 - 80 (1.3 - 3.1)	10
4700*	119.9 (4.720)	39.9 (1.571)	4.30 (0.169)	44 - 104 (1.75 - 4.1)	5
5100*	129.5 (5.098)	39.9 (1.571)	4.30 (0.169)	43 - 109 (1.7 - 4.3)	5
6000*	152.4 (6.000)	50.8 (2.000)	4.30 (0.169)	56 - 130 (2.2 - 5.1)	5
6700*	170.2 (6.701)	56.6 (2.228)	4.30 (0.169)	61 - 145 (2.4 - 5.7)	5

All colors except clear are UV resistant

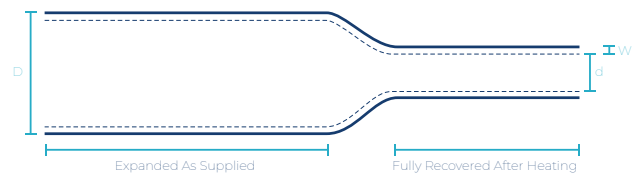
\*CFW sizes 3500 to 6700 are not UL or CSA listed.

## Ordering

Select a dimension which will shrink snugly over the application to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

- Select options:
  - Color: Black (BK) or red (RD)
  - Printing: Printed or unprinted
  - Adhesive lining: Lined (D) or unlined (U)
  - Lengths: 1 m or 1.22 m or 7.62 m spool on request (unlined only)
- Please specify the product name, order number and options you require
- Example: CFW, 1500, U, black, unprinted, 1.22 m 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.

## Technical data

PROPERTY	CURRENT VALUES	TEST METHODS
<b>MATERIAL</b>		
Material	PE, modified; lead and cadmium free	n/a
Surface	glossy	n/a
Specific gravity	1.1 g/cm <sup>3</sup> max.	IEC 60684-2
Shore D hardness	> 40	IEC 60684-2
Longitudinal shrinkage	-10% max.	IEC 60684-2
Shrink ratio	3:1	IEC 60684-2
<b>MECHANICAL</b>		
Tensile strength	>14.5 MPa	IEC 60684-2
Elongation	550%	IEC 60684-2
<b>THERMAL</b>		
Tensile strength after thermal ageing (168 hrs at 150°C)	12 MPa	IEC 60684-2
Elongation after thermal ageing (168 hrs at 150°C)	500%	IEC 60684-2
Brittleness temperature	-55°C	IEC 60684-2
Combustion behaviour	passed	MVSS 302
Shrink temperature	120°C	DSG-Canusa internal
Storage temperature	40°C max.	IEC 60684-2
Continuous operating temperature	-55°C to 110°C	IEC 60216
<b>CHEMICAL</b>		
Tensile strength after immersion in oil and gasoline (24h at 23°C)	> 10 MPa	IEC 60684-2
Elongation after immersion in oil and gasoline (24h at 23°C)	> 300 %	IEC 60684-2
Water absorption	< 0.2 %	IEC 60684-2
<b>ELECTRICAL</b>		
Dielectric strength	> 20 kV/mm	IEC 60684-2
Volume resistivity	10 <sup>16</sup> Ω x cm	IEC 60684-2
<b>PROPERTIES OF ADHESIVE: HOTMELT EVA</b>		
Softening point	100°C	ISO 11357-3
Low temperature flexibility	-20°C	IEC 60684-2
Corrosion	non corrosive	IEC 60684-2

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