



Cross Reference	
WCSM, SST, RHW	Raychem/Tyco
CFW	DSG-Canusa
ITCSN	3M



# UPHW-A

## UNION POLYMER HEAVY WALL POLYOLEFIN - ADHESIVE LINED



 	<b>Heat shrink ratio: 3 to 1</b>
	<b>UL 486D listed, File no. E354671</b>
<b>Cross-linked heavy wall tubing, adhesive-lined</b>	

### FEATURES AND APPLICATIONS

- Heavy wall cross-linked polyolefin withstands severe mechanical requirement of submersible and direct burial installations
- Provides strain relief and mechanical protection
- Adhesive liner provides complete sealing and insulation of low voltage cables (1kV)
- RoHS compliant
- Standard color: Black, Red is available on request
- Operating temperature: -55°C to 105°C; Shrink temperature: 135°C

### DIMENSIONS (HEAT SHRINK RATIO 3:1)

Product Order Number	Internal Diameter As Supplied		Internal Diameter Recovered		Wall Thickness (Nominal) Recovered	
	inch	mm	inch	mm	inch	mm
UPHW-A-0350-9/3	0.35	9.0	0.12	3.0	0.08	2.0
UPHW-A-0500-12/4	0.47	12.0	0.16	4.0	0.08	2.0
UPHW-A-0750-19/6	0.75	19.0	0.24	6.0	0.11	2.7
UPHW-A-1100-28/6	1.10	28.0	0.24	6.0	0.12	3.1
UPHW-A-1300-33/8	1.30	33.0	0.31	8.0	0.12	3.1
UPHW-A-1500-40/12	1.57	40.0	0.47	12.0	0.14	3.6
UPHW-A-1700-45/12	1.77	45.0	0.47	12.0	0.14	3.6
UPHW-A-2150-55/16	2.17	55.0	0.63	16.0	0.16	4.0
UPHW-A-2500-65/19	2.56	65.0	0.75	19.0	0.16	4.0
UPHW-A-2950-75/22	2.95	75.0	0.87	22.0	0.16	4.0
UPHW-A-3300-85/25	3.35	85.0	0.98	25.0	0.16	4.0
UPHW-A-3700-95/29	3.74	95.0	1.14	29.0	0.16	4.0
UPHW-A-4500-115/34	4.53	115.0	1.34	34.0	0.17	4.3
UPHW-A-5100-130/36	5.12	130.0	1.42	36.0	0.17	4.3
UPHW-A-6300-160/50	6.30	160.0	1.97	50.0	0.17	4.3
UPHW-A-7000-180/50	7.09	180.0	1.97	50.0	0.17	4.3

Standard length: 4 FT (1.22 meter). Customized lengths are available on request.

## TECHNICAL DATA

	Property	Test method	Values
<b>Physical</b>	Tensile strength	ASTM D2671	≥12 MPa
	Breakdown elongation	ASTM D2671	≥400%
Aging (150°C/168hrs)	Tensile strength	ASTM D2671	≥12 MPa
	Breakdown elongation	ASTM D2671	≥350%
	Water absorption	ASTM D570	≤0.5%
	Density	ASTM D2671	1.05~1.10
	Low temperature flexibility(-55°C/4hrs)	ASTM D2671	No cracking
	Heat shock (200°C/4hrs)	ASTM D2671	No drop, No flow
	Hardness(Shore D)	ASTM D2671	≥48 HD
	Adhesive softening point	ASTM E28	≥85°C
	Adhesive peel strength to XLPE	ASTM D2671	110 N/25cm
	Adhesive peel strength to steel	ASTM D2671	80 N/25cm
<b>Electrical</b>	Volume resistivity	ASTM D2671	≥10 <sup>14</sup> Ω.cm
	Dielectric strength	ASTM D2671	≥15 KV/mm
<b>Chemical</b>	Fungus resistance	ASTM G21	No growth
	Copper corrosion	ASTM D2671	No corrosion

## ORDERING

Please specify: (1) Product Order Number

(2) Color

(3) Length

(4) Quantity in pieces, and

(5) Printing options (Standard Union Polymer mark, Customized mark, or Unprinted)

**Order Example:** UPHW-A-1500-40/12, Black, 4 FT, 2000 pieces, Unprinted

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*Once a purchase order is received*

*Order confirmation will be sent from Union Polymer within 12 hours*

*All in-stock products will be shipped from our Ohio warehouse within 48 hours*