



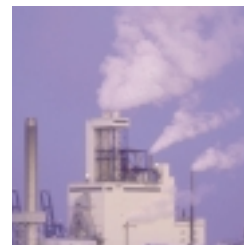
ELECTRICAL
MECHANICAL
INSULATION

CSANUSA



Heavy Wall, High Ratio
Crosslinked Polyolefin Tubing

CFHR



CFHR

High Ratio Heat Shrinkable Tubing accommodates extreme differences between cables, connectors and backshells

Features

- 6:1 Shrink ratio
- Accommodates a wide variety of connector shapes and configurations
- Optional Thermoplastic Adhesive Liner for complete environmental protection and insulation
- Available in 25 feet reels
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C



Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D412, ISO 037	2100 psi (14.5 MPa)
Elongation	ASTM D412, ISO 037	600%
Elongation after Heat Aging (168hrs at 150°C)	ASTM D2671	500%
Heat Shock (4hrs at 225°C)	ASTM D2671	No cracking or flowing
Longitudinal Change	ASTM D2671	+1%, -10%
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking
Specific Gravity	ASTM D792	1.10
Hardness (Shore D)	ASTM D2240	50D

Electrical

Dielectric Strength	ASTM D149, IEC 243	500 V/Mil (20 kV/mm)
Dielectric Voltage Withstand (2500 V, 60Hz, 1min)	UL 486D	No Breakdown
Volume Resistivity	ASTM D257	10 ¹⁶ ohm-cm

Chemical

Fluid Resistance	MIL-DTL-23053	Good to Excellent
Fungus Resistance	ASTM G21	No Growth
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.1%

Adhesive

Adhesive Lap Shear (1in./min at 23°C)	ASTM D1002	125 psi (.875 MPa)
Adhesive Softening Point	ASTM E28	92°C/-5°C
Adhesive Peel Strength (300mm/min at 23°C)	ASTM D1000	
- to steel, aluminum, P.E.		35 pli
- PVC		20 pli
Adhesive Blocking (30°C)	ASTM D1146	No Blocking
Water Penetration	STM 706	No penetration after 236 hrs. of continuous immersion

CANUSA

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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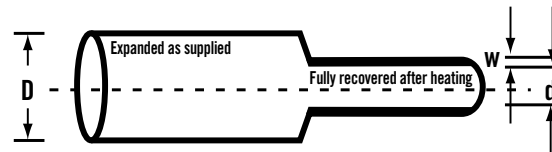
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WORLDWIDE WEB: www.canusa-emi.com

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Dimensions

ORDER REF. NO. METRIC IMPERIAL	EXPANDED				RECOVERED				STANDARD LENGTHS	IMPERIAL	
	INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)		WALL THICKNESS (MIN)		METRIC	METRIC			
XXXX YYYY	mm	D	IN	mm	d	IN	mm	w	IN	AA	BB
0190 0750	19.0	0.750	3.2	0.125	3.2	0.123	15cm, 30cm, 121 cm, 7.6 m			6", 12", 48", 25'	
0330 1300	33.0	1.300	5.5	0.220	3.4	0.135	15cm, 30cm, 121 cm, 7.6 m			6", 12", 48", 25'	
0444 1750	44.4	1.750	7.4	0.290	3.6	0.140	15cm, 30cm, 121 cm, 7.6 m			6", 12", 48", 25'	
0508 2000	50.8	2.000	8.3	0.330	4.3	0.170	15cm, 30cm, 121 cm, 7.6 m			6", 12", 48", 25'	
0698 2750	69.8	2.750	11.7	0.460	4.8	0.190	15cm, 30cm, 121 cm, 7.6 m			6", 12", 48", 25'	
0889 3500	88.9	3.500	17.1	0.673	4.3	0.170	15cm, 30cm, 121 cm, 7.6 m			6", 12", 48", 25'	
1194 4700	119.4	4.700	22.9	0.900	4.8	0.190	15cm, 30cm, 121 cm, 7.6 m			6", 12", 48", 25'	



Ordering

Select a dimension 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:

Order Ref. No. Options
CFHR - XXXX - CC - OO - AA - M
 Color Standard Length

To Order in Imperial Units:

Order Ref. No. Options
CFHR - YYYY - CC - OO - BB - I
 Color Standard Length

Standard Colors (CC)

Order Code	Color
BK	BLACK

* For additional colors please see price list.

Options (OO)

	Lined	Unlined
Unprinted	00	01
Printed	02	03

Lengths: Also available on continuous 25 ft. (7.6m) reels uncoated.

Note: Non-standard colors, sizes and lengths available subject to factory quotation. **REV 2**