ELECTRICAL
MECHANICAL
INSULATION

CANUSA EMI

3:1 STANDARD SHRINK RATIO

Medium Wall Crosslinked Polyolefin End Cap

CCAP




CCAP

Heat Shrinkable End Caps are a simple yet effective method for sealing cable ends, pipe, conduit, or other similar objects

Features

- **Superior resistance to weathering, moisture contamination and adverse environmental conditions**
- **Rated from 600/1000V, 90°C continuous use**
- **Resistant to common fluids and solvents**
- **Optional Adhesive Liner provides complete environmental protection and insulation**
- **Heat indicating lines**
- **Valved end cap available for pressurized applications**
- **Continuous operating temperature: -55°C to 110°C**
- **Shrink temperature: 120°C**

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Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5 MPa)
Elongation	ASTM D412, ISO 37	550%
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 (4 hrs at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D
Seal Integrity		
Room Temperature (23°C)	168hrs/40	No leaks
Temp. Cycling (-40°C to 60°C)	50 cycles/15psi	No leaks
Burst Pressure		100 psi (0.70 MPa)
Adhesive softening point	ASTM E28	92°C +/- 5°C
Adhesive peel strength (300mm/min at 23°C)	ASTM D1000 (mod.)	
- to steel, alum, P.E.		35 pli
- to PVC		20 pli
Adhesive Lap Shear (1in./min at 23°C)	ASTM D1002	130 psi (0.91 MPa)
Adhesive Blocking (30°C)	ASTM D1146	No blocking
Water Penetration	STM-706	No penetration after 236 hrs. (min) of continuous immersion.
Electrical		
Dielectric Strength	ASTM D149	500 V/Mil (20 kV/mm)
Dielectric Voltage Withstand 2500 V, 60 Hz., 1 min.	UL 486D	No Breakdown
Volume Resistivity	ASTM D257	10^{16} 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

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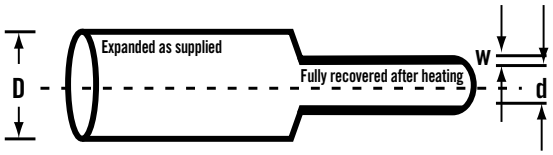
Dimensions

ORDER REF. NO. METRIC	ORDER REF. NO. IMPERIAL	NOMINAL LENGTH (1) EXPANDED AA mm	AA IN	NOMINAL LENGTH (2) RECOVERED BB mm	BB IN	EXPANDED INTERNAL DIAMETER (MIN) D mm	D IN	RECOVERED INTERNAL DIAMETER (MAX) d mm	d IN	RECOVERED WALL THICKNESS (NOM) w mm	w IN	GENERAL USE DIAMETER mm	GENERAL USE DIAMETER IN	CABLE RANGE AWG/MCM
XXXX	YYYY													
0102	0400	76.2	3.0	63.5	2.50	10.2	0.40	3.8	0.15	2.0	0.080	4.5-8.5	0.18-.34	#8-#1
0191	0750	88.9	3.5	63.5	2.50	19.1	0.75	5.6	0.22	2.0	0.080	6.0-16.5	0.24-.65	#2-4/0
0279	1100	101.6	4.0	76.2	3.00	27.9	1.10	10.2	0.40	2.0	0.080	11.5-25	0.45-1.0	2/0-500
0330	1300	101.6	4.0	76.2	3.00	33.0	1.30	10.2	0.40	2.0	0.080	11.5-30	0.45-1.2	300-1000
0381	1500	114.3	4.5	82.5	3.25	38.1	1.50	12.7	0.50	2.0	0.080	14.0-35	0.55-1.4	500-1500
0432	1700	114.3	4.5	82.5	3.25	43.2	1.70	12.7	0.50	2.0	0.080	14.0-40.0	0.55-1.6	650-1750
0521	2050	114.3	4.5	88.9	3.50	52.1	2.05	19.0	0.75	2.0	0.080	21.0-45.0	0.82-1.8	900-2500
0699	2750	127.0	5.0	101.6	4.00	69.8	2.75	25.4	1.00	2.0	0.080	30.0-63.0	1.2-2.5	2000-2500
0889	3500	127.0	5.0	114.3	4.50	88.9	3.50	30.0	1.18	2.4	0.095	33.0-83.8	1.3-3.3	
1194	4700	165.1	6.5	139.7	5.50	119.4	4.70	39.9	1.57	2.7	0.105	40.6-114.3	1.6-4.5	

Note: (1) Length is measured from shoulder to open end of cap
(2) Recovery dimensions +/-0.25"



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:

CCAP - XXXX - CC - OO - AA - M
(Order Ref. No. = XXXX; Options = OO; Color = CC; Standard Length = AA)

To Order in Imperial Units:

CCAP - YYYY - CC - OO - BB - I
(Order Ref. No. = YYYY; Options = OO; Color = CC; Standard Length = BB)

Standard Colors (CC)

Order Code	Color
BK	BLACK

* For additional colors please see price list.

Options (OO)

	Lined	Unlined	Valved
Unprinted	00	01	02
Printed	03	04	05

Standards: Rated for 600/1000V , 90°C continuous use.

Note: Non-standard colors, sizes and lengths available subject to factory quotation. REV 1