

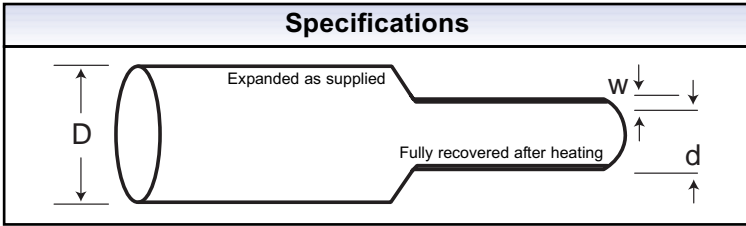
CCAP - Medium Wall Crosslinked Polyolefin

Features

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

Ordering Guidelines

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.



Part Number	Nominal		Expanded		Recovered			General Use Diameter		Cable Range			
	Length (1) Expanded	Length (2) Recovered	Internal Diameter (min)	Internal Diameter (max)	Wall Thickness (nom)	mm	IN	mm	IN				
CCAP-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
CCAP-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
CCAP-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
CCAP-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
CCAP-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
CCAP-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
CCAP-2050	114.3	4.5	88.9	3.50	52.1	2.05	19.0	0.75	2.0	0.080	21.0-45.5	0.82-1.8	900-2500
CCAP-2750	127	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
CCAP-3500	127	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	-
CCAP-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	-

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%
Elongation after heat aging (168 hours at 175°C)	ASTM D2671	500%
Specific Gravity	ASTM D792	1.1
Heat shock (4 hours at 225°C)	ASTM D2671	No cracking or flowing
Low temperature flexibility (4 hours at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D
Seal Integrity Property	Test Method	Typical Performance
Room Temperature (23°C)	168 hrs/40	No leaks
Temperature Cycling (-40°C to 60°C)	50 cycles/15psi	No leaks
Burst Pressure	-	100 psi (0.70 MPa)
Adhesive peel strength (300mm/min at 23°C) -to steel, aluminum, P.E.	ASTM D1000 (mod.)	35 pli
Adhesive peel strength (300mm/min at 23°C) -to PVC	ASTM 1000	20 pli
Adhesive Lap Shear (1 in./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 of continuous immersion.
Electrical Property	Test Method	Typical Performance
Dielectric Strength	ASTM D149	500 V/Mil (20kV/mm)
Dielectric Voltage Withstand (2500V, 60Hz, 1 min.)	UL 486D	No breakdown
Volume Resistivity	ASTM D257	10 ¹⁶ ohm-cm
Chemical Property	Test Method	Typical Performance
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

