A division of CSA Technical Solutions, LLC
1980 NW 44th St Deerfield Beach, FL 33064
Phone 954-978-0056 **Fax** 888-617-2010
www.BuyHeatShrink.com

Polyolefin Heat Shrink End Caps

With their very heavy wall, adhesive lining, and high voltage rating, Heat Shrink End Caps are a great way to seal the ends of power and communications cables. They are used to form a pressure-tight seal on the end of the cable, and can be applied quickly and easily using a heat gun, or a flameless torch.

How often do you have loose wires or other items that do not connect to something (i.e. with exposed ends)?. These items need to be protected as well as surrounding wires may need to be protected from them. Shrinking end caps are the perfect solution! These end caps shrink to fit and seal the termination point of your cables, wires, tubes, pipes etc. and help to prevent corrosion, moisture and chemical damage as well as abrasion. If you need a true watertight seal, then the adhesive lining heat shrink end caps can make a watertight seal. The adhesive lining is activated upon the heat shrinking of the cap and then it bonds with the wire/cable enclosure as it cools allowing for this super tight seal. These heat shrink end caps are available in many sizes to suit most needs. Applications for these heat shrink end caps include fiber optic cable and electrical wire sealing, automotive, generators and even aerospace. These end caps have high di-electric insulating and sealing properties.

This high abrasion product exceeds Military Mil-I-81765/1A specification.

The ideal heat shrink temperature for our heat shrink end caps is around 275°F (135°C). To apply the end cap, follow these instructions:

1. make sure the cable lead or wire is clean and free of debris
2. Place the end cap over the wire end and start heating it from the closed end.
3. Work your way towards the open end, evenly shrinking all around the cap.
4. Continue until the adhesive lining begins to seep out the open end.

Features

- Dual wall end cap, with internal wall of hot-melt adhesive provides excellent bonding to plastic and metals.
- Forms pressure-tight seal on ends of communication and power cables
- Shrink temperature of 120-135C
- Continuous use temperature of up to 110C
- 15 kV/mm (381 V/mil) minimum electric strength (e.g. 0.12"=120 mil=45kV)
- 3 to 1 shrink ratio, so only 6 sizes are needed to cover a range of 0.16" to 5"
- Adhesive lining will prevent moisture penetration, allowing for long term storage of cable

Dimension

Internal PN	Description	Size Before Shrinking			Size After Shrinking	
		Nominal	ID Min	Length	ID Max	Wall Thickness
HSEC-0125	1/8” Raychem PD end cap	1/8”	0.125	0.87	0.023	0.48
HSEC-0188	3/16” Raychem PD end cap	3/16”	0.187	1.00	0.060	0.062
HSEC-025	1/4” Raychem PD end cap	1/4"	0.250	1.12	0.080	0.078
HSEC-0375	3/8” Raychem PD end cap	3/8”	0.39	1.34	0.16	0.08
HSEC-050	1/2"	1/2"	0.55	1.77	0.18	0.08
HSEC-100	1”	1”	1.00	2.76	0.31	0.09
HSEC-150	1-1/2”	1-1/2”	1.38	3.35	0.59	0.12
HSEC-200	2”	2”	2.17	4.33	1.00	0.13
HSEC-300	3”	3”	2.95	5.12	1.38	0.14
HSEC-400	4”	4”	3.94	6.10	1.97	0.16
HSEC-500	5”	5”	4.72	6.10	2.36	0.16

Properties

Property	Test Method	Values
Operating Temperature Range	N/A	-55C to 110C
Shrink Temperature	N/A	120C
Tensile Strength	ISO 37	14 Mpa minimum
Ultimate Elongation	ISO 37	400% minimum
Specific Gravity	ISO 1183	1.95 maximum
Electric Strength	IEC 243	15KV/mm minimum
Corrosion (Copper Contact and Copper Mirror)	ASTM D2671	No Corrosion
Water Absorption	ISO 62	0.5% maximum
Fluid Resistance • Gasoline • Lubricating Oil • Hydraulic Fluid • Water	ISO 1817	No Degradation
Fungus Resistance	ISO 846	No Fungal Growth