



Heat Shrinkable Adhesive Lined Cable End Caps

Heat Shrinkable Cable End Caps are used for sealing the ends of cables and ropes to protect from moisture, weathering, contamination, and fraying ends. Heat shrinkable end caps are adhesive lined, have a 3 : 1 shrink ratio and are commonly used to seal and protect cable ends for cables up to 1kV as well as telecommunication cables. These end caps are lined with a thick layer of hot-melt adhesive that flows when heated, bonding the cap to the cable, and forming a seal. The caps are UV stable and exhibit excellent resistance to chemicals and other media. They also provide good electrical insulation properties and perform in a broad temperature range. They will generally be used during the construction of plants, factories, and other buildings or during the manufacture of machinery to protect cable ends while they are in storage or while being laid to shield from weathering influences, corrosion of the core wire, or other direct damage and soiling.

Technical Data:

Property:	Typical Value:	Test Method:
Shrink Ratio	3 : 1	---
Hardness	45 ± 10 Shore D	ASTM D2240
Temperature Range	-40 to 100°C continuous	IEC 216
Tensile Strength	14 N/mm ²	ASTM D638
Elongation at Break	350%	ASTM D638
Water Absorption	<0.15% max	ASTM D570
Accelerated Aging	120°C, 500 hours	ASTM D2671
Tensile Strength after Aging	11 N/mm ²	ASTM D638
Elongation at Break after Aging	300%	ASTM D638
Heat Shock at 200°C, 4 hours	No cracking, dripping, or flowing	ASTM D2671
Chemical Resistance	Good	---
Copper Corrosion	Good	ASTM D2671 B
Fungus Resistance	Rate 1	ISO 846 Method A
Dielectric Strength	>12 kV/mm	ASTM D2671 B
Dielectric Constant	5.0 max	ASTM D150
Volume Resistance	10 ₁₄ Ohm/cm	ASTM D257

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Important
This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.



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Specifications:

- Products conform and are tested to: BS, IEC, VDE, DIN and ASTM
- Certified to: BS 6910, Part 1, 1988

Application:

The end caps must first be exposed to a significant heat source. A heat gun is recommended so that you can apply the correct amount of heat without melting the caps. Start at the closed end and move towards the open end once shrinking. You will find that once exposed to the heat, the caps will quickly shrink and the glue will run, filling the gaps, and creating the air and water-tight seal. You may see a small bit of glue come from the end, this indicates a good seal.

Availability:

Heat Shrink Cable Ends are available to suit cables ranging from 2mm to 158mm diameter.

Associated Gaskets stocks a large range of specialised electrical products such as varnish, consumables, and rigid & flexible insulation materials. For more information on these products and many more, please visit our website or call your nearest AG branch.



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