

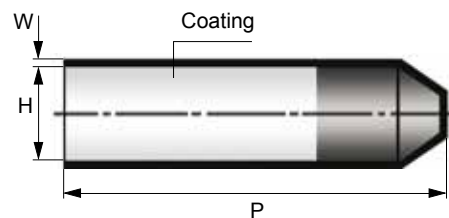
Heat-shrinkable cable caps

Wherever power cables are transported or installed, electrical engineers must deal with the risk of moisture and contamination. The methods used to reduce these risks are often as long-established as cable technology itself.

However, even the most tried and tested engineering practices can suddenly be rendered obsolete by new technological advances. Cable caps made of heat-shrinkable materials provide a simple and reliable solution to the problem of protecting and sealing cable ends.

During the application of heat shrinking, a special adhesive is released which bonds to the cable providing a high integrity moisture seal.

Cable caps, however, are far more than just an exceptionally effective sealing system. The materials used ensure that these crosslinked polymer products also provide high-quality electrical insulation while at the same time resisting abrasion, weathering and chemical attack.



Material Properties		Test Method	Requirement
Tensile Strength		ISO 37	12 MPa min.
Ultimate Elongation		ISO 37	200% min.
Density		ISO 1183/3 Method A	0.9 - 1.2 g/cm ³
Hardness		ISO 868	50 - 70 Shore D
Accelerated Ageing	7 days at 150°C ±2%	ISO 188	
Ageing	Tensile Strength	ISO 37	12 MPa min.
	Ultimate Elongation	ISO 37	200% min.
Low Temperature Flexibility	4 h at -40°C ±3°C	ASTM D2671 Procedure C	no cracking
Water Absorption		ISO 62 Method 1	0.5% max. at 23°C ± 2°C after 24 hours
Weathering	The material contains carbon black for protection against UV radiation.		

Ordering Information

Cap Type	Diameter H		Length P +15/-10%	Thickness W ± 20%
	min. delivered	max. shrunked		
102L011/S	10	4.0	38	2.0
102L022/S	20	7.5	55	2.8
102L027/S	29	13.0	93	2.5
102L033/S	35	15.0	90	3.2
102L044/S	55	25.0	143	3.9
102L048/S	75	32.0	150	3.3
102L050/S	93	38.0	142	4.4
102L055/S	100	45.0	162	3.8
102L066/S	120	70.0	145	3.8

Notes : Dimensions in millimeters

Material

Cable caps are made from materials specially designed for sealing applications for all commonly used cable types and cable sheath materials.

Coating

The adhesive can be used on plastic, rubber and paper insulated cables.