



Technical Information

Heat Shrinkable Moulded Parts 3M™ SKE 4-Way Cable Breakouts



Description

3M Cable End Caps and 3-, 4-Way Breakouts are designed for a quick and easy insulating and sealing of cable end or crotches and provide resistance to abrasion, weathering and chemical attack. Each Heat Shrink part will cover a wide range of sizes and different kind of cables.

Technical Information

These parts are made from semi-rigid, cross-linked modified polyolefin material, which is internally coated with hot melt adhesive. On application of heat the adhesive melts and the part shrinks forming a perfect watertight seal.

They can be used for insulating/sealing of cable crotches for indoor and outdoor application.

Dimensions

Product Description	Application Range	Ø Neck Exp.	Ø Neck Recov.	Ø Finger Exp.	Ø Finger Recov.	Length Recov.	Wall Thickness Neck Recov.	Wall Thickness Finger Recov.
	mm ²	mm	mm	mm	mm	mm	mm	mm
SKE 4F/1+2	4 - 35	35	15	15	04	100	3.8	1.8
SKE 4F/3+4	25 - 150	57	23	30	06	170	4.0	3.0
SKE 4F/5	120 - 400	95	36	38	14	220	3.5	2.5

Material Characteristic

Physical Properties	Value	Test Method
Density	1.05 ± 0.2 g/cm ³	ASTM D-1505/D=M/V
Hardness	45 ± 3 shore D	ASTM D-2240
Tensile strength	10 N/mm ²	ASTM D-412 / ISO 37
Ultimate elongation	300 %	ASTM D-412 / ISO 37
Water absorption	0.15 %	ASTM D-570 / ISO 62
Longitudinal Shrinkage	10 %	-
Recovery Temperature	120 °C	IEC - 216
Peel strength	100 N/25 mm	Rolling Drum method
Thermal Tests		
Operating temperature range	- 30 °C, + 135 °C	DIN 53 466
Thermal Ageing (150 °C for 168 hrs)		
Tensile strength	8 N/mm ²	ASTM D-412 / ISO 37
Ultimate elongation	200 %	ASTM D-412 / ISO 37
Flammability	Not self extinguishing	ASTM D 876
Low Temperature Flexibility	- 40 °C	ASTM D 2671C
Electrical Properties		
Volume resistivity	1 x 10 ¹³ Ohm-cm	ASTM D-257 / IEC 93
Dielectric strength	10 kV/mm	ASTM D-149 / IEC 243
Chemical Properties		
Corrosion	None	ASTM D 2671
Resistance to fungus & decay	Rate 1	ISO 846 Method A



Electrical Markets Division

Carl-Schurz-Straße 1
 41453 Neuss
 Tel.: +49 (0)2131/14-3574
 Fax.: +49 (0)2131/14-2302
 Email: 3MElektro.de@mmm.com
 Internet: www.3M-Elektro.de

Please recycle. Printed in Germany.
 © 3M 2008. All rights reserved.
 18.02.2008 Ausgabe 1