



Data Sheet

Heat Shrinkable Moulded Parts
3M™ SKE 3-Way Cable Breakouts**REACH**
1907/2007/EC

Description

3M Cable End Caps and 3-, 4-Way Breakouts are designed for quick and easy insulation and sealing of cable end or crutches, 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.

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Technical Information

These parts are made from semi-rigid, cross-linked modified polyolefin material, which is internally coated with hot melt adhesive. The materials used are halogen free.

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 crutches for indoor and outdoor applications.

Dimensions

Product Description	Application Range on LV cable	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 3F/1-1.5	6 - 16	25	09	09	03	70	2.5	1.8
SKE 3F/2	10 - 50	35	15	13	04	100	2.5	1.8
SKE 3F/4	50 - 150	55	23	30	08	170	3.5	2.7
SKE 3F/5	185 - 400	110	35	50	17	215	3.5	3.5
SKE 3F/6	-	110	35	50	17	215	3.5	3.5
SKE 3F/7	-	150	56	64	28	260	3.5	3.5

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Material Characteristics

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

The above figures are average values, established to our best knowledge, but not to be used for specification purpose.

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