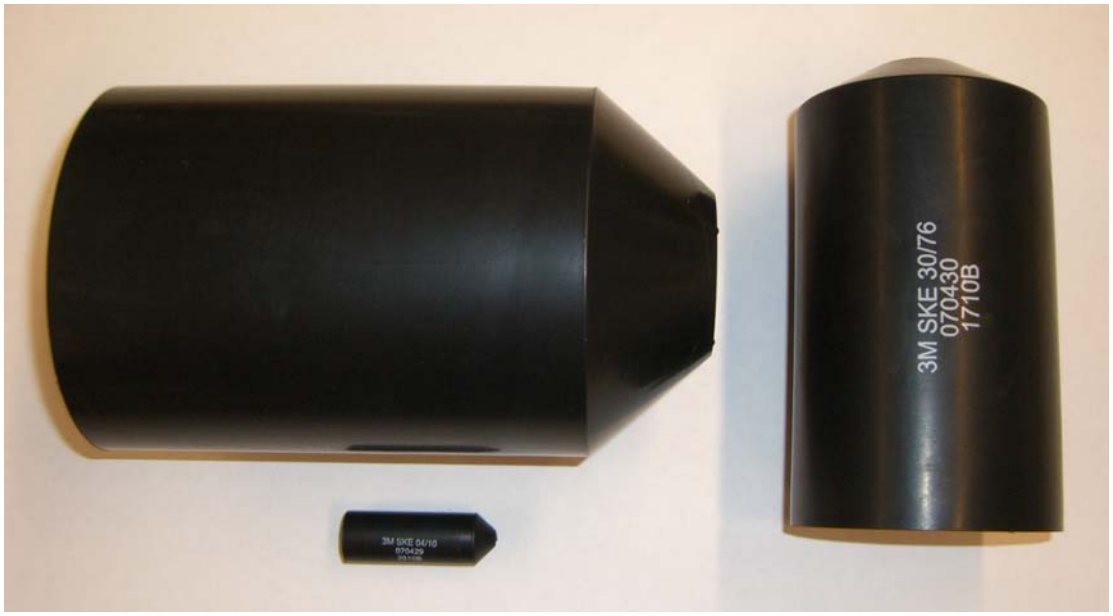
Data Sheet

RoHS
2002/95/EC
REACH
1907/2007/EC

Heat Shrinkable Moulded Parts
3M™ SKE End Caps



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.

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 ends for indoor and outdoor applications.

Dimensions

Product Description	Application Range	Ø Exp.	Ø Recov.	Length Recov.	Wall Thickness Recov.
	mm	mm	mm	mm	mm
SKE 4/10	4 - 8	10	4	40	2.5
SKE 8/20	8 - 16	20	8	65	2.5
SKE 15/40	15 - 32	40	15	105	3.0
SKE 25/63	25 - 51	63	25	160	4.5
SKE 30/76	30 - 61	76	30	140	4.5
SKE 45/100	45 - 80	100	45	160	4.0
SKE 63/158	63 - 126	158	63	190	4.0

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

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

3M

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03.02.2010 Issue 02