

# Conductive End Cap



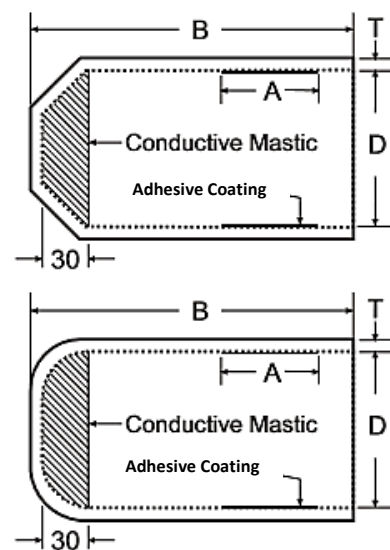
## ECC

Conductive End Caps perform the same function as a standard insulating end cap, but with added feature of neutralising any potential induced voltages from nearby live power cables.

The caps are lined with a hot melt adhesive to provide a moisture tight seal and also conductive mastic coating in the base of the cap. The end cap is made from thermally stabilised, cross linked semi-conductive polymer and is suitable for use in temperatures between -30°C and +110°C, and with internal pressures up to 0.05MPa.



MATERIAL SPECIFICATIONS		
CHARACTERISTIC	VALUE	TEST METHOD
<b>Physical Properties</b>		
Specific Gravity	1.01 ± 0.2	ASTM D - 1505
Water Absorption	1% (max)	ASTM D - 570/ ISO 62
Tensile Strength	12 N/sqmm (min)	ASTM D - 412 / ISO 37
Ultimate Elongation	300% (min)	ASTM D - 412 / ISO 37
Hardness	40 ± 3 Shore D	ASTM D - 2240
<b>Thermal Ageing Tests (120°C for 500 hours)</b>		
Ultimate Elongation	250% (min)	ASTM D - 412 / ISO 37
Tensile Strength	10 N/sqmm (min)	ASTM D - 412 / ISO 37
<b>Electrical Properties</b>		
Volume Resistivity	1x10 <sup>6</sup> Ohm-cm (max)	ASTM D - 257 / IEC 93



\*Drawing shows typical parts

PRODUCT DIMENSIONS – ECC Series					
Code	Ø max-min Application Range	ØE Expanded	ØR Recovered	L Length Recovered*	T Thickness Recovered
	mm	mm	mm	Min (mm)	mm (+/-20%)
ECC/042/15/105	15 – 38	42	15	105	3.2
ECC/055/25/145	25 – 50	55	25	145	3.2
ECC/075/34/160	34 – 70	75	34	160	3.5
ECC/105/45/160	45 – 100	105	45	160	3.5

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