

# Conductive End Cap



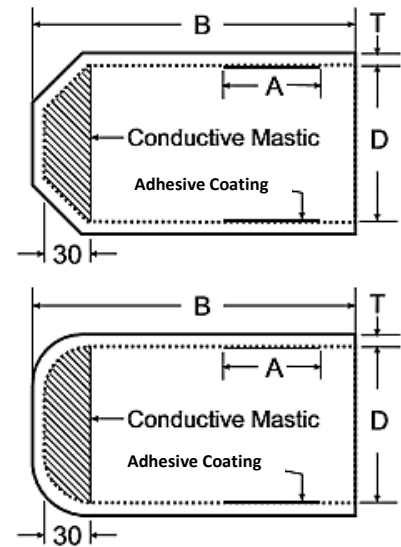
## ECC

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	Application Range	Diameter D		Length B		A	LC	T
		E	S	E	S	E	S	S
	mm	Min (mm)	Max (mm)	Min (mm)	Max (mm)	mm	%	mm (+/-20%)
ECC 14/4-40	5-13	14	4.5	45	40	15	+/-10	2.5
ECC 14/4-60	5-13	14	4.5	65	60	25	+/-10	2.5
ECC 16/6-45	7-14	16	6	50	45	15	+/-10	2.5
ECC 24/8-45	9-22	24	8	50	45	15	+/-10	2.8
ECC 24/8-45	9-22	24	8	70	65	20	+/-10	2.8
ECC 35/15-105	17-32	35	15	110	105	35	+/-10	3.2
ECC 35/15-160	17-32	35	15	170	160	50	+/-10	3.2
ECC 40/17-105	19-36	40	17	110	105	35	+/-10	3.2
ECC 40/17-160	19-36	40	17	170	160	50	+/-10	3.2
ECC 55/26-105	28-50	55	26	110	105	35	+/-10	4.2
ECC 55/26-135	28-50	55	26	145	135	50	+/-10	4.2
ECC 55/26-160	28-50	55	26	170	160	70	+/-10	4.2
ECC 62/25-105	28-56	62	25	110	105	35	+/-10	4.2
ECC 62/25-160	28-56	62	25	170	160	70	+/-10	4.2
ECC 75/34-105	37-68	75	34	120	105	100	+/-10	3.5
ECC 75/34-190	37-68	75	34	220	190	100	+/-10	3.5
ECC 105/45-105	50-95	105	45	120	105	70	+/-10	3.5
ECC 105/45-160	50-95	105	45	175	160	70	+/-10	3.5

**\*Key:**

E – As Supplied | S – After Free Recovery | LC – Longitudinal Change

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