



Insulcap is used to seal the ends of all types of Cables & protect from ingress of water / moisture. The caps are manufactured from high quality cross linked polyolefin material compatible with most commonly used Cable Jackets i.e. XLPE, PVC, PILC OR Rubber Sheathed Cable.

Hot Melt adhesive lining provides permanent seal on irregular cable sheaths.

Excellent resistance to weathering, moisture, contamination and adverse environmental conditions, according to IP 68 (Ingress Protection.)

- Tamper Proof Application :  
Custom Logo / Print with special non-removable Ink marks permanent seal in End Cap after shrinking, thereby avoiding claims in case of Pilferage of Cable length.
- Valved End caps (v) available for pressurized application for Telecom cables.
- Special Relief valved End Caps (RV) available for degassing application in High Voltage Power cables.
- Live End Cap Kit available for sealing Live Cables.
- Conductive End Caps are available with Conductive Mastic.

### Technical Qualification Report : QR 1011

#### Technical Specification

PROPERTIES	VALUE	STANDARD
<b>Physical</b>		
Tensile Strength	12 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D638
Ultimate Elongation	350% (min.)	ASTM D638
Density	1.05 ± 0.2 gm/cm <sup>3</sup>	ASTM D792
Hardness	45 ± 10 Shore D	ASTM D2240
Water Absorption	0.2% (max.)	ASTM D570
<b>Thermal</b>		
Accelerated Ageing	(120°C for 500 hrs.)	ASTM D2671
Tensile Strength	11 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D638
Ultimate Elongation	300% (min.)	ASTM D638
Low Temperature Flexibility	No Cracking	ASTM D2671
(-40°C for 4 hrs.)		
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40°C to +100°C	IEC 216
<b>Electrical</b>		
Dielectric Strength	12kV/mm. (min.)	ASTM D149
Volume Resistivity	1 x 10 <sup>14</sup> Ohm.cm (min.)	ASTM D257
Dielectric Constant	5 (max.)	ASTM D150

Selection Chart					All dimensions are in mm
Code No.	Ds (Min.)	Df (Max.)	Ls (Min.)	Tf (±10%)	Cable Range
GEC 001 S	6	2	25	2.0	2.5 - 4
GEC 001 SA *	8	2	25	2.0	2.5 - 6
GEC 001	12	4	40	2.3	5 - 8
GEC 001L	12	4	58	2.3	5 - 8
GEC 001 A	14	4	40	2.3	5 - 11
GEC 001 AL	14	4	58	2.3	5 - 11
GEC 101	20	7.5	55	2.3	10 - 16
GEC 101 L	20	8	75	2.5	10 - 16
GEC 101 A	25	8	55	2.3	10 - 20
GEC 101 AL	25	8	75	2.5	10 - 20
GEC 102	30	11	75	2.5	13 - 26
GEC 102 L *	30	11	110	2.5	13 - 26
GEC 102 A	35	11	75	2.5	13 - 30
GEC 102 AL *	35	11	115	2.5	13 - 30
GEC 201	40	15	90	3.3	17 - 35
GEC 201 L	40	15	120	3.3	17 - 35
GEC 201 A	45	15	90	3.3	17 - 40
GEC 201 AL	45	15	120	3.3	17 - 40
GEC 301	55	25	125	3.5	30 - 47
GEC 301 L	55	25	170	3.5	30 - 47
GEC 301 A	63	25	125	3.5	30 - 55
GEC 301 AL	63	25	170	3.5	30 - 55
GEC 401	75	35	140	4.0	42 - 68
GEC 401 L	75	35	180	4.0	42 - 68
GEC 401 A	85	36	140	4.0	42 - 78
GEC 401 AL	85	35	180	4.0	42 - 78
GEC 501	100	45	160	4.0	55 - 90
GEC 501 L	100	45	200	4.0	55 - 90
GEC 501 A	120	45	160	4.0	55 - 110
GEC 501 AL	120	45	200	4.0	55 - 110
GEC 601	130	60	160	4.6	75 - 120
GEC 601 L	130	65	300	4.6	75 - 120
GEC 701	158	60	165	4.6	75 - 145
GEC 701 N	158	65	165	5.5	75 - 145
GEC 701 L	160	65	300	4.5	75 - 145
GEC 701 AL	170	65	300	4.5	75 - 145
GEC 701 XXL	180	75	585	3.8	85 - 160
GEC 801 S	190	125	220	4.0	140 - 165
GEC 801	230	125	220	4.0	140 - 200
GEC 801 A	280	125	225	3.8	140 - 250
GEC 801 AL	280	125	550	3.8	140 - 250
GEC 901	310	120	220	7.0	140 - 280
GEC 1001	400	204	220	6.0	230 - 360
GEC 1101	500	204	220	6.0	230 - 460

\* New Sizes - D : Internal Diameter | s : as supplied | f : after free recovery

