



Insulcap-De-gassing (RV) is Heat Shrinkable End Caps, supplied with Relief Valve (RV) & are used for sealing High Voltage & Extra High Voltage Cables (33 kV & above) to release the constantly evolving gas generated inside the Cable during transportation & storage in hot climate conditions.

Features & Benefits:

- Provides additional security to Cables by relieving the pressure generated by Residual gases.
- Automatically releases gas when pressure rises above 1 psi.
- Eliminates possibility of accidental fire caused due to trapped Methane gas while removing the (normal / non relief valved) End caps.
- Possibility to reduce the timing of de-gassing (heating) chamber, thereby savings in energy & time.
- Relief (Non-returnable) valve shall not allow moisture, water, dirt, etc. to enter the cable.
- Ensures gas / defect free cables, adds customer satisfaction.
- Each Relief valve is factory tested for gas release.

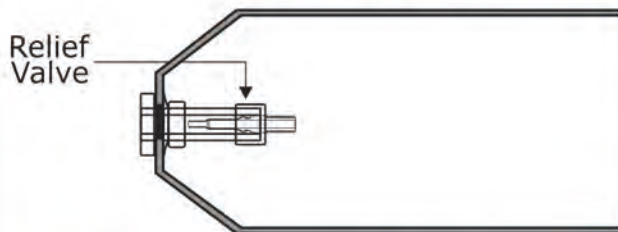
Selection Chart

All dimensions are in mm

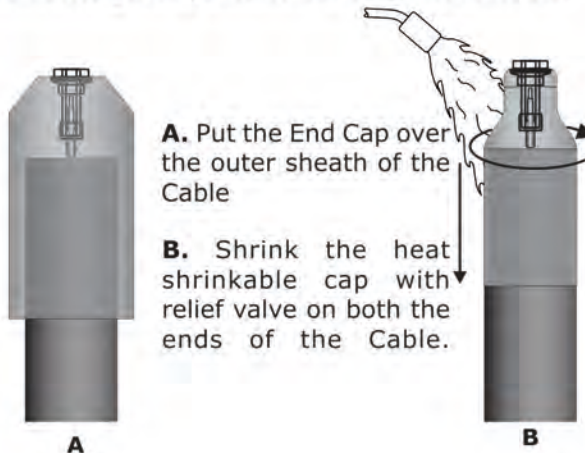
CODE NO.	Ds (Min.)	Df (Max.)	Ls (Min.)	Tf(±10%)	CABLE RANGE
GEC 102 RV	30	11	75	2.5	12 - 26
GEC 201 RV	40	15	90	3.3	16 - 35
GEC 201 L RV	40	15	120	3.3	16 - 35
GEC 301 RV	55	25	125	3.8	25 - 47
GEC 301 L RV	55	25	170	3.8	25 - 47
GEC 401 RV	75	35	140	4.0	35 - 68
GEC 401 L RV	75	35	180	4.0	35 - 68
GEC 501 RV	100	45	160	4.0	45 - 90
GEC 501 L RV	100	45	200	4.0	45 - 90
GEC 601 RV	130	60	160	4.6	64 - 120
GEC 601 L RV	130	65	300	4.6	67 - 120
GEC 701 RV	154	60	165	4.6	72 - 145
GEC 701 L RV	154	65	300	4.6	70 - 145
GEC 801 RV	230	125	220	4.0	140 - 200

D : Internal Diameter; s : as supplied; f : after free recovery

Technical Qualification Report : QR 1023



Working of pressure relief valve:

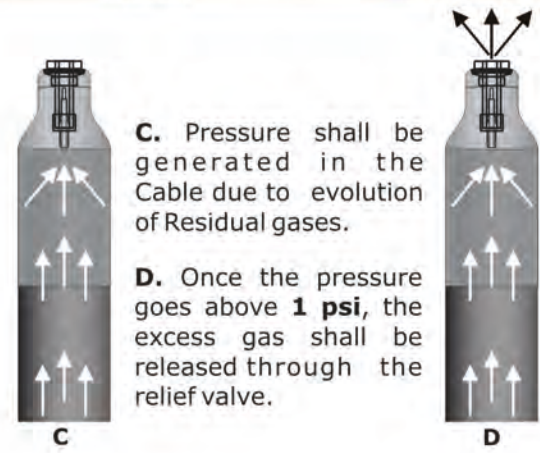


A. Put the End Cap over the outer sheath of the Cable

B. Shrink the heat shrinkable cap with relief valve on both the ends of the Cable.

Technical Specification

PROPERTIES	VALUE	STANDARD
Tensile Strength	12 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Water absorption	0.2 % (max.)	ASTM D570
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
Tensile Strength	11 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min.)	ASTM D638
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Continuous Temperature Limit	-40 to +100°C	IEC 216
Dielectric Strength	12 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150



C. Pressure shall be generated in the Cable due to evolution of Residual gases.

D. Once the pressure goes above **1 psi**, the excess gas shall be released through the relief valve.