



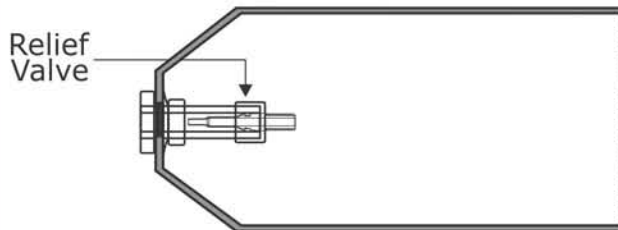
Selection Chart

All dimensions are in mm

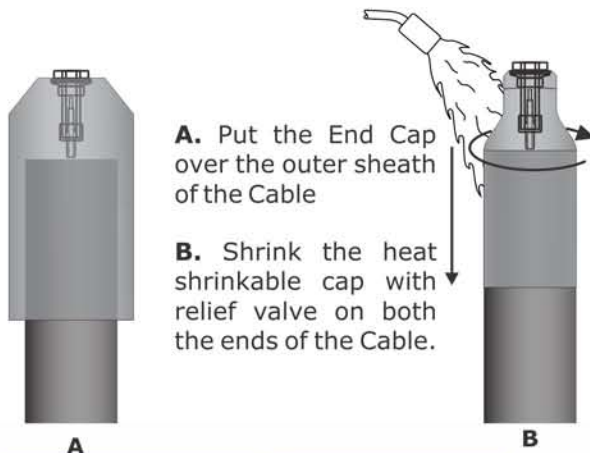
CODE NO.	Ds (Min.)	Df (Max.)	Ls (Min.)	Tf(±10%)	CABLE
RANGE					
GEC 102 RV	30	11	75	2.5	12 - 26
GEC 201 RV	40	15	90	3.3	16 - 35
GEC 201 L RV	40	15	120	3.3	16 - 35
GEC 301 RV	55	25	125	3.8	25 - 47
GEC 301 L RV	55	25	170	3.8	25 - 47
GEC 401 RV	75	35	140	4.0	35 - 68
GEC 401 L RV	75	35	180	4.0	35 - 68
GEC 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

Ds: Inner 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.

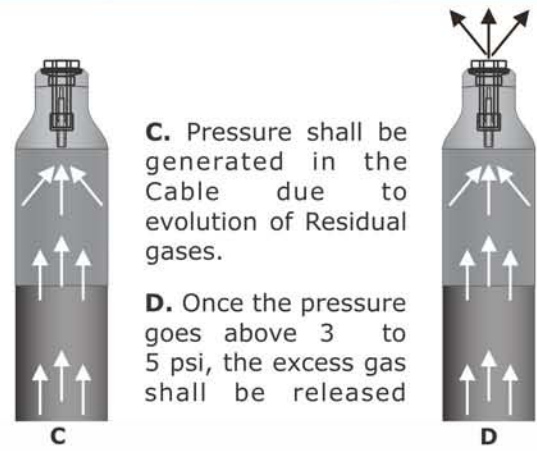
Insulcap-De-gassing (RV) is Heat Shrinkable End Caps, supplied with Relief Valve (RV) & are used for sealing High Voltage & Extra High Voltage Cables (33 kV & above) to release the constantly evolving gas generated inside the Cable during transportation & storage in hot climate conditions.

Features & Benefits:

- Provides additional security to Cables by relieving the pressure generated by Residual gases.
- Automatically releases gas when pressure rises above 3 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.

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 3 to 5 psi, the excess gas shall be released



AN ISO 9001, ISO 14001 & OHSAS 18001 CERTIFIED COMPANY

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