



Cold Shrink De-gassing 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) Endcaps.
- ❖ Possibly 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.

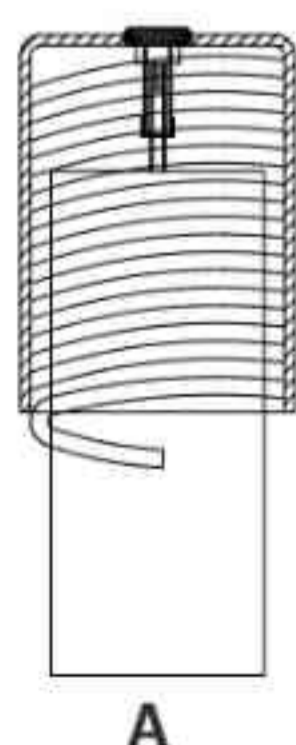
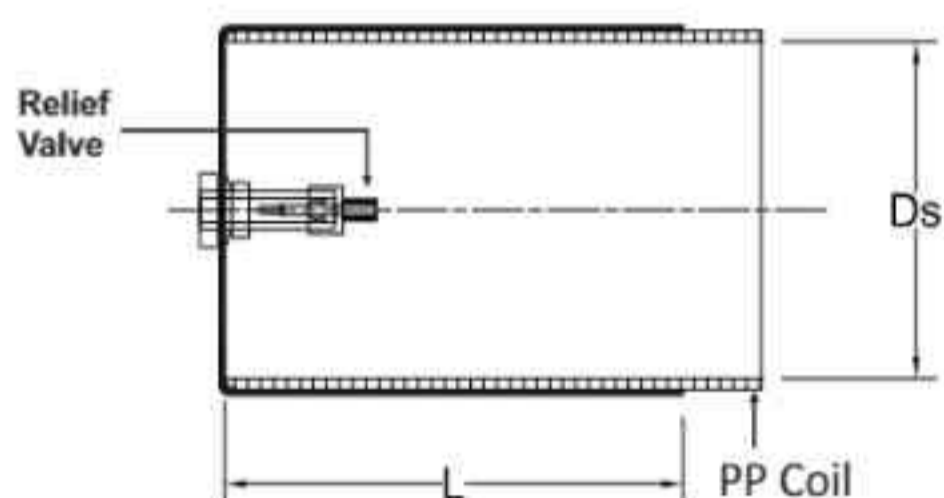
## Technical Specification\*

Properties	Test Methods	Typical Value
Colour	Visual	Black
Tensile Strength	ASTM D-412	6.0 MPa (min)
Ultimate Elongation	ASTM D-412	400% (min)
Tear Strength	ASTM D-624	25.0 KN/m (min)
Volume Resistivity	ASTM D-257	1 x 10 <sup>12</sup> Ohm. cm (min.)
Fungus Resistance	ASTM G-21	28 Days exposure no growth
Hardness	ASTM D2240	40 ± 10 Shore A
Dielectric Strength	ASTM D149	18.0 kV/mm (min)

## Selection Chart :

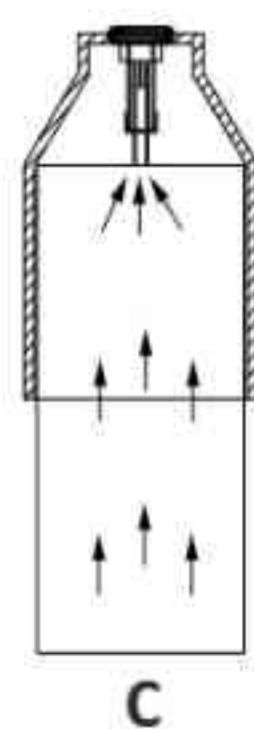
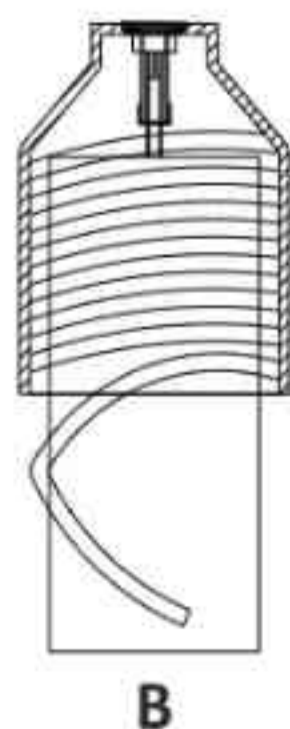
Code No.	Ds (min.)	Df (max.)	Lf (min.)	Tf (min.)	Application Range
GCCS - 01 RV	25	12	60	3.3	13 - 20
GCCS - 02 RV	35	16	75	3.4	17 - 30
GCCS - 03 RV	45	22	80	3.4	23 - 38
GCCS - 04 RV	55	22	80	3.4	23 - 48
GCCS - 05 RV	90	45	100	3.4	46 - 80

\*All dimensions are in mm. | D : Body Diameter | d : Finger Diameter | s : As Supplied | f : After Free Recovery



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

B. Pull the spiral outward from the end to shrink the end caps.



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.

