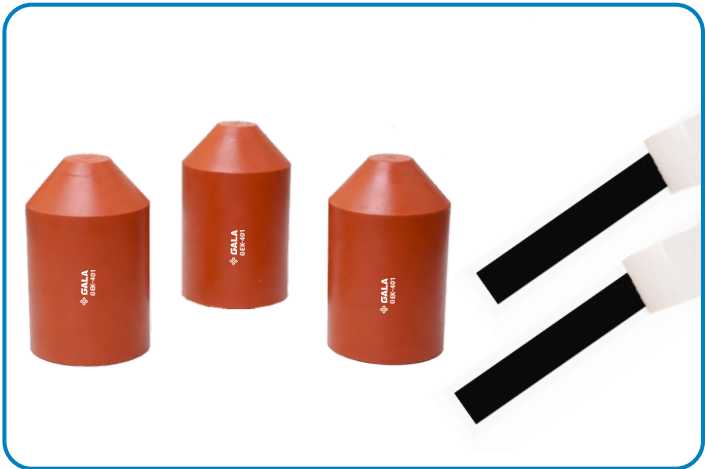
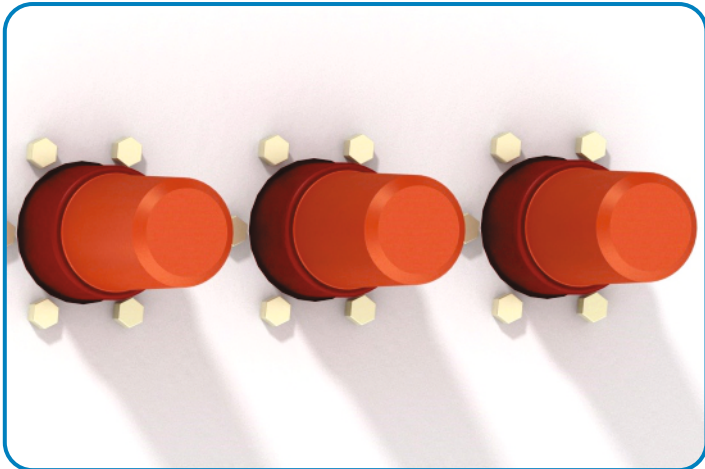




Un-screened Bushing Cap upto 12 kV



Unscreened Bushing Cap

Bushing Cap for RMU extensible / GIS Bushing is used to seal and insulate the ends of Bushing & also protect it from ingress of water / moisture. The caps used in Bushing Cap are manufactured from high quality Cross-linked Non-tracking and Semiconductive Polyolefin material. Compatible with all types of Bushing. The caps need to be removed from the Bushing for new connections.

Features & Benefits :

- ❖ Superior insulation for enhanced electrical safety.
- ❖ Seals against moisture & water to prevent insulation failure.
- ❖ Non-tracking polyolefin material ensures reliable long-term performance.
- ❖ Fits all standard RMU & GIS bushings for easy installation and replacement.
- ❖ Weather-resistant design extends equipment life and reduces maintenance.

Technical Specification*

PROPERTIES	TYPICAL VALUE	TEST METHODS
Physical		
Tensile Strength	12 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Density	1.05 ± 0.2 gm/cm ³	ASTM D792
Hardness	45 ±10 Shore D	ASTM D2240
Water Absorption	0.2 % (max.)	ASTM D570
Thermal		
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
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 IEC
Shrink Temperature	125°C	216 IEC 216
Continuous Temperature Limit	-40 to +100°C	
Electrical (Applicable for Insulation Layer only)		
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
Resistant to Tracking & Erosion	No Tracking, erosion or flame failure up to 3.25 kV for 20 min.	ASTM D2303

Selection Chart : Unscreened Bushing Cap

Gala Code	Ds (Min.)	Df (Max.)	Ls (Min.)	Tf (±10%)
GEK - 401	75	35	125	4.0
GEK - 501	100	45	125	4.0

D : Internal Diameter | s : As supplied | f : free recovered | L : Length
T : Thickness of Insulation Layer after free recovery
All dimensions are in mm

