Bushing Cap for RMU / GIS

GALA®
Innovative Insulating Solutions

Un-screened Bushing Cap upto 11 kV

Screened Bushing Cap with Ground upto 36 kV

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.

Screened Bushing Cap with Ground

Touch Proof Protective Cap is designed to electrically insulate and mechanically seal bushing interfaces. The cap can be used for permanent and temporary insulation on bushing end junctions.
Screened End cap is an accessory device designed to electrically insulate and mechanically seal bushing. When installed on the bushing and the drain wire is attached to ground, the Screened End cap provides a fully shielded, submersible insulating cover for energized bushings. The cap can be used for permanent or temporary installation on bushings, junctions or feedthrough devices.

Technical Specification

PROPERTIES		
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)		ASTM D149
Dielectric Strength	12 kV/mm. (min)	ASTM D257
Volume Resistivity	1 x 10^{14} Ohm.cm (min)	ASTM D150
Dielectric Constant	5 (max.)	
Resistant to Tracking & Erosion	No Tracking, erosion or flame failure up to 3.25 kV for 20 min.	ASTM D2303

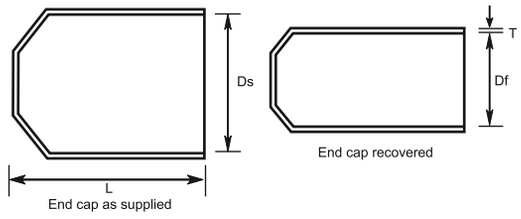
Selection Chart - Unscreened Bushing Cap

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

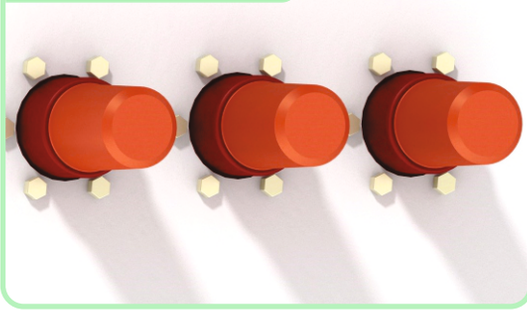
Selection Chart - Screened Bushing Cap

Gala Code	Ds (Min.)	Df (Max.)	Ls (Min.)	Tf (±10%)
GSEK - 401	71	35	125	4.0
GSEK - 501	96	45	125	4.0

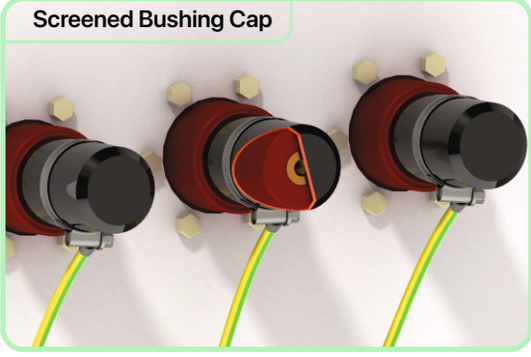
D : Internal Diameter | **s :** As supplied | **f :** free recovered | **L :** Length
T : Thickness of Insulation Layer after free recovery
All dimensions are in mm



Unscreened Bushing Cap



Screened Bushing Cap



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An ISO 9001, ISO 14001 & ISO 45001:2018 Certified Company

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