

Bushing Cover for Busbar Connectors

PRODUCT OVERVIEW

Engineered to provide insulation and dielectric reinforcement at busbar connection points in switchgear assemblies and substation bus systems. The form-fitted design eliminates exposed energized surfaces at connector interfaces, significantly reducing the risk of phase-to-phase faults, short circuits, and incidental contact in both indoor and outdoor enclosure environments.

APPLICATIONS

- Insulation and dielectric enhancement at busbar connection points
- Protection of live bus interfaces in switchgear assemblies
- Substation bus systems — indoor and outdoor enclosures

KEY FEATURES

- Radiation cross-linked Polyolefin or EPDM rubber construction
- Operating temperature range: -40°C to 105°C
- Quick and easy snap-fastener installation — no special tooling required
- Eliminates risk of short circuit and leakage current
- Facilitates safe routine inspection and maintenance
- Moisture, dust, and contamination resistant
- RoHS compliant | ISO 9001 & ISO 14000 certified manufacturing
- Available in Red, Yellow, Green, and Black | Fully customizable

TECHNICAL DATA

Property	Polyolefin	EPDM	Test Method
Tensile Strength	≥10.0 MPa	≥10 MPa	ASTM D 2671
Elongation at Break	≥300%	≥1000%	ASTM D 2671
Thermo Aging Tensile Strength	≥6.9 MPa	≥9 MPa	90°C/70hrs
Thermo Aging Elongation at Break	≥150%	≥500%	90°C/70hrs
Heat Shock	No Cracking	No Cracking	JB7829
Oxygen Index	≥28	—	GB/T 2406
Dielectric Strength	≥20 kV/mm	≥30 kV/mm	IEC 243
Dielectric Constant	2–3	2–3	IEC 250
Volume Resistance	≥1×10 ¹¹ Ω·cm	≥4.5×10 ¹¹ Ω·cm	IEC 93

STOCKING LOCATIONS

Reno, NV · Houston, TX
Custom reel lengths available

PROCUREMENT & INQUIRIES

GCP Energy LLC — Authorized OEM
Representative
portal.gcpenergy.us · Salt Lake City, UT

MATERIAL OPTIONS

Polyolefin (Standard)
EPDM Rubber (High Flex / Submersible)