

Cable Terminal Protector

GTPE-500 For RMU

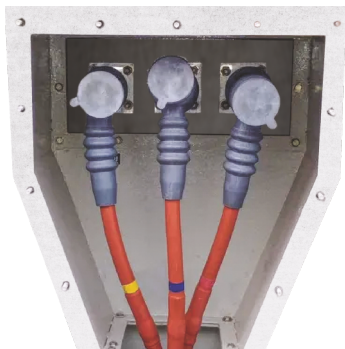


Gala Elbow Terminal Protector will be used in the cable entry boxes with any types of indoor terminations, where the phase to phase clearance is less & having possibility of air flash over, where the air will not give the adequate insulation level. This Product will act as a barrier and minimize the chance of flashovers.

Components are manufactured from the special formulation of EPDM rubber having good UV resistance, track resistance, insulation & mechanical properties. it is a moulded component and can be used on epoxy bushing. Each component is factory tested to provide reliability.

The Terminal protector GTPE-500 can be used in the Ring main units having Bushing of type interface. This has been designed to exceed Minimum industry test standards and have dielectric strength more than 15kV / mm.

The Terminal Protector GTPE-500 will give the adequate insulation and easy to install as it is one piece design. This Product is not a touch proof Product.



❖ Features & Benefits:

- Easy to install
- Suitable for Cable range from 25 sq mm to 400 sq mm
- Fits Sector Shaped Cables
- Facilitates Direct Voltage Testing
- Re-usable and Re-openable
- Economically Viable Solution for 11 kV and 22 kV
- Prevents Flash-over Due to Humid Environment in HT Cable Entry Box
- Protection from Short Circuit Due to Intervention by Reptiles, Birds, Animals
- Suitable to Use RMU Having Bushing of C Type With Compact Design.

Selection Chart - Right Angle Boot

| Product Code | Application Voltage(kV) | Bushing Center Distance |
|--------------|-------------------------|-------------------------|
| GTPE-1 | 12 | 95 |

Technical Specification

| Test | Rated Voltage 12 kV | Rated Voltage 24 kV |
|---|---------------------|---------------------|
| AC High Voltage withstand Test for 1 min duration | 28kV | 50kV |
| Impulse withstand Test | 75kV | 125kV |

Physical

| TEST DESCRIPTION | RECORDED VALUE | TEST METHOD |
|------------------------|----------------------------------|-------------|
| 1. Tensile Strength | 10N/mm ² (MPa) (min.) | ASTM D638 |
| 2. Ultimate Elongation | 200 % (min.) | ASTM D638 |
| 3. WaterAbsorption | 0.5% (max.) | ASTM D570 |
| 4. Hardness | 35 ± 5 shore D | ASTM D2240 |

Thermal

| | | |
|---------------------------|----------------|---------|
| 1. Continuous Temp. Limit | -40° to +115°C | IEC 216 |
|---------------------------|----------------|---------|

Electrical

| | | |
|------------------------|---------------------------------|-----------|
| 1. Dielectric Strength | 15 kV/mm.(min.) | ASTM D149 |
| 2. Volume Resistivity | 1 x 10 ¹³ Ohm.cm min | ASTM D257 |
| 3. Dielectric constant | 5 (max.) | ASTM D150 |



GALA THERMO SHRINK PVT. LTD.

M : 88791 22705 | E: info@galathermo.com | W: www.galathermo.com