



Gala Silicon Interlocking Overhead Line Covers are made from high quality non-tracking silicon rubber that are designed for field installation over bare conductors. These covers provide a layer of electrical insulation for Phase-to-Phase and Phase-to-Ground protection from bird and animals. The GSIOC provides electrical insulation, UV resistance and tracking resistance.

Provides Insulation upto 33 kV

General Product Properties:

- High Di-electric strength
- Tracking & Erosion resistant
- Excellent UV stabilized & Weather resistant
- Operating temperature ranges from -70°C to +180°C
- Prevent Conductor from Chemical corrosion effected by strong acid, alkali, salt, etc.
- Halogen free
- Easy to install

Technical Specification*

PROPERTIES	TEST METHOD	TYPICAL VALUE
Physical		
Tensile Strength	ASTM-D-638	4 N/mm ² (Min.)
Elongation	ASTM-D-638	200% (Min.)
Density	ASTM D792	1.10 – 1.45 gm/cm ³
Hardness	ASTM D2240	65 ±5 Shore A
Low Temp. Flexibility	ASTM D2671	No Cracking of material at -20 Deg. C for 4 Hrs.
Water Absorption (after 24 Hrs. at 23 Deg. C)	ASTM D570	0.5% (max)
Thermal:		
Thermal Ageing	ASTM-D-2671	150°C for 168 hrs.
Tensile Strength	ASTM-D-638	3.0 N/mm ² (Min.)
Elongation	ASTM-D-638	100% (Min.)
Electrical :		
Di-electric Strength	ASTM-D-149	10 kV / mm (min)
Volume Resistance	ASTM-D-257	1x10 ¹⁰ Ohm cm (Min)
Tracking and Erosion Resistance	ASTM-D-2303	No tracking or erosion to top surface or flame failure after 1 hr. at 2.5 kV 1 hr. at 2.75 kV 1 hr. at 2.5 kV 1 hr. at 3.0 kV 20 min. at 3.25 kV

* The above mentioned values are typical analytical values obtained on material when tested as per applicable standards under controlled laboratory conditions and should not be construed as specifications for the product.

Selection Chart:

Gala Code	Conductor Size Sq. mm.	Conductor Size in Dia. (mm)	Packaging (Mtr./Roll)
GSIOC-15	upto 185	upto 15	15
GSIOC-20	upto 300	upto 20	15