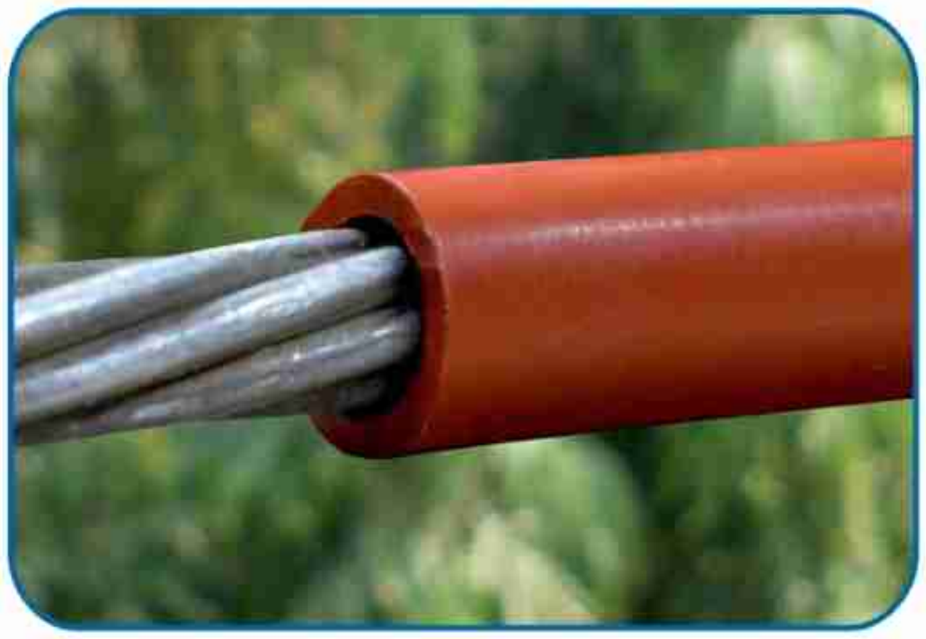
Overhead Line Tube:



Overhead Line Tubes is a Medium Voltage Line Cover that provides insulation for overhead conductors to help prevent electrical outages caused by trees or wildlife coming into the contact with distribution lines. It is manufactured from high quality Non-Tracking Polyolefin material.

Selection Chart:

GOT- M (Upto 11KV)

Gala Code	Internal Dia. mm (Min.)	Thickness mm (±10%)	Packaging (Mtr./Roll)
GOT-M 18	18.0 mm	2.2	50
GOT-M 25	25.0 mm	2.5	50
GOT-M 35	35.0 mm	2.5	50

Technical Specification*

PROPERTY	VALUE	TEST METHOD
Tensile Strength	9 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	500 % (min)	ASTM D638
Density	1.20 ± 0.2 gm / cm^3	ASTM D792
Hardness	30 ± 5 Shore D	ASTM D2240
Water Absorption	0.5 % (max.)	ASTM D570
Accelerated Ageing	(90°C for 7 Days)	ASTM D2671
a. Tensile Strength	± 25% Variation	ASTM D638
b. Ultimate Elongation	± 25% Variation	ASTM D638
Low Temperature Flexibility	No Cracking	ASTM D2671
(-40°C for 4 hrs.)		
Continuous Temperature Limit	-45 to 105°C	IEC 216
Dielectric Strength	20 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

GOT- H (Upto 33KV)

Gala Code	Internal Dia. mm (Min.)	Thickness mm (±10%)	Packaging (Mtr./Roll)
GOT-H 18	18.0 mm	3.5	50
GOT-H 25	25.0 mm	3.5	50
GOT-H 35	35.0 mm	3.7	50

GOT- EH (Upto 66KV)

Gala Code	Internal Dia. mm (Min.)	Thickness mm (±10%)	Packaging (Mtr./Roll)
GOT-EH 25	25.0 mm	6.2	50
GOT-EH 38	38.0 mm	6.2	50
GOT-EH 50	50.0 mm	6.2	50

Overhead Line Cover - Silicone:

Gala Silicon 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 GSOC provides electrical insulation, UV resistance and tracking resistance.
Provides Insulation Enhancement upto 765kV.

Technical Specification*

PROPERTIES	TEST METHOD	TYPICAL VALUE
Physical		
Tensile Strength	ASTM-D-638	7 N/mm^2 (Min.)
Elongation	ASTM-D-638	300% (min.)
Water Absorption	ASTM-D-570	0.5 (Max.)
Low Temp. Install at 0°C	-	Installable without difficulty
Thermal:		
Air Ageing	ASTM-D-2671	150°C for 168 hrs.
Tensile Strength	ASTM-D-638	3.5 N/mm^2 (Min.)
Elongation	ASTM-D-638	150% (Min.)
Electrical:		
Di-electric Strength	ASTM-D-149	>130 kV / cm
Volume Resistance	ASTM-D-257	1 x 10^{13} 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

Selection Chart:

Gala Code	Conductor Size Sq. (mm)	Conductor Size in Dia (mm)	Packaging (Mtr./Roll)
GSOC-15	unto 185	unto 15	15
GSOC-20	unto 300	unto 20	15
GSOC-32	unto 400	unto 32	15
GSOC-38	unto 800	unto 38	15

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