



Insulcover is a Medium Voltage Wrap Around Line Cover that provides retrofit 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 Cross-linked Polyolefin material.

Insulcover is designed to insulate existing bare lines without costly conductor replacement expenditure or additional line hardware. Insulcover may be applied selectively on problem spans when temperatures are above 0°C.

Installation is possible on energized lines utilizing the Split Insulation Tube Tool which attaches directly to the overhead conductor and remains stationary in a single location.

Technical Specification

PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	13 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min)	ASTM D638
Density	1.20 ± 0.2 gm/cm ³	ASTM D792
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
Thermal		
Accelerated ageing	(120°C for 168 hrs)	ASTM D2671
a. Tensile Strength	11 N/mm ² (Mpa) (min.)	ASTM D638
b. Ultimate Elongation	250 % (min.)	ASTM D638
Low Temperature Flexibility (-40°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Flammability (Oxygen Index)	≥ 28	IEC 93
Continuous Temperature Limit	-45 to +105°C	IEC 216
Electrical		
Dielectric Strength	25 KV/mm.(min)	IEC 243
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min)	ASTM D2303
Dielectric constant	5 (max.)	ASTM D150
Resistant to track & erosion	No Tracking, erosion or flame failure up to 3.25 KV for 20 min.	ASTM D2303

Technical Qualification Report No.: 1036

Selection Chart

Gala Code	Size (mm.)	Conductor Size (sq. mm.)	Packaging (Mtr./Roll)
GOC 1	14	≤ 70	20
GOC 2	18	70 - 185	20
GOC 3	31	185 - 400	20
GOC 4	38	400 - 800	20

FEATURES & BENEFITS:

- High dielectric strength.
- Excellent UV stabilized & weather resistant.
- Anti Tracking & Erosion resistant
- Prevent Conductor from Chemical corrosion effected by strong acid, alkali, salt, etc.
- Halogen free, Flame Retardant.
- Insulcover is available in three sizes that covers conductors from 16 to 800 sq.mm.
- Meets ANSI C37.20.2 standards for Medium Voltage applications up to 36kV.



AN ISO 9001, ISO 14001 & OHSAS 18001 CERTIFIED COMPANY

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