

OVERHEAD LINE COVER (INSULCOVER)

Insulcover is a medium voltage wrap around overhead 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 polyolefin material. 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 Tool which attaches directly to the overhead conductor and remains stationary in a single location.

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.



| CODE | Conductor size (sq.mm.) | Packaging (Mtr./Roll) |
|-------|-------------------------|-----------------------|
| GOC 1 | ≥90 | 15 |
| GOC 2 | Upto 400 | 15 |
| GOC 3 | Upto 800 | 15 |

TECHNICAL SPECIFICATION

| PROPERTIES | VALUE | TEST METHOD |
|--|--|-------------|
| PHYSICAL | | |
| Tensile Strength | 10 N/mm ² (Mpa) (min) | ASTM D638 |
| Ultimate Elongation | 400% (min) | ASTM D638 |
| Density | 1.20±0.2 gm/cm ³ | ASTM D792 |
| Hardness | 40 ± 5 shore D | ASTM D2240 |
| Water absorption | 0.5% (max) | ASTM D570 |
| THERMAL | | |
| Accelerated ageing | (90°C for 7days) | ASTM D2671 |
| a. Tensile Strength | ± 25% variation | ASTM D638 |
| b. Ultimate Elongation | ± 25% variation | ASTM D638 |
| Low Temperature Flexibility (-40°C for 4 hrs.) | No Cracking | ASTM D2671 |
| Continuous Temperature Limit | -45 to +105 °C | IEC 216 |
| ELECTRICAL | | |
| Dielectric Strength | 20 KV/mm (min) | ASTM D149 |
| Volume Resistivity | 1x10 ¹⁴ Ohm.cm (min) | ASTM D257 |
| Dielectric constant | 5 (max) | ASTM D150 |
| Resistant to track & erosion | No Tracking, erosion or ASTM flame failure up to 3.25 KV for 20 min. | ASTM D2303 |