

## OVERHEAD LINE INSULATION SLEEVE (OLIS)

OLIS 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. Easy & quick installation widely used in the electrification railway and naked wire in substation for insulating protection. These covers are designed to insulate existing bare lines without costly conductor replacement expenditure or additional line hardware.



### Technical Data:

| Sr. No            | Properties                  | Value                           | Standard            |
|-------------------|-----------------------------|---------------------------------|---------------------|
| <b>Physical</b>   |                             |                                 |                     |
| 1                 | Tensile Strength            | 9 N/mm <sup>2</sup> (MPA)(min.) | ASTM D 412-16       |
| 2                 | Ultimate Elongation         | 375% (Min.)                     | ASTM D 412-16       |
| 3                 | Hardness                    | 90 ± 10 Shore A                 | ASTM D2240          |
| 4                 | Water Absorption            | 0.5 % (max.)                    | ASTM D570           |
| <b>Thermal</b>    |                             |                                 |                     |
| 5                 | Thermal Impact              | 120°C ± 2°C / 4Hrs              | No Cracking/Flowing |
| 6                 | Low Temperature Flexibility | -40°C / 4Hrs                    | No Cracking/Flowing |
| <b>Electrical</b> |                             |                                 |                     |
| 7                 | Dielectric Strength         | 15 KV/mm. (Min.)                | ASTM D149           |
| 8                 | Breakdown Voltage (kV)      | 40 KV (Min.)                    | ASTM D149           |
| 9                 | Volume Resistivity          | 1 x 10 <sup>14</sup> Ohm.cm     | ASTM D257           |
| 10                | Dielectric Constant         | 5 (Max.)                        | ASTM D150           |

### Order Reference:

| Specification | Voltage (kV) | Cross Section of Conductor | Max. Dia. Of Conductor | Normal Length |
|---------------|--------------|----------------------------|------------------------|---------------|
| OLIS- 14      | 1~36KV       | Up to 70mm                 | 14mm                   | 25M/roll,     |
| OLIS- 18      | 1~36KV       | Up to 185mm                | 18mm                   | 25M/roll,     |
| OLIS- 31      | 1~36KV       | Up to 400mm                | 31mm                   | 25M/roll,     |
| OLIS- 38      | 1~36KV       | Up to 800mm                | 38mm                   | 25M/roll,     |