

TR-XLPE/CN/LLDPE, Type Primary UD, 35kV 100%, 345-mils

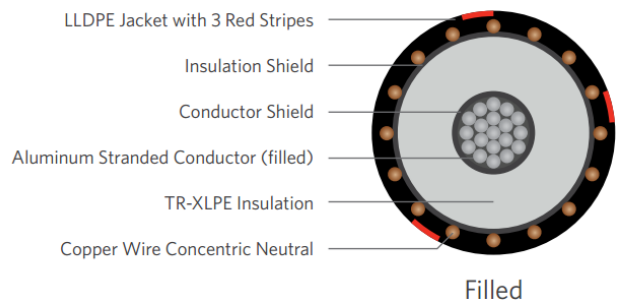
Part Number E9MKJ-A66F01CA00

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist of an aluminum (Filled) conductor, covered with tree-retardant cross-linked polyethylene (TR- XLPE), a concentric neutral of helically applied copper wires, and a sunlight resistant linear low-density polyethylene (LLDPE) jacket with 3 extruded red stripes.

APPLICATION

- Suitable for underground primary power applications
- For wet or dry locations
- For direct burial or in duct
- Jacket is sunlight resistant, meeting the 720-hr exposure test
- Designed to operate continuously at a conductor temperature not exceeding
 - » 90°C for normal operations
 - » 130°C for emergency overload
 - » 250°C for short circuit



SPECIFICATIONS

| | |
|--------------------------------|---|
| Conductor | Aluminum 1350 compressed stranded Class B (filled) |
| Conductor Strand Shield | Extruded thermoset Semi-conducting polymer |
| Insulation | Tree-Retardant Cross-linked Polyethylene (TR-XLPE) |
| Neutral | Concentric Neutral |
| Moisture Block | Powder |
| Jacket | Linear Low-Density Polyethylene with water swell-able powder under jacket |

| | |
|--------------------|------------------------|
| Packaging | Non-returnable reels |
| Performance | ASTM B-3, B-230, B-231 |
| Compliance | ICEA S-94-649 |
| | ICEA T-31-610 |
| | AEIC CS8 |
| | RUS U1 (upon request) |
| | UL 1072 (MV-90) |

**1/C 500kcmil 37-wires Aluminum (Filled), 35kV 100% 345mils TR-XLPE, (13-wires copper x 14AWG)
1/6 reduced concentric neutral, with LLDPE jacket**

PART NUMBER AND PHYSICAL CHARACTERISTICS

| Part Number | Conductor Size (AWG/kcmil) | Conductor Diameter (in.) | Copper Concentric Neutral | Insulation Diameter (in.) | Jacket Thickness (in.) | OD (in.) | Net Weight (lbs./MFT) |
|---|----------------------------|--------------------------|---------------------------|---------------------------|------------------------|----------|-----------------------|
| Design with filled stranded aluminum | | | | | | | |
| E9MKJ-A66F01CA00 | 500 | 0.789 | 13 x 14AWG (1/6RCN) | 1.520 | 0.080 | 1.93 | 1,623 |

The dimensions and weights shown are nominal and subject to industry standards and manufacturing tolerances. Other designs available upon request.