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

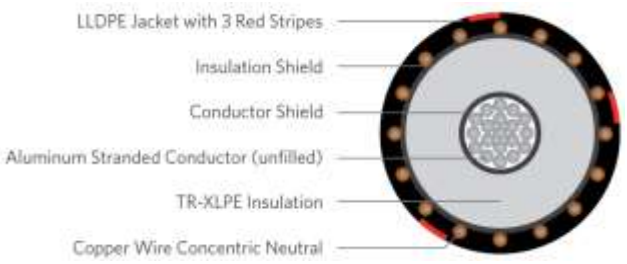
Part Number: **E9MKU-4A3F01CA00**

## DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist of an Aluminum (unfilled) conductor, covered with tree-retardant cross-linked polyethylene (TR- XLPE), a concentric neutral of helically applied copper wires, and a 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 Lay stranded Class B (unfilled) |
| **Conductor Strand Shield** | Extruded thermoset semi-conducting polymer |
| **Insulation** | Tree-Retardant Cross-linked Polyethylene (TR-XLPE) |
| **Neutral** | Solid copper wires |
| **Jacket** | Linear Low-Density Polyethylene |

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

## 1C; 4/0 AWG; 19-wires Aluminum (unfilled), 35kV, 100%, 345-mils TR-XLPE, (14-wires CU x 12 AWG) 2/3 reduced concentric neutral, 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) |
|---|---|---|---|---|---|---|---|
| E9MKU-4A3F01CA00 | 4/0 AWG | .502 | 14 X #12cu | 1.23 | .055 | 1.59 | 1,189 |

The dimensions and weights shown are nominal and subject to industry standards.