

**TR-XLPE/CN/LLDPE, Type Primary UD**

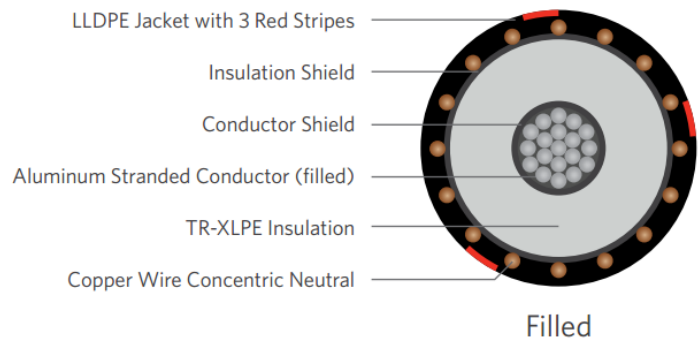
Part Number E9MKV-2A6F01CA00

**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**

|                                |  |
|--------------------------------|--|
| <b>Conductor</b>               | Aluminum 1350 compressed stranded Class B (filled) |
| <b>Conductor Strand Shield</b> | Extruded thermoset Semi-conducting polymer         |
| <b>Insulation</b>              | Tree-Retardant Cross-linked Polyethylene (TR-XLPE) |
| <b>Neutral</b>                 | Concentric Neutral                                 |
| <b>Jacket</b>                  | Linear Low-Density Polyethylene                    |

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

**1C 2/0AWG 19-wires Aluminum (filled), 35kV 100% 345mils TR-XLPE, (10-wires copper x 14AWG) 1/2 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) |
| <b>Design with filled stranded aluminum</b> |                            |                          |                           |                           |                        |          |                       |
| E9MKV-2A6F01CA00                            | 2/0                        | 0.401                    | 10 x 14AWG (1/2RCN)       | 1.15                      | 0.055                  | 1.47     | 808                   |

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

