

TR-XLPE/CN/XLPE, Type Primary UD

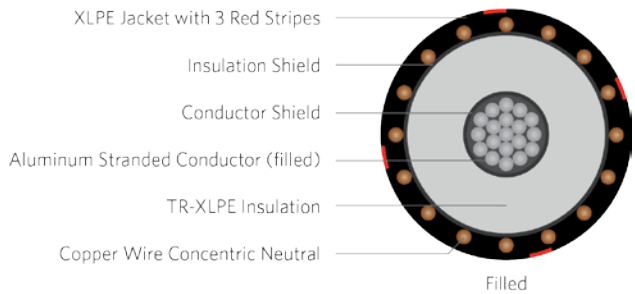
Part Number E9MWV-4A6F01CA21

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consists of an aluminum (Filled) conductor, covered with tree-retardant cross-linked polyethylene (TR- XLPE), a concentric neutral of helically applied copper wires, moisture block and a sunlight resistant cross-linked polyethylene (XLPE) 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 | Extruded thermoset |
| Strand Shield | Semi-conducting polymer |
| Insulation | Tree-Retardant Cross-linked Polyethylene (TR-XLPE) |
| Neutral | Concentric Neutral |
| Moisture Block | Powder |
| Jacket | Cross-linked Polyethylene (XLPE) 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 |
| | UL 1072 (MV-90) |

1C 4/0AWG 19-wires Aluminum (Filled), 35kV 100% 345mils TR-XLPE, (12-wires copper x 14AWG) 1/2 reduced concentric neutral, with moisture block under XLPE jacket

| PART NUMBER AND PHYSICAL CHARACTERISTICS | | | | | | | |
|---|----------------------------|---------------------|---------------------------|---------------------------|------------------------|----------|---------------------|
| Part Number | Conductor Size (AWG/kcmil) | Cond Diameter (in.) | Copper Concentric Neutral | Insulation Diameter (in.) | Jacket Thickness (in.) | OD (in.) | Net Weight lbs./MFT |
| Design with filled stranded aluminum | | | | | | | |
| E9MWV-4A6F01CA21 | 4/0 | 0.512 | 12 x 14AWG (1/2RCN) | 1.23 | 0.055 | 1.56 | 1,039 |

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