

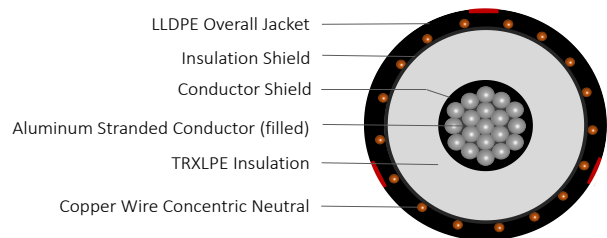
**TR-XLPE/CN/LLDPE, Type MV-90, Primary UD, 35kV 100%, 345-MILS
Single Conductor Filled Aluminum -Silicone Free**

DESCRIPTION

This specification covers cables that consist of Aluminum filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a concentric neutral of helically applied copper wires, and a moisture blocked linear low density polyethylene (LLDPE) jacket with 3 extruded red stripes.

APPLICATIONS

- Suitable for underground primary power applications: direct burial or in duct.
- For wet or dry locations
- Jacket is sunlight resistant, meeting the 720-hr exposure test
- Excellent resistance to treeing
- Designed to operate continuously at a conductor temperature not exceeding
 - 105°C for normal operations
 - 140°C for emergency overload
 - 250°C for short circuit



| CONSTRUCTION | | STANDARDS (Compliance) | |
|--------------------------|--|------------------------|--|
| CONDUCTOR | 1350 Aluminum (filled) Class B Strand Compressed | PERFORMANCE | AEIC CS8 ASTM B-3 ASTM B-230 ASTM B-231 ICEA S-94-649 ICEA-T-34-664 ICEA-T-31-610 UL 1072 |
| STRAND SHIELD | Thermoset semi-conducting polymer | | |
| INSULATION | Tree-retardant cross-linked polyethylene (TR-XLPE) | | |
| INSULATION SHIELD | Thermoset semi-conducting polymer | | |
| SHIELD | Helically applied, annealed, solid bare copper wires | | |
| JACKET | Moisture blocked Linear low-density polyethylene (LLDPE) | | |
| PACKAGING | Non-returnable wooden reels | | |

| SPECIFICATIONS | | | | | | | |
|------------------|----------------|-------------------------|--------------------------|--------------------|-----------------------|-------------------------------|------------------------------|
| Part Number | Conductor Size | Conductor Diameter (in) | Insulation Diameter (in) | Metallic Shield | Jacket Thickness (in) | Approx. Overall Diameter (in) | Approx. Net Weight (lbs/kft) |
| E9MKU-1A6F01CA20 | 1/0 AWG | 0.362 | 1.08 | 11 x 14 AWG (2/3N) | 0.055 | 1.42 | 844 |
| E9MKU-4A6F01CA20 | 4/0 AWG | 0.512 | 1.23 | 21 x 14 AWG (2/3N) | 0.055 | 1.57 | 1,162 |
| E9MKT-A66F01CA20 | 500 kcmil | 0.789 | 1.51 | 25 x 14 AWG (1/3N) | 0.080 | 1.90 | 1,732 |
| E9MKT-B26F01CA20 | 750 kcmil | 0.968 | 1.69 | 24 x 12 AWG (1/3N) | 0.080 | 2.14 | 2,352 |
| E9MKJ-B56F01CA20 | 1000 kcmil | 1.117 | 1.84 | 25 x 14 AWG (1/6N) | 0.080 | 2.26 | 2,490 |

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