

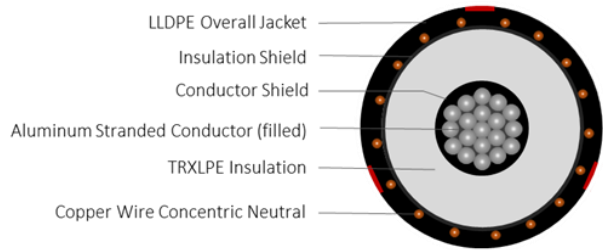
## TR-XLPE/CN/LLDPE, Type MV-90, Primary UD, 15kV 133%, 220-mils Single Conductor Filled Aluminum - Silicone Free

### 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
  - » 90°C for normal operations
  - » 130°C for emergency overload
  - » 250°C for short circuit



### CONSTRUCTION

|                          |  |
|--------------------------|--|
| <b>CONDUCTOR</b>         | 1350 Aluminum (filled)<br>Class B Strand Compressed      |
| <b>STRAND SHIELD</b>     | Thermoset semi-conducting polymer                        |
| <b>INSULATION</b>        | Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)       |
| <b>INSULATION SHIELD</b> | Thermoset semi-conducting polymer                        |
| <b>SHIELD</b>            | Helically applied, annealed solid bare copper wires      |
| <b>JACKET</b>            | Moisture blocked Linear low-density polyethylene (LLDPE) |
| <b>PACKAGING</b>         | Non-returnable reels                                     |

### STANDARDS (Compliance)

|                    |   |
|--------------------|---|
| <b>PERFORMANCE</b> | AEIC CS8<br>ASTM B-3<br>ASTM B-230<br>ASTM B-231<br>ICEA S-94-649<br>ICEA T-34-664<br>UL 1072 |
|--------------------|---|

### SPECIFICATIONS

| Part Number      | Conductor Size (kcmil) | Conductor Diameter (in) | Insulation Diameter (in) | Copper Concentric Neutrals | Jacket Thickness (in) | Overall Diameter (in) | Net Weight (lbs / kft) |
|------------------|------------------------|-------------------------|--------------------------|----------------------------|-----------------------|-----------------------|------------------------|
| E9JKT-A66F01CA21 | 500                    | 0.789                   | 1.26                     | 16 x 12 AWG (1/3N)         | 0.055                 | 1.63                  | 1,440                  |

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