

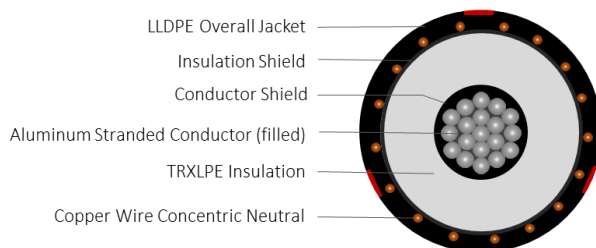
## TRXLPE/CN/LLDPE, Type MV-90, Primary UD, 25kV 133%, 320-mils Single Conductor Filled Aluminum-Silicone Free

### DESCRIPTION

Medium Voltage Primary Underground Distribution (UD) cables consist of an Aluminum (unfilled) conductor, covered with tree-retardant cross-linked polyethylene( TRXLPE), a concentric neutral of helically applied copper wires, and a 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
- 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 AL, Class B Compressed Strand (filled)                |
| <b>STRAND SHIELD</b>     | Thermoset semi-conducting polymer                          |
| <b>INSULATION</b>        | Tree-retardant cross-linked Polyethylene (TRXLPE)          |
| <b>INSULATION SHIELD</b> | Thermoset semi-conducting polymer                          |
| <b>SHIELD</b>            | Helically applied, annealed solid bare copper wires        |
| <b>JACKET</b>            | Linear Low Density Polyethylene (LLDPE), Three red Stripes |
| <b>PACKAGING</b>         | Non-returnable reels                                       |

### STANDARDS (Compliance)

|                    |  |
|--------------------|--|
| <b>PERFORMANCE</b> | AEIC CS8<br>ASTM B3<br>ASTM B231<br>ICEA S-94-649<br>UL 1072 (MV-90)<br>RUS U1 |
|--------------------|--|

### SPECIFICATIONS

| Part Number      | Conductor Size Kcmil | Conductor Diameter (in) | Insulation Diameter (in) | Copper Concentric Neutrals | Jacket Thickness (in) | O.D. (in) | Net Weight (lbs / Mft) |
|------------------|----------------------|-------------------------|--------------------------|----------------------------|-----------------------|-----------|------------------------|
| E9LKT-B56F01CA00 | 1000                 | 1.117                   | 1.79                     | 31 x 12 AWG (1/3N)         | 0.080                 | 2.24      | 2,760                  |

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