

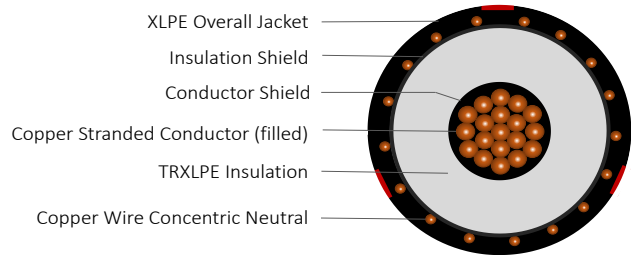
**TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-MILS  
Single Conductor Filled Copper -Silicone Free**

**DESCRIPTION**

This specification covers cables that consist of Copper filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a concentric neutral of helically applied copper wires, and a moisture blocked cross-linked polyethylene (XLPE) jacket.

**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) |   |
|--------------------------|--|------------------------|---|
| <b>CONDUCTOR</b>         | Annealed bare copper (filled)<br>Class B Strand Compressed | <b>PERFORMANCE</b>     | AEIC CS8<br>ASTM B-3<br>ASTM B-8<br>ICEA S-94-649<br>ICEA-T-34-664<br>UL 1072 |
| <b>STRAND SHIELD</b>     | Thermoset semi-conducting polymer                          |                        |   |
| <b>INSULATION</b>        | Tree-retardant cross-linked polyethylene                   |                        |   |
| <b>INSULATION SHIELD</b> | Thermoset semi-conducting polymer                          |                        |   |
| <b>SHIELD</b>            | Helically applied, annealed, solid bare copper wires       |                        |   |
| <b>JACKET</b>            | Moisture blocked Cross-linked                              |                        |   |
| <b>PACKAGING</b>         | 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) |
| E9MWT-4A5B01CA20 | 4/0 AWG        | 0.512                   | 1.23                     | 13 x 14 AWG (1/3N) | 0.055                 | 1.57                          | 1,510                        |

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