

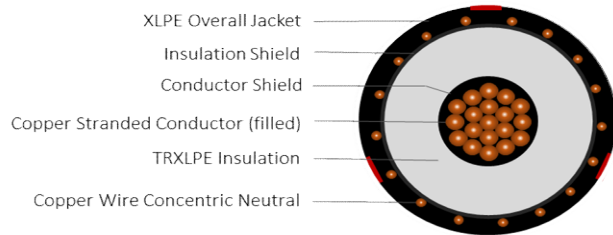
**TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 15kV 133%, 220-MILS  
Single Conductor Filled Copper -Silicone Free**

**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 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 B3<br>ASTM B8<br>ICEA S-94-649<br>UL 1072 |
| <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<br>Reduced wire number per ICEA P-45-482 calculations |                        |  |
| <b>JACKET</b>            | Cross-linked Polyethylene (XLPE)   |                        |  |
| <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) |
| E9JWT-B55B01CA00 | 1000 kcmil     | 1.117                   | 1.59                     | 23 x 10 AWG (1/3N) | 0.080                 | 2.08                          | 4,780                        |

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