

TR-XLPE/CN/XLPE, Type Primary UD

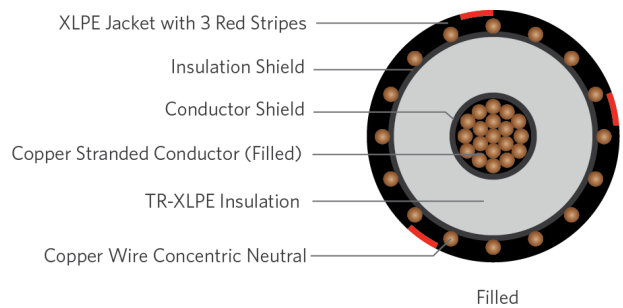
Part Number: E9MWT-B55B01CA20

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consists of a copper (Filled) conductor, covered with tree-retardant cross-linked polyethylene (TR- XLPE), a concentric neutral of helically applied copper wires, moisture block and a sunlight resistant cross-linked polyethylene (XLPE) jacket with 3 extruded red stripes.

APPLICATION

- Suitable for underground primary power applications
- For wet or dry locations
- For direct burial or in duct
- Jacket is sunlight resistant, meeting the 720-hr exposure test
- 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



SPECIFICATIONS

| | |
|--------------------------------|--|
| Conductor | Copper compressed stranded Class B (Filled) |
| Conductor Strand Shield | Extruded thermoset Semi-conducting polymer |
| Insulation | Tree-Retardant Cross-linked Polyethylene (TR-XLPE) |
| Neutral | Concentric Neutral |
| Moisture Block | Powder |
| Jacket | Cross-linked Polyethylene (XLPE) with water swell-able powder under jacket |

| | |
|-------------------------------|--|
| Packaging | Non-returnable reels |
| Performance Compliance | ASTM B-3, B-8 ICEA S-94-649 ICEA T-31-610 AEIC CS8 RUS U1 (upon request) UL 1072 (MV-105) |

1C 1000 MCM 61-wires Copper (Filled), 35kV 100% 345mils TR-XLPE, (24-copper wires x 10 AWG) 1/3 reduced concentric neutral, with moisture block under XLPE jacket

| PART NUMBER AND PHYSICAL CHARACTERISTICS | | | | | | | |
|--|----------------------------|---------------------|---------------------------|---------------------------|------------------------|----------|---------------------|
| Part Number | Conductor Size (AWG/kcmil) | Cond Diameter (in.) | Copper Concentric Neutral | Insulation Diameter (in.) | Jacket Thickness (in.) | OD (in.) | Net Weight lbs./MFT |
| E9MWT-B55B01CA20 | 1000 KCMIL | 1.117 | 24 x 10 AWG | 1.860 | 0.080 | 2.310 | 6,106 |

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