

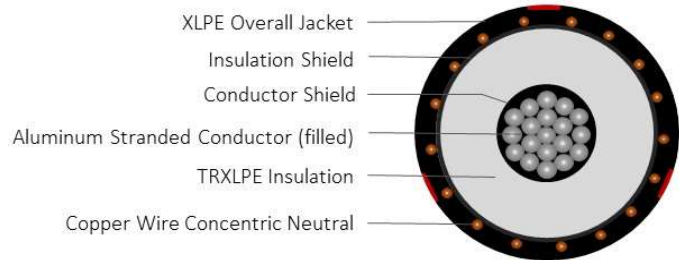
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 15kV 100%, 175-MILS Single Conductor Filled Aluminum -Silicone Free

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 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 | |
|--------------------------|--|
| CONDUCTOR | 1350 Aluminum (filled) Class B Strand Compressed |
| STRAND SHIELD | Thermoset semi-conducting polymer |
| INSULATION | Tree-retardant cross-linked polyethylene (TR-XLPE) |
| INSULATION SHIELD | Thermoset semi-conducting polymer |
| SHIELD | Helically applied, annealed, solid bare copper wires |
| JACKET | Cross-linked Polyethylene (XLPE) |
| PACKAGING | Non-returnable wooden reels |

| STANDARDS (Compliance) | |
|------------------------|---|
| PERFORMANCE | AEIC CS8 ASTM B-3 ASTM B-230 ASTM B-231 ICEA S-94-649 ICEA-T-31-610 UL 1072 |

| 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) |
| E9HWT-1A6F01CA00 | 1/0 AWG | 0.362 | 0.74 | 6 x 14 AWG (1/3N) | 0.055 | 1.06 | 495 |
| E9HWT-2A6F01CA00 | 2/0 AWG | 0.405 | 0.78 | 6 x 14 AWG (1/3N) | 0.055 | 1.10 | 540 |
| E9HWT-4A6F01CA00 | 4/0 AWG | 0.512 | 0.89 | 8 x 14 AWG (1/3N) | 0.055 | 1.21 | 684 |
| E9HWT-A36F01CA00 | 350 kcmil | 0.661 | 1.04 | 13 x 14 AWG (1/3N) | 0.055 | 1.38 | 967 |
| E9HWT-A66F01CA00 | 500 kcmil | 0.789 | 1.17 | 19 x 14 AWG (1/3N) | 0.055 | 1.51 | 1,237 |
| E9HWT-B26F01CA00 | 750 kcmil | 0.968 | 1.35 | 26 x 14 AWG (1/3N) | 0.080 | 1.77 | 1,768 |

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