TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 15kV 133%, 220-MILS

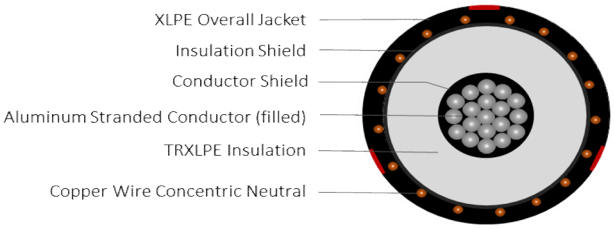
Single Conductor Filled Aluminum -Silicone Free

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 Reduced wire number per ICEA P-45-482
JACKET	Cross-linked Polyethylene (XLPE)
PACKAGING	Non-returnable wooden reels

STANDARDS (Compliance)	
PERFORMANCE	AEIC CS8 ASTM B3 ASTM B230 ASTM B231 ICEA S-94-649 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)
E9JWT-4A6F01CA00	4/0 AWG	0.512	0.98	8 x 14 AWG (1/3N)	0.055	1.30	760
E9JWT-A66F01CA00	500 kcmil	0.789	1.26	18 x 14 AWG (1/3N)	0.055	1.60	1,320

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