TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-MILS

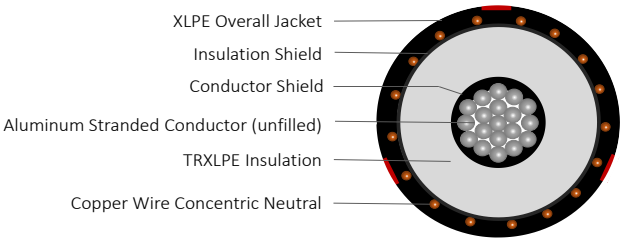
Single Conductor Un-Filled Aluminum -Silicone Free

DESCRIPTION

This specification covers cables that consist of Aluminum un-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 (unfilled) 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 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)
E9MWJ-A63F01CA00	500 kcmil	0.789	1.51	10 x 14 AWG (1/6N)	0.080	1.90	1,553
E9MWJ-B23F01CA00	750 kcmil	0.968	1.69	14 x 14 AWG (1/6N)	0.080	2.11	2,018
E9MWJ-B53F01CA00	1000 kcmil	1.117	1.84	18 x 14 AWG (1/6N)	0.080	2.26	2,406

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