

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

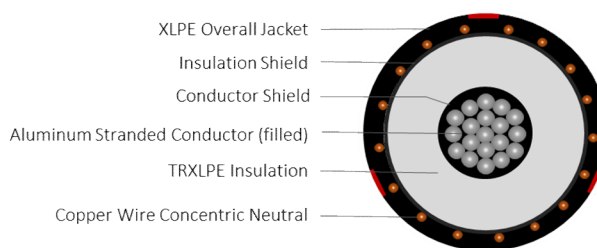
Single Conductor Filled Aluminum - Silicone Free

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 moisture blocked 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)	
CONDUCTOR	1350 Aluminum (filled) Class B Strand Compressed	PERFORMANCE	AEIC CS8 ASTM B3 ASTM B230 ASTM B231 ICEA S-94-649 ICEA-T-34-664 UL 1072
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 calculations		
JACKET	Moisture blocked Cross-linked Polyethylene (XLPE)		
PACKAGING	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)
U35ATX-A2FB-1CZ-RQZ-M	1250 kcmil	1.250	1.98	23 x 14 AWG (Custom)	0.080	2.40	2,822

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