

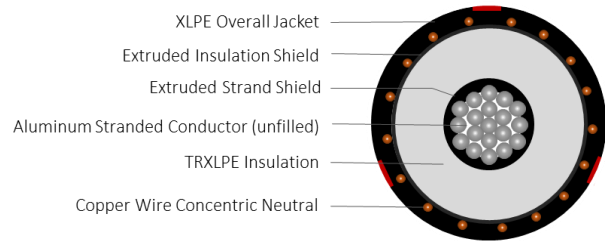
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 133%, 420-mils Single Conductor Un-Filled Aluminum - Silicone Free

DESCRIPTION

This specification covers cables that consist of Aluminum unfilled 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 Reduced wire numbers per ICEA P-45-482 calculations
JACKET	Cross-Linked Polyethylene (XLPE) jacket with three red stripes
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B-3 ASTM B-230 ASTM B-231 ICEA S-94-649 ICEA T-34-664 UL 1072
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SPECIFICATIONS

Part Number	Conductor Size (AWG)	Conductor Diameter (in)	Insulation Diameter (in)	Copper Concentric Neutrals	Jacket Thickness (in)	Overall Diameter (in)	Net Weight (lbs / Mft)
E9NWU-A13F01CA00	250 kcmil	0.558	1.43	19 x 14 AWG (2/3N)	0.080	1.82	1,435

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