

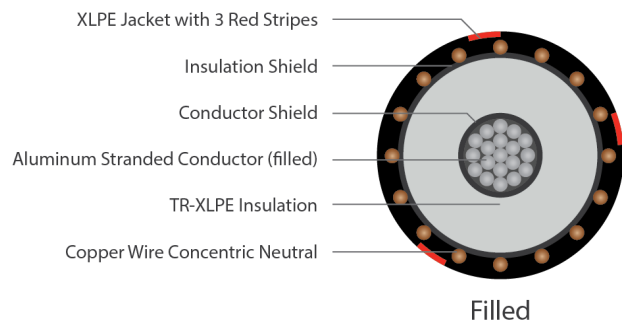
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 133%, 420-mils Single Conductor Filled Aluminum

DESCRIPTION

Medium Voltage Primary Underground Distribution (URD) cables consist of an 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 with 3 extruded red stripes.

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



SERIES E9MW

CONSTRUCTION

CONDUCTOR	1350 Aluminum, Class B Strand Compressed (filled)
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	Moisture Blocked Cross-Linked Polyethylene (XLPE) jacket with three red stripes
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B230 ASTM B231 ICEA P-45-482 ICEA S-94-649 ICEA T-31-610 UL 1072 RUS U1
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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-4A6F01CA20	4/0	0.512	1.38	16 x 14AWG (2/3N)	0.080	1.77	1,315

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