

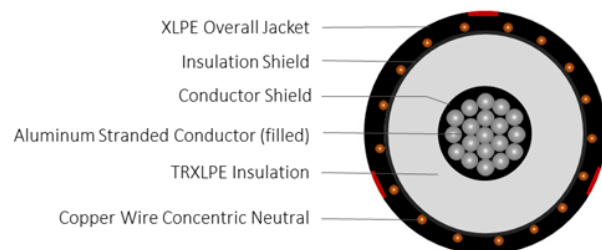
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-mils Single Conductor Filled Aluminum - Silicone Free

DESCRIPTION

Medium Voltage Primary Underground Distribution (UD) 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 moisture blocked Crossed-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 U35ATX

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
METALIC 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
JACKET MARKING	XXXXX FT LS CABLE XXXXKCMIL (or XXXAWG) FS AL 1/C 35 KV 100% INSUL LEVEL 345 MILS TRXLPE No.of neutral X #Neutral size MB XLPE JKT MV-105 (UL) MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
PACKAGING	Non-returnable wooden reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B230 ASTM B231 ICEA P-45-482 ICEA T-34-664 ICEA S-94-649 UL 1072
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SPECIFICATIONS							
Part Number	Conductor Size (AWG or kcmil)	Nom. Conductor Diameter (in)	Nom. Insulation Diameter (in)	Copper Concentric Neutrals	Nom. Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs / Mft)
U35ATX-75FB-1CZ-R6Z-M	750kcmil	0.968	1.75	14 x 14 AWG (1/6N)	0.075	2.18	2,055
U35ATX-A2FB-1CZ-R6Z-M	1250kcmil ¹	1.250	2.05	23 x 14 AWG (1/6N)	0.075	2.48	2,860

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

¹1250 KCMIL may have 61 wires subject to mutual agreement between the manufacturer and customer per ASTM B231.