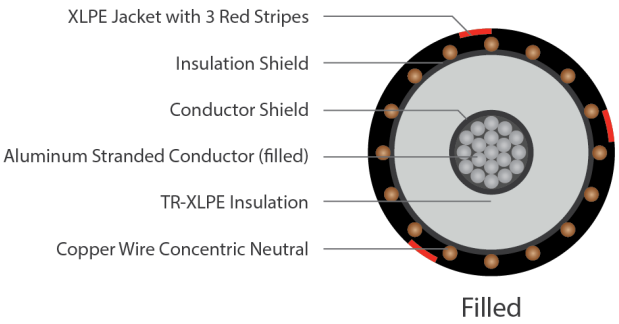
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-mils
Single Conductor 500 Kcmil, Aluminum, 1/3 Neutral

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 a cross-linked polyethylene (XLPE) moisture blocked 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 AL, Class B Strand (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
MOISTURE BLOCK	Powder

CONSTRUCTION (Continued)

JACKET	Cross-Linked Polyethylene (XLPE) and three red stripes
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B231 ICEA S-94-649 ICEA T-34-664 UL 1072 RUS U1

SPECIFICATIONS

Part Number	Conductor Size AWG or kcmil	Conductor Diameter (in)	Copper Concentric Neutrals	Insulation Diameter (in)	Jacket Thickness (in)	O.D. (in)	Net Weight (lbs / Mft)
E9MWT-A66F01CA21	500	0.789	19 x 14AWG	1.51	0.080	1.89	1,660

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