

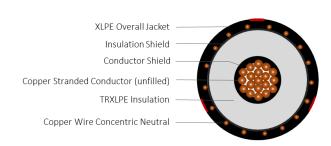
# TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-mils Single Conductor Un-Filled Copper - Silicone Free

## **DESCRIPTION**

Medium Voltage Primary Underground Distribution (UD) cables consist of Copper Un-filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a concentric neutral of helically applied copper wires, and a 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 E9MWT**

#### **CONSTRUCTION**

CONDUCTOR	Annealed bare copper (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)				
PACKAGING	Non-returnable reels				

## **STANDARDS (Compliance)**

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B8 ICEA P-45-482 ICEA S-94-649 UL 1072
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SPECIFICATIONS									
Part Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Copper Concentric Neutrals (1/3 Neutral)	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs / Mft)		
E9MWT-A61B01CA00	500	0.789	1.51	19 x 12AWG	0.080	1.93	2,885		
E9MWT-4A1B01CA00	4/0	0.512	1.23	13 x 14AWG	0.055	1.57	1,510		

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