

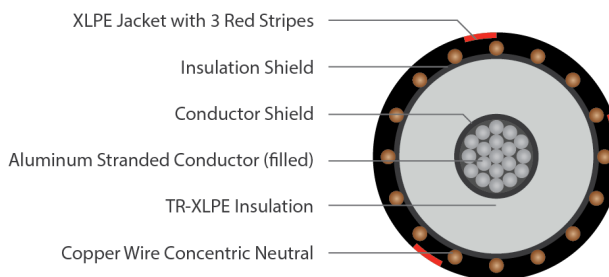
## TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-mils Single Conductor 1250 kcmil Aluminum, 1/3 Reduced Concentric Neutral

### 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 E9MWT**

### CONSTRUCTION

<b>CONDUCTOR</b>	1350 AL, Class B Strand (filled)
<b>STRAND SHIELD</b>	Thermoset semi-conducting polymer
<b>INSULATION</b>	Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
<b>INSULATION SHIELD</b>	Thermoset semi-conducting polymer
<b>SHIELD</b>	Helically applied, annealed solid bare copper wires

### CONSTRUCTION (Continued)

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

### STANDARDS (Compliance)

AEIC CS8

ASTM B3

ASTM B231

<b>PERFORMANCE</b>	ICEA S-94-649
	ICEA T-31-610
	UL 1072
	RUS U1

## SPECIFICATIONS

Part Number	Conductor Size kcmil	Conductor Diameter (in)	Nominal Insulation Diameter (in)	Copper Concentric Neutrals	Nominal Jacket Thickness (in)	Approximate O.D. (in)	Approximate Net Weight (lbs / kft)
E9MWT-B86F01CA00	1250	1.25	1.98	19 x #10	0.080	2.44	3,170

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