

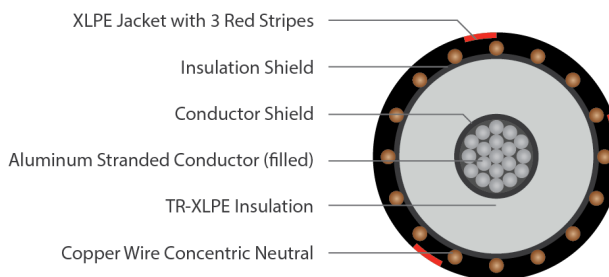
## TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-mils Single Conductor Aluminum, Reduced Concentric Neutral

### 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 E9MW

### 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), three red stripes
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<b>PACKAGING</b>	Wooden reels
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### STANDARDS (Compliance)

AEIC CS8

ASTM B3

ASTM B231

<b>PERFORMANCE</b>	ICEA S-94-649
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ICEA T-31-610

UL 1072

RUS U1

## SPECIFICATIONS

Part Number	Conductor Size AWG or kcmil	Conductor Diameter (in)	Nominal Insulation Diameter (in)	Copper Concentric Neutrals	Nominal Jacket Thickness (in)	Approximate O.D. (in)	Approximate Net Weight (lbs / kft)
E9MWM-4A6F01CA00	4/0	0.512	1.23	24 x #14	0.055	1.57	1,200

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

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E9MWT-A66F01CA00	500	0.789	1.51	19 x #14	0.080	1.90	1,660
E9MWT-B26F01CA00	750	0.968	1.69	17 x #12	0.080	2.11	2,170
E9MWJ-B56F01CA00	1000	1.117	1.84	18 x #14	0.080	2.23	2,360
E9MWJ-B86F01CA00	1250	1.25	1.98	23 x #14	0.080	2.37	2,760

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