

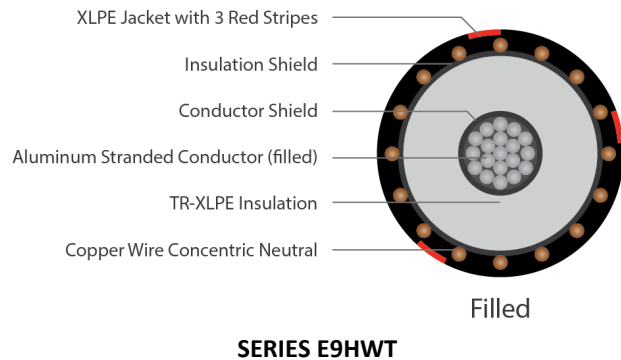
## TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-mils Single Conductor Filled Aluminum—Silicone Free

### 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 a cross-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



### CONSTRUCTION

<b>CONDUCTOR</b>	1350 Aluminum, Class B Strand Compressed (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 Reduced wire numbers per ICEA P-45-482 calculations
<b>JACKET</b>	Cross-Linked Polyethylene (XLPE) jacket with three red stripes
<b>PACKAGING</b>	Non-returnable reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B3 ASTM B230 ASTM B231 ICEA P-45-482 ICEA S-94-649 ICEA T-34-664 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)
E9HWT-1A6F01CA20	1/0	0.362	0.74	6 x 14AWG	0.055	1.06	495

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