

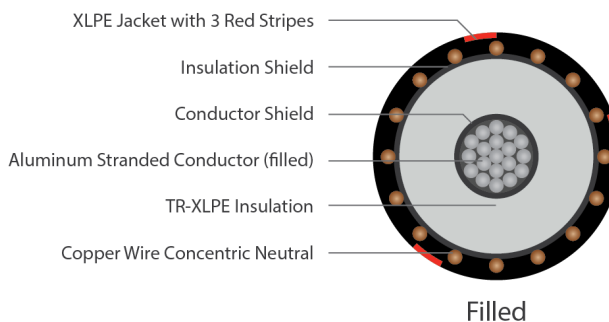
## TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-mils Single Conductor Filled Aluminum—Silicone Free

### DESCRIPTION

This specification covers cables that consist of Aluminum filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), a concentric neutral of helically applied copper wires and a moisture blocked cross-linked polyethylene (XLPE) jacket

### 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 (filled) Class B Strand Compressed
<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 number per ICEA P-45-482 calculations

### CONSTRUCTION

<b>JACKET</b>	Moisture Blocked Cross-Linked Polyethylene (XLPE) jacket with three red stripes
<b>PACKAGING</b>	Non-returnable reels
<b>STANDARDS (Compliance)</b>	AEIC CS8 ASTM B3 ASTM B230
<b>PERFORMANCE</b>	ASTM B231 ICEA S-94-649 ICEA T-34-644 UL 1072

## SPECIFICATIONS

Part Number	Conductor Size (kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs / kft)
E9MWQ-B26F01CA20	750	0.968	1.69	24 x 14 AWG (Custom)	0.080	1.98	1,690

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