

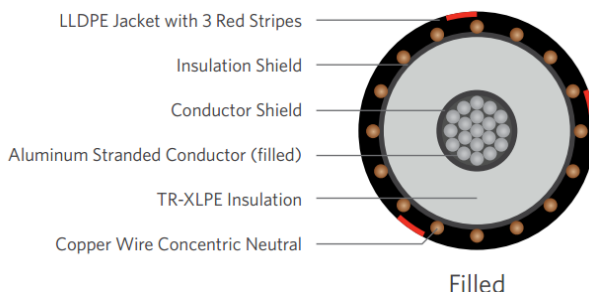
## TR-XLPE/CN/LLDPE, Type MV-90, Primary UD, 35kV 133%, 420-mils Single Conductor Filled Aluminum—Silicone Free

### 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 linear low density polyethylene (LLDPE) 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
  - » 90°C for normal operations
  - » 130°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
<b>JACKET</b>	Low Linear Polyethylene (LLDPE)
<b>PACKAGING</b>	Non-returnable reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B-3 ASTM B-230 ASTM B-231 ICEA S-94-649 UL 1072
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## SPECIFICATIONS

Part Number	Conductor Size (AWG)	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs / Mft)
E9NKM-1A6F01CA00	1/0	0.362	1.23	16 x 14 AWG (FCN)	0.055	1.57	1,050

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