

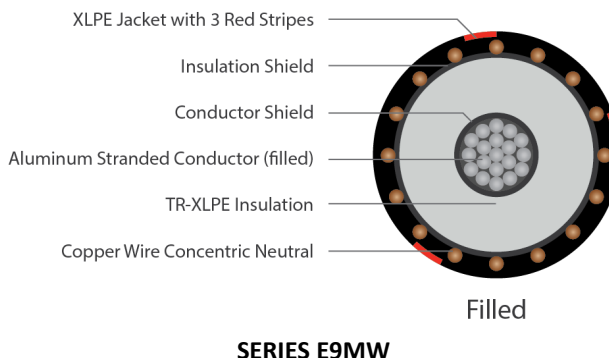
TR-XLPE/CN/XLPE, Type MV-105, Primary URD, 35kV 100%, 345-mils Single Conductor Filled Aluminum - Silicone Free

DESCRIPTION

Medium Voltage Primary Underground Distribution (URD) 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



CONSTRUCTION

CONDUCTOR	1350 Aluminum, Class B Strand Compressed (filled)
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Tree-Retardant Cross-Linked Polyethylene (TR-XLPE)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	Helically applied, annealed solid bare copper wires Reduced wire numbers per ICEA P-45-482 calculations
JACKET	Moisture blocked Cross-Linked Polyethylene (XLPE)
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	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 kcmil	Conductor Diameter (in)	Insulation Diameter (in)	Copper Concentric Neutrals	Jacket Thickness (in)	Overall Diameter (in)	Net Weight (lbs / Mft)
E9MWX-B86F01CA21	¹⁾ 1250	1.25	1.98	20 x 12 AWG (1/4N)	0.080	2.43	2,965

The dimensions and weights shown are nominal and subject to industry standards. Other designs available upon request.
 1) 1250 KCMIL may have 61 wires subject to mutual agreement between the manufacture and customer per ASTM B231