

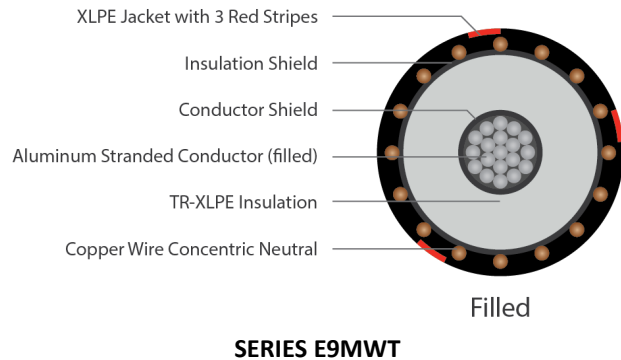
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345-mils Single Conductor Filled Aluminum - Silicone Free

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 moisture blocked 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

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) Jacket with three red stripes
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-34-644 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)
E9MWT-1A6F01CA20	1/0	0.362	1.08	6 x 14AWG	0.055	1.42	785
E9MWT-4A6F01CA20	4/0	0.51	1.23	8 x 14AWG	0.055	1.57	1,010
E9MWT-A36F01CA20	350	0.66	1.38	13 x 14AWG	0.080	1.77	1,360
E9MWT-A66F01CA20	500	0.79	1.51	19 x 14AWG	0.080	1.90	1,665
E9MWT-B26F01CA20	750	0.97	1.69	18 x 12AWG	0.080	2.14	2,240
E9MWT-B56F01CA20	1000	1.12	1.84	23 x 12AWG	0.080	2.29	2,680

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