

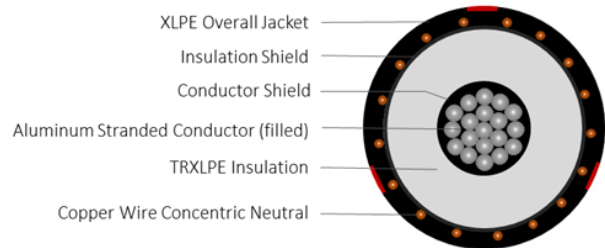
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345mils Single Conductor Filled Aluminum - Silicone Free

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 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.
- 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



SERIES E9MW

CONSTRUCTION

CONDUCTOR	1350 Aluminum (filled) Class B Strand Compressed
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 number per ICEA P-45-482 calculations
JACKET	Moisture blocked Cross-linked Polyethylene (XLPE)
JACKET MARKING	00000 FT LS CABLE XXXXCMIL (or AWG) FS AL 1/C 35KV 100% INSUL LEVEL 345 MILS TRXLPE 'No. of Neutral' X # 'Neutral size' MB XLPE JKT MV-105 (UL) MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
PACKING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B230 ASTM B231 ICEA S-94-649 ICEA T-34-664 UL 1072 NEC
OTHER	EPA 40 CFR, Part 261 OSHA

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SPECIFICATIONS							
Part Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Metallic Shield	Jacket Thickness (in)	Approx. O.D (in)	Approx. Weight (lbs/kft)
E9MWT-A66F01CA20	500	0.789	1.51	18 x 14 AWG (1/3N)	0.080	1.90	1,655
E9MWJ-B26F01CA20	750	0.968	1.69	14 x 14 AWG (1/6N)	0.080	2.11	2,030
E9MWW-B86F01CA20	1250 ¹	1.250	1.98	17 x 14 AWG (1/8N)	0.080	2.40	2,750

The dimensions and weights shown are approximate and subject to industry standards. Other designs available upon request.
¹1250 KCMIL may have 61 wires subject to mutual agreement between the manufacturer and customer per ASTM B231 .