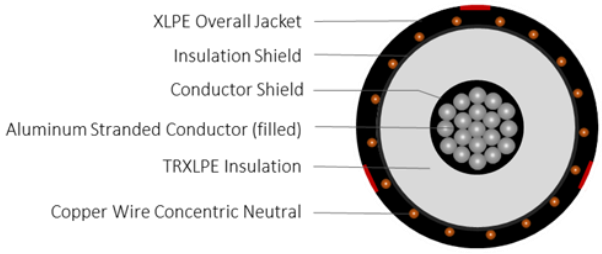
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 100%, 345mils
Single Conductor Filled Aluminum - Silicone Free

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, 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



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 XXXKCMIL (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)**
E9MWM-4A6F01CA20	4/0	0.512	1.23	22 x 14 AWG (FCN)	0.055	1.57	1,175
E9MWV-A16F01CA20	250	0.558	1.28	14 x 14 AWG (1/2N)	0.055	1.62	1,160
E9MWV-A66F01CA20	500	0.789	1.51	26 x 14 AWG (1/2N)	0.080	1.90	1,750
E9MWT-B26F01CA21	750	0.968	1.69	18 x 12 AWG (1/3N)	0.080	2.15	2,250
E9MWT-B56F01CA20	1000	1.117	1.84	23 x 12 AWG (1/3N)	0.080	2.29	2,690
E9MWT-B86F01CA20	1250[1]	1.250	1.98	28 x 12 AWG (1/3N)	0.080	2.43	3,135

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