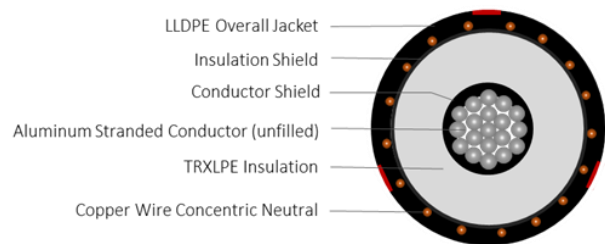![LS Cable & System USA®]

TR-XLPE/CN/LLDPE, Type MV-90, Primary UD, 15kV 133%, 220mils
Single Conductor Un-Filled Aluminum 8000 - Silicone Free

DESCRIPTION

This specification covers cables that consist of aluminum 8000 un-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.
- 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

LLDPE Overall Jacket
Insulation Shield
Conductor Shield
Aluminum Stranded Conductor (unfilled)
TRXLPE Insulation
Copper Wire Concentric Neutral

SERIES E9JK

CONSTRUCTION

CONDUCTOR	Aluminum 8000 (unfilled) 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
JACKET	Linear low-density polyethylene (LLDPE)
JACKET MARKING	00000 FT LS CABLE XXXKCMIL (or AWG) AL 1/C 15KV 133% INSUL LEVEL 220 MILS TRXLPE 'No. of Neutral' X # 'Neutral size' LLDPE JKT MV-90 (UL) MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
PACKING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B800 ASTM B801 ICEA S-94-649 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)
E9JKT-A64G01CA00	500	0.789	1.26	25 x 14AWG (1/3N)	0.055	1.60	1,400

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