

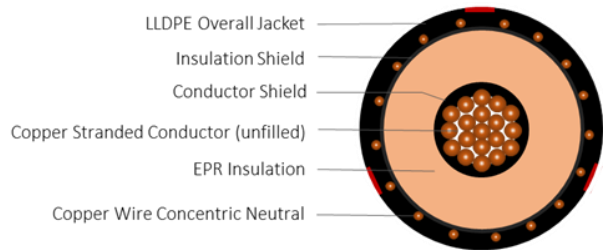
## EPR/CN/LLDPE, Type MV-90, Primary UD, 35kV 100%, 345mils Single Conductor Un-Filled Copper - Silicone Free

### DESCRIPTION

This specification covers cables that consist of Copper un-filled conductor, covered with ethylene propylene rubber (EPR), 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



**SERIES E9MP**

### CONSTRUCTION

<b>CONDUCTOR</b>	Annealed bare copper (unfilled) Class B Strand Compressed
<b>STRAND SHIELD</b>	Thermoset semi-conducting polymer
<b>INSULATION</b>	Ethylene propylene rubber (EPR)
<b>INSULATION SHIELD</b>	Thermoset semi-conducting polymer
<b>SHIELD</b>	Helically applied, annealed, solid bare copper wires
<b>JACKET</b>	Linear low-density polyethylene (LLDPE)
<b>JACKET MARKING</b>	00000 FT LS CABLE XXXKCMIL (or AWG) CU 1/C 35KV 100% INSUL LEVEL 345 MILS EPR 'No. of Neutral' X # 'Neutral size' LLDPE JKT MV-90 (UL) MADE IN USA MM/DD/YYYY (LIGHTNING BOLT SYMBOL)
<b>PACKING</b>	Non-returnable reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B3 ASTM B8 ICEA S-94-649 UL 1072 NEC
<b>OTHER</b>	EPA 40 CFR, Part 261 OSHA

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Single Conductor Un-Filled Copper - Silicone Free**

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)
E9MPT-4A1B01CA00	4/0	0.512	1.23	18 x 14 AWG (1/3N)	0.055	1.57	1,665

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