

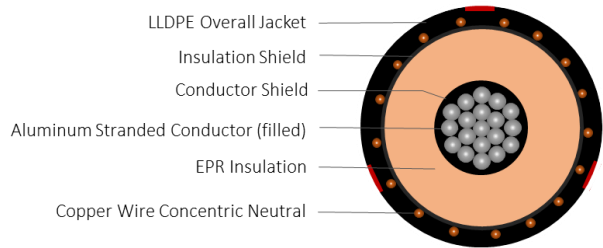
## EPR/CN/LLDPE, Type MV-90, Primary UD, 15kV 100%, 175-mils Single Conductor Filled Aluminum - Silicone Free

### DESCRIPTION

This specification covers cables that consist of Aluminum filled conductor, covered with ethylene propylene rubber (EPR), a concentric neutral of helically applied copper wires, and 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, meeting the 720-hr exposure test
- 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



### CONSTRUCTION

<b>CONDUCTOR</b>	1350 Aluminum (filled) 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>PACKAGING</b>	Non-returnable reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B-3 ASTM B-230 ASTM B-231 ICEA S-94-649 UL 1072
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SPECIFICATIONS							
Part Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Copper Concentric Neutrals	Jacket Thickness (in)	Overall Diameter (in)	Net Weight (lbs / kft)
E9HPT-1A6F01CA00	1/0	0.362	0.74	6 x 14 AWG (1/3N)	0.055	1.06	530
E9HPT-A66F01CA00	500	0.789	1.17	25 x 14 AWG (1/3N)	0.055	1.51	1,365
E9HPT-B26F01CA00	750	0.968	1.35	24 x 12 AWG (1/3N)	0.080	1.77	1,950
E9HPT-B56F01CA00	1000	1.117	1.50	31 x 12 AWG (1/3N)	0.080	1.92	2,400
E9HPT-B86F01CA00	1250	1.250	1.64	24 x 10 AWG (1/3N)	0.080	2.13	2,950

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