

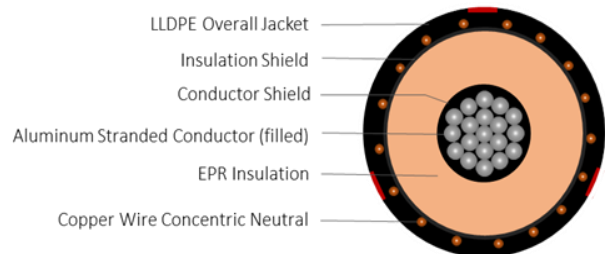
EPR/CN/LLDPE, Type MV-90, Primary UD, 35kV 133%, 420mils Single Conductor Filled Aluminum - Silicone Free

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 a moisture blocked 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 E9NP

CONSTRUCTION

CONDUCTOR	1350 Aluminum (filled) Class B Strand Compressed
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	Ethylene propylene rubber (EPR)
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	Helically applied, annealed, solid bare copper wires
JACKET	Moisture blocked Linear low-density polyethylene (LLDPE)
JACKET MARKING	00000 FT LS CABLE XXXXCMIL (or AWG) FS AL 1/C 35KV 133% INSUL LEVEL 420 MILS EPR 'No. of Neutral' X # 'Neutral size' MB 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 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)
E9NPT-1A6F01CA20	1/0	0.362	1.23	6 x 14 AWG (1/3N)	0.055	1.57	1,035
E9NPT-4A6F01CA20	4/0	0.512	1.38	11 x 14 AWG (1/3N)	0.080	1.77	1,385
E9NPT-A66F01CA20	500	0.789	1.66	25 x 14 AWG (1/3N)	0.080	2.08	2,135
E9NPT-B26F01CA20	750	0.968	1.84	24 x 12 AWG (1/3N)	0.080	2.30	2,765

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