

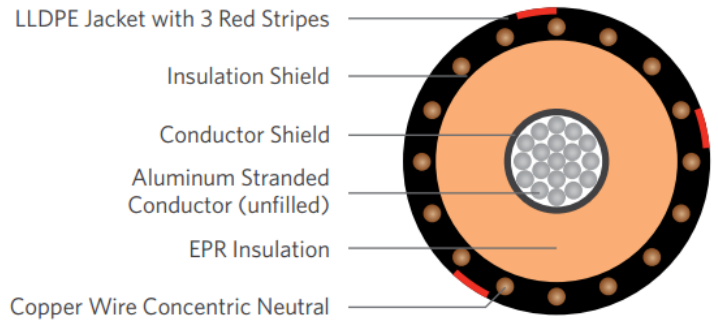
**EPR/CN/LLDPE, Type Primary UD (Aluminum Unfilled)**  
**Series E9NP – 35kV 133% 420mils**

**DESCRIPTION**

The Medium Voltage Primary Underground Distribution (UD) cables consist of an aluminum (unfilled) 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.

**APPLICATION**

- Suitable for underground primary power applications
- For wet or dry locations
- For direct burial or in duct
- Excellent resistance to treeing
- Jacket is sunlight-resistance
- Designed to operate
  - » 105°C for normal operations
  - » 140°C for emergency overload
  - » 250°C for short circuit



**SPECIFICATIONS**

<b>Conductor</b>	Aluminum 1350 compressed Lay stranded Class B (unfilled)
<b>Conductor Strand Shield</b>	Extruded thermoset Super-Smooth Semi-conducting polymer
<b>Insulation</b>	Ethylene Propylene Rubber (EPR)
<b>Neutral</b>	Concentric Neutral
<b>Jacket</b>	Linear Low-Density Polyethylene

<b>Packaging</b>	Non-returnable reels
<b>Performance</b>	ASTM B-3
<b>Compliance</b>	ASTM B-230 ASTM B-231 ICEA S-94-649 AEIC CS8 UL 1072 (MV-90)

**PART NUMBER AND PHYSICAL CHARACTERISTICS**

Part Number	Cond Size AWG/kcmil	Cond Diameter In	Insulation Diameter inches	Copper Concentric Neutral	Jacket Thickness inches	OD inches	Net Weight lbs/mft
E9NPT-1A3F01CA00	1/0	0.358	1.19	6w x 14AWG	0.055	1.39	1,009
E9NPT-4A3F01CA00	4/0	0.507	1.29	11w x 14AWG	0.055	1.53	1,383
E9NPT-A33F01CA00	350	0.654	1.47	18w x 14AWG	0.055	1.81	1,790
E9NPT-B23F01CA00	750	0.958	1.80	24w x 12AWG	0.080	2.20	3,209
E9NPT-B53F01CA00	1000	1.106	1.95	31w x 12AWG	0.080	2.33	3,797

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