

EPR/CN/LLDPE, Type Primary UD (Unfilled)

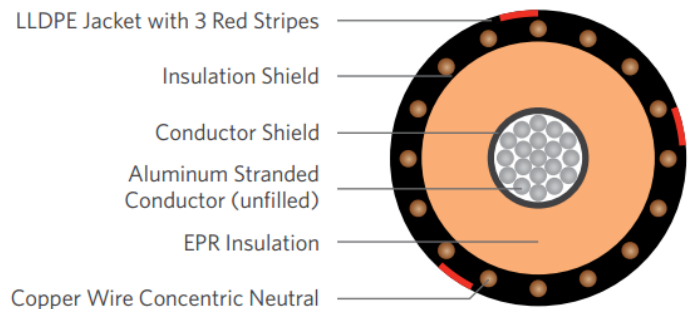
Series E9NPT-1A3F01CA00

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

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

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

PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in.)	Insulation Diameter (in.)	Copper Concentric Neutral	Jacket Thickness (in.)	OD (in.)	Net Weight (lbs./MFT)	Ampacity* (amps)
E9NPT-1A3F01CA00	1/0	0.358	1.19	6w x 14AWG (1/3RCN)	0.055	1.39	1,009	215

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

*Per NEC Table 310.60(C)(82).