

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

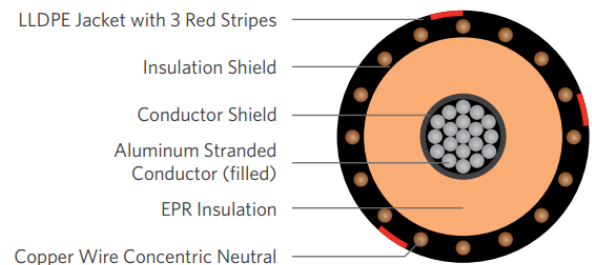
Part Number: E9NPT-A66F01CA00

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist of an Aluminum **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.

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
 - » 90°C for normal operations
 - » 130°C for emergency overload
 - » 250°C for short circuit



SPECIFICATIONS

Conductor	Aluminum 1350 compressed Lay stranded Class B (Filled)
Conductor	Extruded thermoset Super Smooth
Strand Shield	Semi-conducting polymer
Insulation	Ethylene Propylene Rubber (EPR)
Insulation Shield	Carbon Black Filled Cross-Linkable Compound
Neutral	Solid copper wires
Jacket	Linear Low-Density Polyethylene

Packaging	Non-returnable reels
	ASTM B-3
	ASTM B-230
	ASTM B-231
Performance Compliance	ICEA S-94-649
	ICEA T-31-610
	AEIC CS8
	UL 1072 (MV-90)
	RUS U1

1C 500KCM 37-wires Aluminum (Filled), 35kV 133% 420-mils EPR, (25-wires copper x 14AWG) 1/3 Concentric Neutral, LLDPE jacket

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)
E9NPT-A66F01CA00	500	0.773	1.657	25 x 14AWG (1/3CN)	0.080	2.065	2,107

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