

**EPR/CN/LLDPE, Type Primary UD (Al filled)**

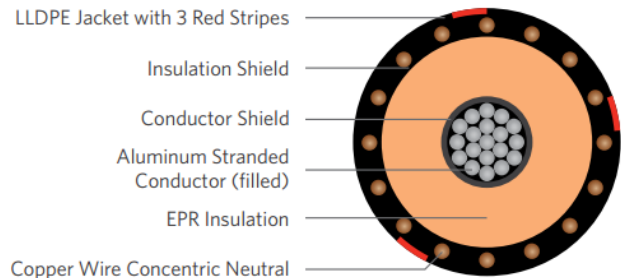
Series: **E9HPT-B83F01CA00**

**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
  - » 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 (filled)
<b>Conductor Strand Shield</b>	Extruded thermoset Semi-conducting polymer
<b>Insulation</b>	Ethylene Propylene Rubber (EPR)
<b>Neutral</b>	Solid copper wires helically applied
<b>Insulation Shield</b>	Extruded thermoset Semi-conducting polymer
<b>Jacket</b>	Linear Low-Density Polyethylene

<b>Packaging</b>	Non-returnable reels
<b>Performance Compliance</b>	ASTM B3
	ASTM B-230
	ASTM B-231
	ICEA S-94-649
	ICEA T-31-610 (water test)
	AEIC CS8
	UL 1072 (MV-90)
	RUS U1

**1C 1250kcmil 91-wires Aluminum (filled), 15kV 100% 175mils EPR, (25-wires copper x 10 AWG) 1/3 reduced 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)
E9HPT-B83F01CA00	1250	1.25	1.64	25 x 10AWG (1/3RCN)	0.080	2.12	2,942

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