

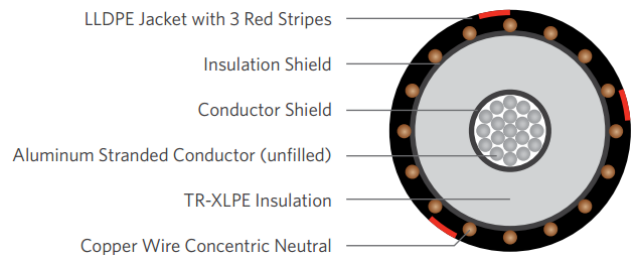
**TR-XLPE/CN/LLDPE, MV-90 Type Primary UD (Unfilled)**  
**Series E9NKM**

**DESCRIPTION**

The Medium Voltage Primary Underground Distribution (UD) cables consist of an Aluminum (unfilled) conductor, tree-retardant cross-linked polyethylene (TR- XLPE) insulation, 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**

<b>Conductor</b>	Aluminum 1350 compressed Lay stranded Class B (Unfilled)
<b>Conductor Strand Shield</b>	Extruded thermoset Semi-conducting polymer
<b>Insulation</b>	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
<b>Neutral</b>	Helically applied copper wires
<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)

**1C Aluminum (unfilled), 35kV 133% 420mils TR-XLPE, full concentric neutral, LLDPE jacket**

**PART NUMBER AND PHYSICAL CHARACTERISTICS**

Part Number	Conductor Size (AWG/kcmil)	Cond Diameter (in.)	Copper Concentric Neutral	Insulation Diameter (in.)	Jacket Thickness (in.)	OD (in.)	Net Weight (lbs./MFT)
E9NKM-023F01CA00	2	0.277	10 x 14AWG	1.150	0.055	1.480	863
E9NKM-1A3F01CA00	1/0	0.355	16 x 14 AWG	1.230	0.055	1.560	1,028
E9NKM-4A3F01CA00	4/0	0.502	32 x 14 AWG	1.380	0.055	1.760	1,480
E9NKM-A33F01CA00	350	0.648	32 x 12 AWG	1.530	0.055	1.940	2,011
E9NKM-A63F01CA00	500	0.773	30 x 10AWG	1.660	0.110	2.060	2,520
E9NKM-B23F01CA00	750	0.949	28 x 8AWG	1.840	0.110	2.250	3,337

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