

TR-XLPE/CN/LLDPE, Type Primary UD, 35kV 100%, 345-mils

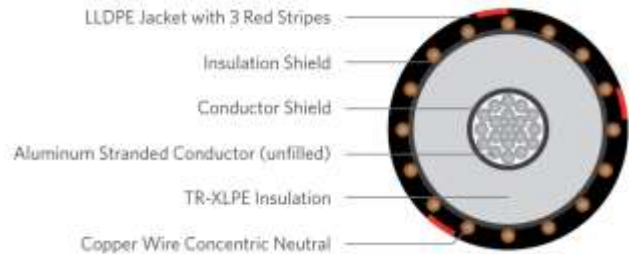
Part Number: E9MKN-B83F01CA00

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist of an Aluminum (unfilled) conductor, covered with tree-retardant cross-linked polyethylene (TR- XLPE), 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
- Jacket is sunlight resistant, meeting the 720-hr exposure test
- Designed to operate continuously at a conductor temperature not exceeding
 - » 90°C for normal operations
 - » 130°C for emergency overload
 - » 250°C for short circuit



SPECIFICATIONS

Conductor	Aluminum 1350 compressed Lay stranded Class B (unfilled)
Conductor Strand Shield	Extruded thermoset semi-conducting polymer
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
Neutral	Solid copper wires
Jacket	Linear Low-Density Polyethylene

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

1C; 1250 KCM; 91-wires Aluminum (unfilled), 35kV, 100%, 345-mils TR-XLPE, (13-wires CU x 12AWG) 1/9 reduced concentric neutral, LLDPE jacket

PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in.)	Copper Concentric Neutral	Insulation Diameter (in.)	Jacket Thickness (in.)	OD (in.)	Net Weight (lbs.MFT)
E9MKN-B83F01CA00	1250KCM	1.22	13 X #12cu	1.98	.080	2.42	2,803

The dimensions and weights shown are nominal and subject to industry standards.