

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

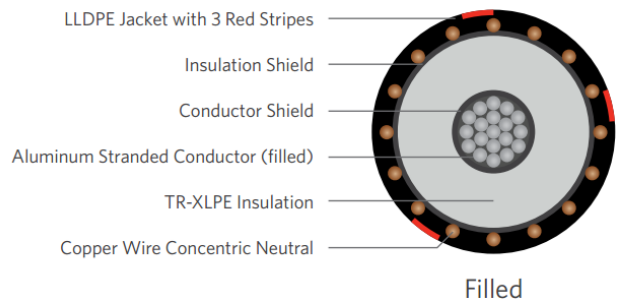
Part Number E9MKJ-A66F01CA20

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist of an aluminum (Filled) conductor, covered with tree-retardant cross-linked polyethylene (TR- XLPE), a concentric neutral of helically applied copper wires, moisture block and a sunlight resistant 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 stranded Class B (filled)
Conductor Strand Shield	Extruded thermoset Semi-conducting polymer
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
Neutral	Concentric Neutral
Moisture Block	Powder
Jacket	Linear Low-Density Polyethylene with water swell-able powder under jacket

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

**1/C 500kcmil 37-wires Aluminum (Filled), 35kV 100% 345mils TR-XLPE, (13-wires copper x 14AWG)
1/6 reduced concentric neutral, moisture block under 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)
Design with filled stranded aluminum							
E9MKJ-A66F01CA20	500	0.773	13 x 14AWG (1/6RCN)	1.630	0.055	1.92	1,617

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