

TR-XLPE/CN/LLDPE, Type Primary UD (Unfilled)

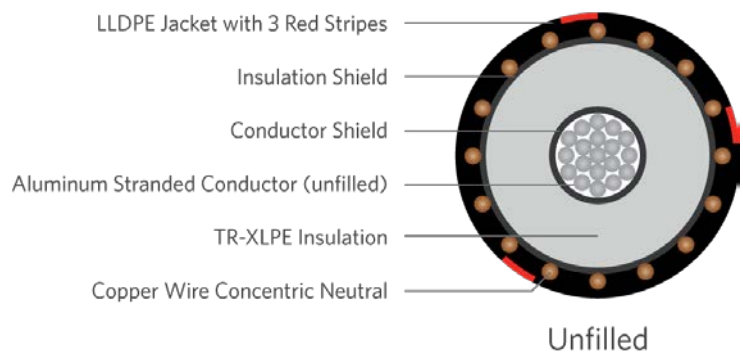
Part Number E9MKV-4A3F01CA00

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 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 (unfilled)
Conductor Strand Shield	Extruded thermoset Semi-conducting polymer
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
Neutral	Concentric Neutral
Jacket	Linear Low-Density Polyethylene

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)

1C 4/0AWG 19-wires Aluminum (unfilled), 35kV 100% 345mils TR-XLPE, (16-wires copper x 14AWG) 1/2 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)
Design with unfilled stranded aluminum							
E9MKV-4A3F01CA00	4/0	0.502	16 x 14AWG (1/2RCN)	1.23	0.055	1.56	1,084

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