

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

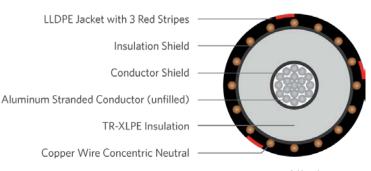
Part Number E9MKV-4A3F01CA00

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



Unfilled

SPECIFICATIONS

Conductor	Aluminum 1350 compressed stranded Class B (unfilled)		
Conductor	Extruded thermoset		
Strand Shield	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.