

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

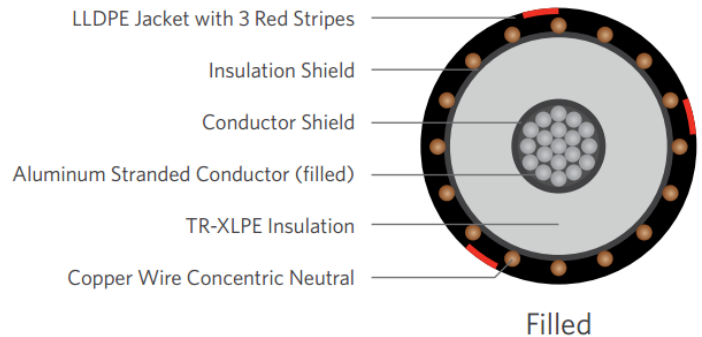
Part Number E9MKT

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
	UL 1072 (MV-90)

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							
E9MKT-1A6F01CA20	1/0	0.358	6 x 14AWG (1/3RCN)	1.10	0.055	1.40	794
E9MKT-3A6F01CA20	3/0	0.451	9 x 14AWG (1/3RCN)	1.20	0.055	1.52	954
E9MKT-4A6F01CA20	4/0	0.507	11 x 14AWG (1/3RCN)	1.26	0.055	1.58	1,060
E9MKT-A66F01CA20	500	0.781	25 x 14AWG (1/3RCN)	1.54	0.080	1.94	1,879
E9MKT-B26F01CA20	750	0.958	24 x 12AWG (1/3RCN)	1.73	0.080	2.18	2,419
E9MKT-B56F01CA20	1000	1.106	31 x 12AWG (1/3RCN)	1.88	0.080	2.37	2,989

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