

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

Series E9LKT – 25kV 133% 320mils, with 1/3RCN

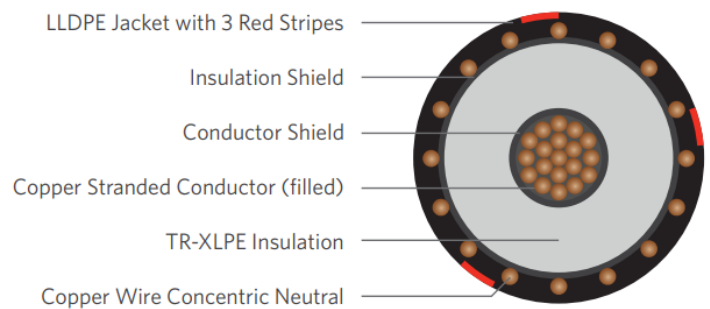
Part Number: E9LKM-1A5B01CA00

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist of a copper filled 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
- Excellent resistance to treeing
- Jacket is sunlight-resistance
- Designed to operate
 - » 90°C for normal operations
 - » 130°C for emergency overload
 - » 250°C for short circuit



SPECIFICATIONS

Conductor	Full annealed bare copper Class B Compressed filled strand	Packaging	Non-returnable reels
Conductor Strand Shield	Extruded thermoset Semi-conducting polymer	Performance	ASTM B-3
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)	Compliance	ASTM B-8
Neutral	Helically applied copper wires		ICEA S-94-649
Jacket	Linear Low-Density Polyethylene		ICEA T-31-610 (water block test)
			AEIC CS8
			UL 1072 (MV-90)
			RUS U1

PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Cond Size AWG/kcmil	Cond Diameter in	Insulation Diameter Inches	Copper Concentric Neutral	Jacket Thickness inches	OD inches	Net Weight lbs/mft
E9LKM-1A5B01CA00	1/0	0.358	1.06	25w x 14AWG (FCN)	0.055	1.40	1181

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