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

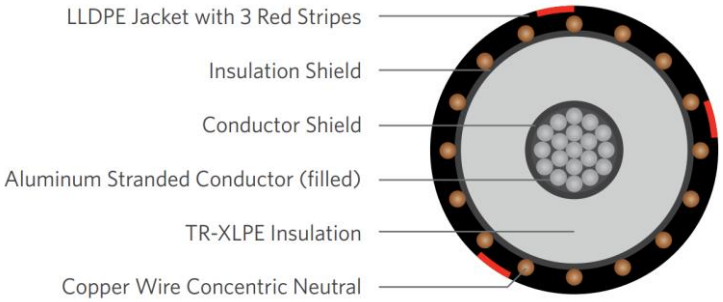
Series E9LKT – 25kV 133% 320mils, with 1/3RCN

DESCRIPTION

The Superior Essex 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, 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	Aluminum 1350 compressed Lay stranded Class B (Filled)
Conductor Strand Shield	Extruded thermoset Super-Smooth Semi-conducting polymer
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
Neutral	Helically applied copper wires
Jacket	Linear Low-Density Polyethylene

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

PART NUMBER AND PHYSICAL CHARACTERISTCS

Part Number	Cond Size AWG/ kcmil	Cond Diameter in	Copper Concentric Neutral	Insulation Diameter in	Jacket Thickness inches	OD inches	Net Weight lbs/mft
E9LKT-1A6F01CA00	1/0	0.358	6 x 14AWG (1/3RCN)	1.01	0.050	1.40	732
E9LKT-2A6F01CA00	2/0	0.401	7 x 14AWG (1/3RCN)	1.05	0.050	1.39	783
E9LKT-4A6F01CA00	4/0	0.507	11 x 14AWG (1/3RCN)	1.15	0.050	1.55	982
E9LKT-A36F01CA00	350	0.654	18 x 14AWG (1/3RCN)	1.30	0.050	1.73	1363
E9LKT-A66F01CA00	500	0.781	25 x 14AWG (1/3RCN)	1.42	0.050	1.89	1679

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