

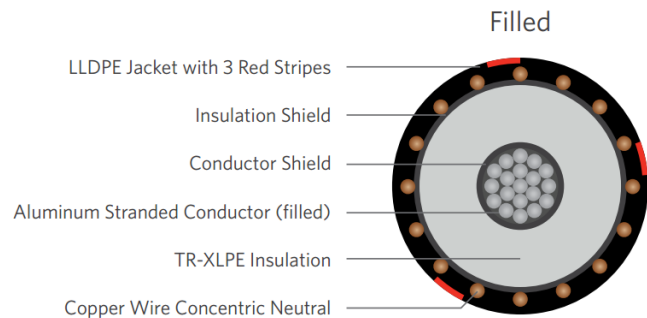
TR-XLPE/CN/LLDPE, MV-90 Type Primary UD (Filled) Series E9NKT

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist of an Aluminum (filled) conductor, tree-retardant cross-linked polyethylene (TR- XLPE) insulation, 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 (unfilled)
Conductor Strand Shield	Extruded thermoset 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	ASTM B-3
Compliance	ASTM B-230
	ASTM B-231
	ICEA S-94-649
	AEIC CS8
	UL 1072 (MV-90)

Aluminum (Filled), 35kV 133% 420mils TR-XLPE 1/3 reduced concentric neutral, LLDPE jacket

PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (AWG/kcmil)	Cond Diameter (in.)	Copper Concentric Neutral	Insulation Diameter (in.)	Jacket Thickness (in.)	OD (in.)	Net Weight (lbs./MFT)
E9NKT-1A6F01CA00	1/0	0.358	6 x 14AWG (1/3RCN)	1.23	0.055	1.57	926
E9NKT-4A6F01CA00	4/0	0.507	11 x 14AWG (1/3RCN)	1.38	0.055	1.77	1,253
E9NKT-A16F01CA00	250	0.552	13 x 14AWG (1/3RCN)	1.43	0.080	1.82	1,358
E9NKT-A36F01CA00	350	0.654	18 x 14AWG (1/3RCN)	1.53	0.080	1.95	1,636
E9NKT-A66F01CA00	500	0.781	25 x 14AWG (1/3RCN)	1.66	0.080	2.08	1,962
E9NKT-B26F01CA00	750	0.958	24 x 12AWG (1/3RCN)	1.84	0.080	2.29	2,555
E9NKT-B56F01CA00	1000	1.106	31 x 12AWG (1/3RCN)	1.99	0.080	2.44	3,043

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