

TR-XLPE/CN/XLPE, Type Primary UD

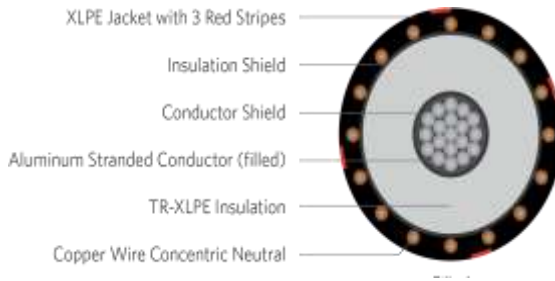
Part Number: **E9NWT-A66F01CA00**

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consists of an aluminum (Filled) conductor, covered with tree-retardant cross-linked polyethylene (TR- XLPE), a concentric neutral of helically applied copper wires and a sunlight resistant cross-linked polyethylene (XLPE) 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
 - » 105°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
Jacket	Cross-linked Polyethylene (XLPE) with water swell-able powder under jacket

Packaging	Non-returnable reels
Performance Compliance	ASTM B-3, B-230, B-231 ICEA S-94-649 ICEA T-31-610 AEIC CS8 RUS U1 (upon request) UL 1072 (MV-105)

1C 500MCM; 37-wires Aluminum (Filled), 35kV 133% 420mils TR-XLPE, (18-wires copper x 14AWG) 1/3 reduced concentric neutral, with an overall XLPE 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
Design with filled stranded aluminum							
E9NWT-A66F01CA00	500MCM	.773	18 x #14cu	1.66	.080	2.06	1,946

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