

**TR-XLPE/CN/XLPE, Type Primary UD**

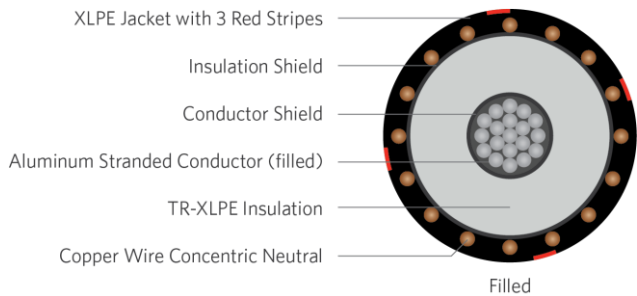
Part Number: **E9NWT-1A6F01CA20**

**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, moisture block 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**

<b>Conductor</b>	Aluminum 1350 compressed stranded Class B (Filled)
<b>Conductor Strand Shield</b>	Extruded thermoset Semi-conducting polymer
<b>Insulation</b>	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
<b>Neutral</b>	Concentric Neutral
<b>Moisture Block</b>	Powder
<b>Jacket</b>	Cross-linked Polyethylene (XLPE) with water swell-able powder under jacket

<b>Packaging</b>	Non-returnable reels
<b>Performance Compliance</b>	ASTM B-3, B-230, B-231 ICEA S-94-649 ICEA T-31-610 ICEA T-34-664 AEIC CS8 RUS U1 (upon request) UL 1072 (MV-105)

**1C 1/0AWG 19-wires Aluminum (Filled), 35kV 133% 420mils TR-XLPE, (6-wires copper x 14AWG) 1/3 reduced concentric neutral, with moisture block under 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
<b>Design with filled stranded aluminum</b>							
E9NWT-1A6F01CA20	1/0	.355	6 x #14cu	1.08	.055	1.56	914

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