

TR-XLPE/CN/XLPE, Type Primary UD – Silicone Free

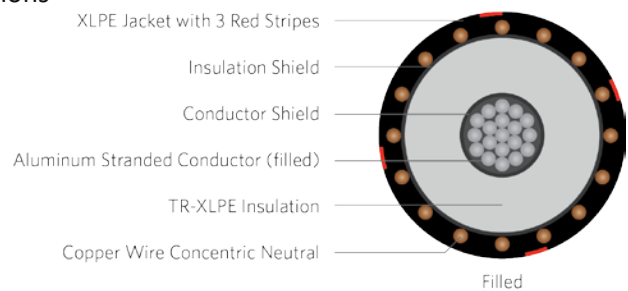
Part Number E9MWT-A16F01CA20

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
 - » 140°C for emergency overload
 - » 250°C for short circuit



SPECIFICATIONS

Conductor	Aluminum 1350 compressed stranded Class B (Filled)	Packaging	Non-returnable reels
Conductor Shield	Semi-conducting Thermoset polymer	Performance Compliance	ASTM B-3, B-230, B-231 ICEA S-94-649 ICEA T-34-644 AEIC CS8 RUS U1 UL 1072 (MV-105)
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)		
Insulation Shield	Semi-conducting Thermoset polymer		
Neutral	Round Copper Wire		
Moisture Block	Water Swellable Powder		
Jacket	Cross-linked Polyethylene (XLPE)		

1C 250 kcmil Aluminum (Filled), 35kV 100% 345mils TR-XLPE, (18 copper wires x 12 AWG) 1/3 reduced concentric neutral, with moisture block 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
E9NWT-1A6F01CA00	250	0.558	10 x 14	1.290	0.055	1.630	1,110