

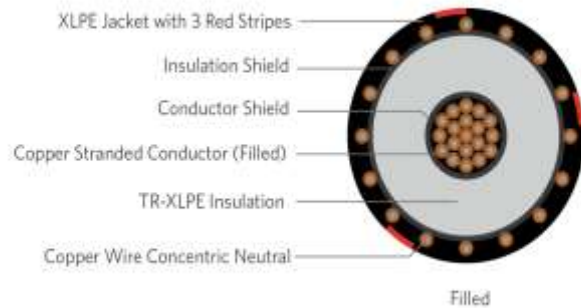
**TR-XLPE/CN/XLPE, Type Primary UD
MV-105; 35KV; 133%; 420-mils; Copper “Filled Strand” Conductor
Part Number: E9NWT-1A5B01CA20**

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consists of a Compressed Copper (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

Conductor	Copper compressed stranded Class B (Filled)
Conductor	Extruded thermoset
Strand Shield	Semi-conducting polymer
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
Neutral	Concentric Neutral (13 x #14awg)
Jacket	Cross-linked Polyethylene (XLPE) With Moisture Block

Packaging	Non-returnable reels ASTM B-3; ASTM B8 ICEA S-94-649
Performance Compliance	ICEA T-31-610 ICEA T-34-664 AEIC CS8 RUS U1 UL 1072 (MV-105)

1C; 1/0AWG; 19-wires Copper (Filled), 35kV; 133%; 420-mils TR-XLPE, (7-wires copper x 14AWG) 1/3 concentric neutral, with moisture block and an 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 copper							
E9NWT-1A5B01CA20	4/0	.355	7 x 14 AWG	1.23	.055	1.56	1,171

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