

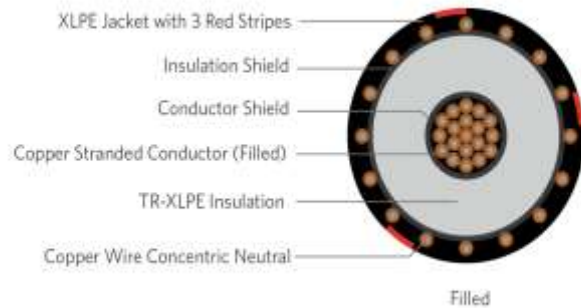
**TR-XLPE/CN/XLPE, Type Primary UD  
MV-105; 35KV; 100%; 345-mils; Copper “Filled Strand” Conductor  
Part Number: E9MWT-A35B01CA20**

**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**

<b>Conductor</b>	Copper compressed stranded Class B (Filled)
<b>Conductor</b>	Extruded thermoset
<b>Strand Shield</b>	Semi-conducting polymer
<b>Insulation</b>	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
<b>Neutral</b>	Concentric Neutral (21 x #14awg)
<b>Jacket</b>	Cross-linked Polyethylene (XLPE) With Moisture Block

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

**1C; 350KCM; 37-wires Copper (Filled), 35kV; 100%; 345-mils TR-XLPE, (21-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
<b>Design with filled stranded copper</b>							
E9MWT-A35B01CA20	350KCM	.648	21 x 14AWG	1.38	.055	1.76	2,267

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