

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

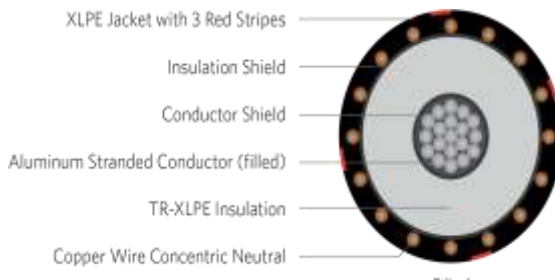
Part Number: **E9MWS-B86F01CA00**

**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**

<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>Jacket</b>	Cross-linked Polyethylene (XLPE)

<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 AEIC CS8 RUS U1 (upon request) UL 1072 (MV-105)

**1C; 1000MCM AWG; 91-wires Aluminum (Filled), 35kV 100% 345-mils TR-XLPE, (12-wires copper x 14AWG); 1/12<sup>th</sup> 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
<b>Design with filled stranded aluminum</b>							
E9MWS-B86F01CA00	1250MCM	1.225	12 x #14cu	1.98	.080	2.38	2,709

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