

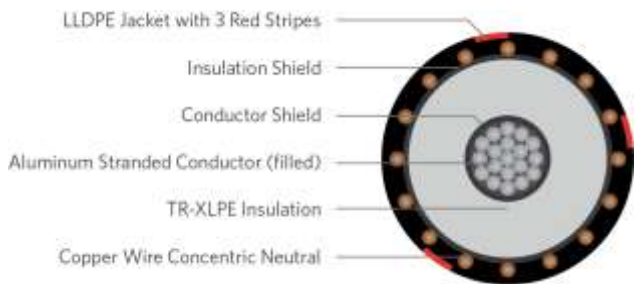
TR-XLPE/CN/LLDPE, Type Primary UD, 35kV 100%, 345-mils; Part Number E9MKW-B86F01CA00

DESCRIPTION

The Medium Voltage Primary Underground Distribution (UD) cables consist 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 linear low-density polyethylene (LLDPE) 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
 - » 90°C for normal operations
 - » 130°C for emergency overload
 - » 250°C for short circuit



SPECIFICATIONS

Conductor	Aluminum 1350 compressed stranded Class B (filled)
Conductor Strand Shield	Extruded thermoset Semi-conducting polymer
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
Neutral	Concentric Neutral
Moisture Block	Powder
Jacket	Linear Low-Density Polyethylene

Packaging	Non-returnable reels
Performance	ASTM B-3, B-230, B-231
Compliance	ICEA S-94-649
	ICEA T-31-610
	AEIC CS8
	RUS U1
	UL 1072 (MV-90)

1/C; 1250KCM; 91-wires Aluminum (Filled), 35kV 100% 345mils TR-XLPE, with a 1/8th concentric neutral (24-wires copper x 14AWG), with overall LLDPE jacket

PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size (AWG/kcmil)	Conductor Diameter (in.)	Copper Concentric Neutral	Insulation Diameter (in.)	Jacket Thickness (in.)	OD (in.)	Net Weight lbs./MFT
Design with filled stranded aluminum							
E9MKW-B86F01CA00	1250	1.225	24 x 14AWG	1.98	.080	2.38	2,802

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