

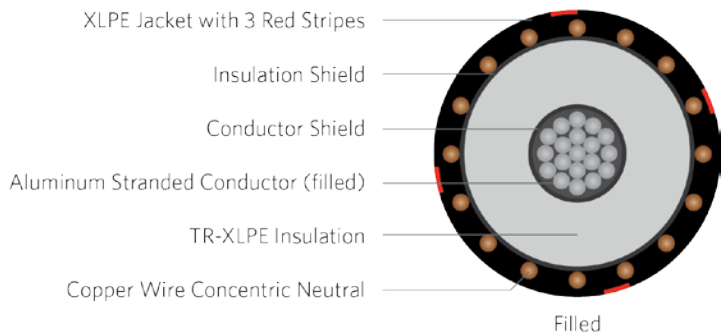
TR-XLPE/CN/XLPE, Type Primary UD
Part Number E9MWx-A66F01CA20

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
 - » 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	Extruded thermoset
Strand Shield	Semi-conducting polymer
Insulation	Tree-Retardant Cross-linked Polyethylene (TR-XLPE)
Neutral	Concentric Neutral
Moisture Block	Powder
Jacket	Cross-linked Polyethylene (XLPE) with water swell-able powder under jacket

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)

1C 500kcmil 37-wires Aluminum (Filled), 35kV 100% 345mils TR-XLPE, (7-wires copper x 14AWG) 1/7 reduced concentric neutral, with moisture block under 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 aluminum							
E9MWx-A66F01CA20	500	0.781	7 x 14AWG (1/7RCN)	1.54	0.080	1.94	1,553

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