

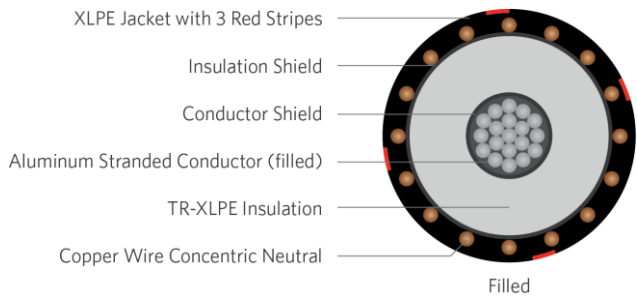
TR-XLPE/CN/XLPE, Type MV-105, Primary UD, 35kV 133%, 420-MILS Single Conductor Filled Aluminum - Silicone Free

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, with a moisture blocked, 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
 - » 140°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	Cross-linked Polyethylene (XLPE) with water swellable powder under jacket

Packaging	Non-returnable reels
Performance Compliance	ASTM B-3, B-230, B-231 ICEA S-94-649 ICEA T-31-610 ICEA T-34-664 AIEC CS8 RUS U1 (upon request) UL 1072 (MV-105)

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							
E9NWT-B56F01CA20	1000KCM	1.10	23 x 12AWG	2.12	.080	2.44	2,917

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