

MV Primary Underground Distribution Cable (Filled)

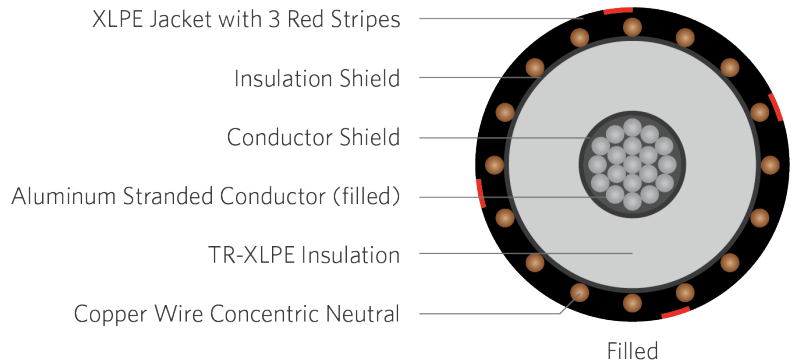
Part Number E9HWM-1A6F01CA00

DESCRIPTION

The Medium Voltage Primary Distribution Underground (UD) cables consist of an Aluminum filled conductor, covered with tree-retardant cross-linked polyethylene (TR-XLPE), helically applied copper wires for full concentric neutral, and a 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
- Excellent resistance to treeing
- Jacket is sunlight-resistance
- Designed to operate
 - » 105°C for normal operations
 - » 140°C for emergency overload
 - » 250°C for short circuit



SPECIFICATIONS

Conductor	Aluminum 1350 compressed lay stranded Class B (filled)	Packaging	Non-returnable reels
Conductor Strand Shield	Extruded thermoset Semi-conducting polymer		ASTM B-3 ASTM B-230 ASTM B-231
Insulation	Tree-retardant Cross-linked Polyethylene (TR-XLPE)	Performance Compliance	ICEA S-94-649 AEIC CS8
Insulation Shield	Extruded thermoset Semi-conducting polymer		
Neutral	Helically concentric wires		UL 1072 (MV-90)
Jacket	Cross-linked Polyethylene (XLPE)		RUS U1

1C 1/0 AWG 19-wires Aluminum (filled), 15kV 100% 175mils TR-XLPE, (12-wires copper x 14AWG) full concentric neutral, XLPE jacket

PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Conductor Size AWG/kcmil	Conductor Diameter (in.)	Insulation Diameter (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Net Weight (lbs./MFT)
E9HWM-1A6F01CA00	1/0	.355	.741	.055	1.049	601

The dimensions and weights shown are nominal and subject to industry standards.