

MV Primary Underground Distribution Cable (Filled)

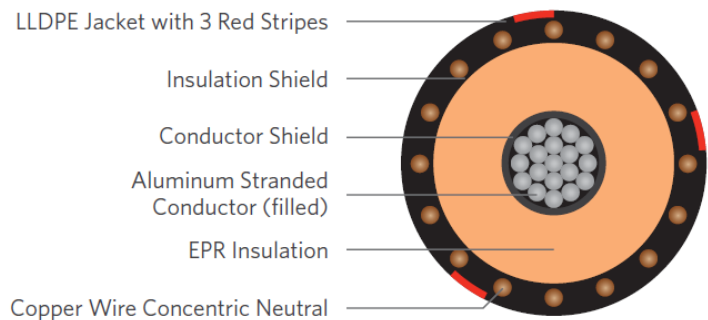
Part Number E9MPT – Al Filled

DESCRIPTION

The Medium Voltage Primary Distribution Underground (UD) cables consist of an Aluminum filled conductor, covered with Ethylene Propylene Rubber (EPR), a concentric neutral of helically applied copper wires, moisture block 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
- 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)
Conductor Strand Shield	Extruded thermoset Semi-conducting polymer
Insulation	Ethylene Propylene Rubber (EPR)
Neutral	Solid copper wires
Moisture Block	Powder
Jacket	Linear Low-Density Polyethylene with water swell-able powder under jacket

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

PART NUMBER 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
E9MPT-1A6F01CA20	1/0	0.358	6 x 14AWG (1/3RCN)	1.10	0.055	1.43	794
E9MPT-3A6F01CA20	3/0	0.451	9 x 14AWG (1/3RCN)	1.20	0.055	1.52	954
E9MPT-4A6F01CA20	4/0	0.507	11 x 14AWG (1/3RCN)	1.26	0.055	1.58	1,060
E9MPT-A66F01CA20	500	0.781	25 x 14AWG (1/3RCN)	1.54	0.080	1.99	1,879
E9MPT-B26F01CA20	750	0.958	24 x 12AWG (1/3RCN)	1.73	0.080	2.18	2,424
E9MPT-B56F01CA20	1000	1.106	31 z 12AWG(1/3RCN)	1.88	0.080	2.37	2,995

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