

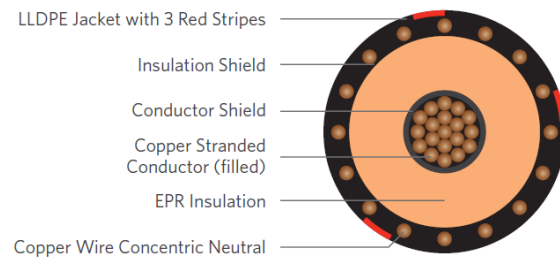
## EPR/CN/LLDPE, Primary UD, 35kV 100%, 345-mils Single Conductor 500kcmil Copper, 1/3 Round Concentric Neutral

### DESCRIPTION

Medium Voltage Primary Underground Distribution (UD) cables consist of a Copper (filled) conductor, covered with ethylene propylene rubber (EPR), a concentric neutral of helically applied copper wires, and a linear low-density polyethylene (LLDPE) jacket with 3 extruded red stripes.

### APPLICATIONS

- Suitable for underground primary power applications: direct burial or In duct.
- For wet or dry locations
- Jacket is sunlight resistant
- Excellent resistance to treeing
- 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



**SERIES E9MPT**

### CONSTRUCTION

<b>CONDUCTOR</b>	Bare Copper, Class B Strand (filled)
<b>STRAND SHIELD</b>	Thermoset semi-conducting polymer
<b>INSULATION</b>	Ethylene Propylene Rubber (EPR)
<b>INSULATION SHIELD</b>	Thermoset semi-conducting polymer
<b>SHIELD</b>	Helically applied, annealed solid bare copper wires
<b>JACKET</b>	Linear Low Density Polyethylene (LLDPE), Three red Stripes
<b>PACKAGING</b>	Non-returnable reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B3 ASTM B8 ICEA S-94-649 ICEA T-31-610 UL 1072 RUS U1
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### SPECIFICATIONS

Part Number	Conductor Size kcmil	Conductor Diameter (in)	Nominal Insulation Diameter (in)	Copper Concentric Neutrals	Nominal Jacket Thickness (in)	Approximate O.D. (in)	Approximate Net Weight (lbs / Kft)
E9MPT-A65B01CA00	500	0.789	1.54	26 x #12	0.080	1.94	3,350

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