EPR/CN/LLDPE, Primary UD, 35kV 100%, 345-mils

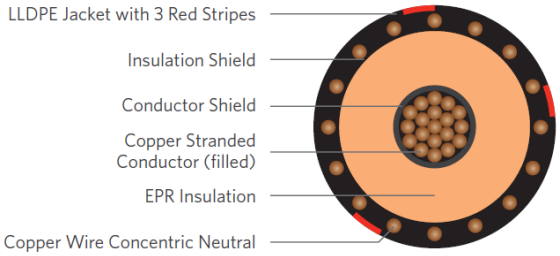
Single Conductor 500kcmil Copper, 1/3 Round Concentric Neutral

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

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

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B3 ASTM B8 ICEA S-94-649 ICEA T-34-644 UL 1072 RUS U1

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-A65B01CA20	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.