

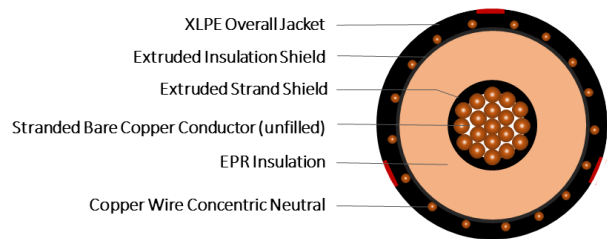
## EPR/CN/XLPE, Type MV-105, Primary UD, 15kV 133%, 220-mils Single Conductor Copper (unfilled)—Silicone Free

### DESCRIPTION

Medium Voltage Primary Underground Distribution (UD) cables consist of a copper (unfilled) conductor, covered with ethylene propylene rubber (EPR), a concentric neutral of helically applied copper wires, and a cross-linked polyethylene (XLPE) 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, meeting the 720-hr exposure test
- 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 E9JYT**

### CONSTRUCTION

<b>CONDUCTOR</b>	Bare annealed copper, Class B Strand Compressed (unfilled)
<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 Reduced wire numbers per ICEA P-45-482 calculations
<b>JACKET</b>	Cross-Linked Polyethylene (XLPE) jacket with three red stripes
<b>PACKAGING</b>	Non-returnable reels

### STANDARDS (Compliance)

<b>PERFORMANCE</b>	AEIC CS8 ASTM B3 ASTM B8 ICEA P-45-482 ICEA S-94-649 UL 1072
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### SPECIFICATIONS

Part Number	Conductor Size (kcmil)	Conductor Diameter (in)	Insulation Diameter (in)	Copper Concentric Neutrals (1/3 Neutral)	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Net Weight (lbs / Mft)
E9JYT-B51B01CA00	1000	1.117	1.59	24 x 10AWG	0.080	2.08	4,860

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