

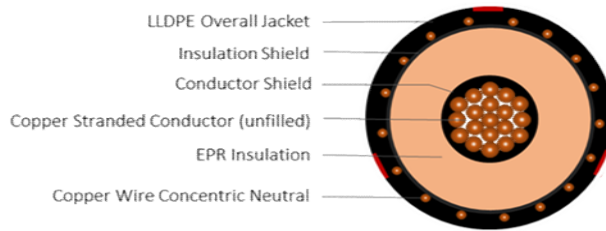
**EPR/CN/LLDPE, Type MV-90, Primary UD, 25kV 133%, 320-MILS  
Single Conductor Un-Filled Copper -Silicone Free**

**DESCRIPTION**

This specification covers cables that consist of Copper un-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, meeting the 720-hr exposure test.
- Excellent resistance to treeing.
- Designed to operate continuously at a conductor temperature not exceeding
  - >> 90°C for normal operations
  - >> 130°C for emergency overload
  - >> 250°C for short circuit



| CONSTRUCTION             |  | STANDARDS (Compliance) |  |
|--------------------------|--|------------------------|--|
| <b>CONDUCTOR</b>         | Annealed bare copper (unfilled)<br>Class B Strand Compressed | <b>PERFORMANCE</b>     | AEIC CS8<br>ASTM B3<br>ASTM B8<br>ICEA S-94-649<br>UL 1072 |
| <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)                      |                        |  |
| <b>PACKAGING</b>         | Non-returnable wooden reels                                  |                        |  |

| SPECIFICATIONS   |                |                         |                          |                    |                       |                               |                              |
|------------------|----------------|-------------------------|--------------------------|--------------------|-----------------------|-------------------------------|------------------------------|
| Part Number      | Conductor Size | Conductor Diameter (in) | Insulation Diameter (in) | Metallic Shield    | Jacket Thickness (in) | Approx. Overall Diameter (in) | Approx. Net Weight (lbs/kft) |
| E9LPT-011B01CA00 | 1 AWG          | 0.322                   | 0.99                     | 7 x 14 AWG (1/3N)  | 0.055                 | 1.31                          | 930                          |
| E9LPT-1A1B01CA00 | 1/0 AWG        | 0.362                   | 1.03                     | 9 x 14 AWG (1/3N)  | 0.055                 | 1.35                          | 1,050                        |
| E9LPT-4A1B01CA00 | 4/0 AWG        | 0.512                   | 1.18                     | 18 x 14 AWG (1/3N) | 0.055                 | 1.52                          | 1,605                        |

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