

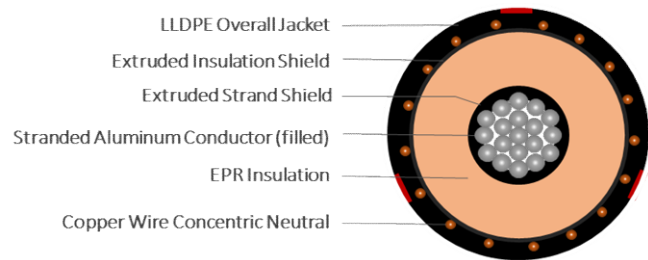
## EPR/CN/LLDPE, Type MV-90, Primary UD, 15kV 133%, 220-MILS Single Conductor Filled Aluminum -Silicone Free

### DESCRIPTION

This specification covers cables that consist of Aluminum filled conductor, covered with ethylene propylene rubber (EPR), a concentric neutral of helically applied copper wires, and a moisture blocked 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
  - 105°C for normal operations
  - 140°C for emergency overload
  - 250°C for short circuit



| CONSTRUCTION             |  | STANDARDS (Compliance) |  |
|--------------------------|--|------------------------|--|
| <b>CONDUCTOR</b>         | 1350 Aluminum (filled)<br>Class B Strand Compressed      | <b>PERFORMANCE</b>     | AEIC CS8<br>ASTM B-3<br>ASTM B-230<br>ASTM B-231<br>ICEA S-94-649<br>ICEA-T-34-664<br>ICEA-T-31-610<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>            | Moisture blocked 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) |
| E9JPT-B26F01CA21 | 750 kcmil      | 0.968                   | 1.44                     | 15 x 10 AWG (1/3N) | 0.080                 | 1.91                          | 2,118                        |

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

| ELECTRICAL CHARACTERISTICS |                            |                                |
|----------------------------|----------------------------|--------------------------------|
| Part Number                | Conductor Size (AWG/kcmil) | Ampacity (Amps) Direct Buried* |
| E9JPT-B26F01CA21           | 750 kcmil                  | 545                            |

\* Based on ANSI/ICEA P-117-734-2022, Table 7-2, Trefoil, 100% Load factor, Earth Rho 90°C