

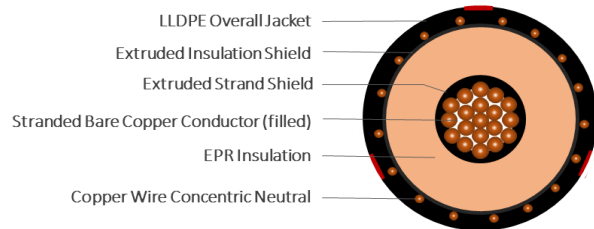
**EPR/CN/LLDPE, Type MV-90, Primary UD, 35kV 100%, 345-MILS
Single Conductor Filled Copper -Silicone Free**

DESCRIPTION

This specification covers cables that consist of Copper 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) | |
|--------------------------|--|------------------------|---|
| CONDUCTOR | Annealed bare copper (filled) Class B Strand Compressed | PERFORMANCE | AEIC CS8 ASTM B-3 ASTM B-8 ICEA S-94-649 ICEA-T-34-664 UL 1072 |
| 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 | Moisture blocked Linear low-density polyethylene (LLDPE) | | |
| PACKAGING | 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) |
| E9MPG-B55B01CA20 | 1000 kcmil | 1.117 | 1.84 | 18 x 14 AWG (CUSTOM) | 0.080 | 2.26 | 4,663 |

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