

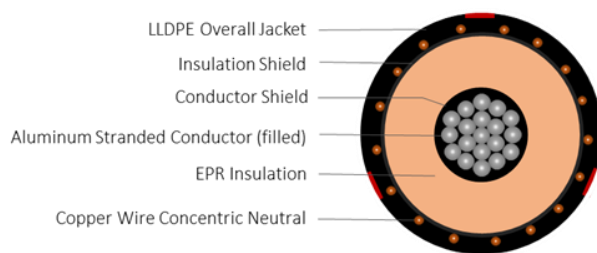
## EPR/CN/LLDPE Power, MV-90 Type Primary UD, 15kV 133% Single Conductor Filled Aluminum - Silicone Free

### DESCRIPTION

The Medium Voltage Underground Distribution (UD) cables consist of an aluminum 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 U15BEL**

### CONSTRUCTION

|                          |   |
|--------------------------|---|
| <b>CONDUCTOR</b>         | Aluminum 1350 (filled)<br>Class B compressed strand   |
| <b>STRAND SHIELD</b>     | Extruded thermoset semi-conducting polymer over the conductor   |
| <b>INSULATION</b>        | Ethylene propylene rubber (EPR)   |
| <b>INSULATION SHIELD</b> | Extruded thermoset semi-conducting polymer over the insulation  |
| <b>SHIELD</b>            | Helically applied, annealed, solid bare copper wires  |
| <b>JACKET</b>            | Linear low-density polyethylene (LLDPE)   |
| <b>JACKET MARKING</b>    | 00000 FT LS CABLE XXXKCMIL (or AWG) FS AL 1/C 15KV 133%<br>INSUL LEVEL 220 MILS EPR<br>'No. of Neutral' X # 'Neutral size'<br>LLDPE JKT MV-90 (UL)<br>MADE IN USA MM/DD/YYYY<br>(LIGHTNING BOLT SYMBOL) |
| <b>PACKING</b>           | Non-returnable wood reels   |

### STANDARDS (Compliance)

|                    |  |
|--------------------|--|
| <b>PERFORMANCE</b> | AEIC CS8<br>ASTM B3<br>ASTM B230<br>ASTM B231<br>ICEA S-94-649<br>ICEA T-31-610<br>UL 1072<br>RUS U1 |
| <b>OTHER</b>       | OSHA   |

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

| SPECIFICATIONS        |                            |                         |                          |                                |                       |                  |                          |
|-----------------------|----------------------------|-------------------------|--------------------------|--------------------------------|-----------------------|------------------|--------------------------|
| Part Number           | Conductor Size (AWG/kcmil) | Conductor Diameter (in) | Insulation Diameter (in) | Concentric Neutral (No. x AWG) | Jacket Thickness (in) | Approx. O.D (in) | Approx. Weight (lbs/kft) |
| U15BEL-1AFB-1CZ-R1Z-Z | 1/0 AWG                    | 0.362                   | 0.86                     | 16 x 14 AWG (FCN)              | 0.050                 | 1.19             | 730                      |
| U15BEL-75FB-1CZ-R3Z-Z | 750kcmil                   | 0.968                   | 1.50                     | 24x 12 AWG (1/3N)              | 0.075                 | 1.93             | 2,105                    |

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