

## EPR/CN/LLDPE, Type Primary UD (Al filled)

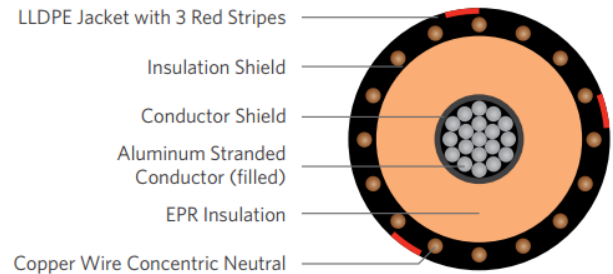
Series: E9JP

### DESCRIPTION

The Medium Voltage Primary 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.

### APPLICATION

- Suitable for underground primary power applications
- For wet or dry locations
- For direct burial or in duct
- Excellent resistance to treeing
- Jacket is sunlight-resistance
- Designed to operate
  - » 105°C for normal operations
  - » 140°C for emergency overload
  - » 250°C for short circuit



### SPECIFICATIONS

|                      |  |
|----------------------|--|
| <b>Conductor</b>     | Aluminum 1350 compressed Lay stranded Class B (filled) |
| <b>Conductor</b>     | Extruded thermoset                                     |
| <b>Strand Shield</b> | Semi-conducting polymer                                |
| <b>Insulation</b>    | Ethylene propylene Rubber (EPR)                        |
| <b>Neutral</b>       | Solid copper wires helically applied                   |
| <b>Insulation</b>    | Extruded thermoset                                     |
| <b>Shield</b>        | Semi-conducting polymer                                |
| <b>Jacket</b>        | Linear Low-Density Polyethylene                        |

|                    |                            |
|--------------------|----------------------------|
| <b>Packaging</b>   | Non-returnable reels       |
|                    | ASTM B3                    |
|                    | ASTM B-230                 |
|                    | ASTM B-231                 |
| <b>Performance</b> | ICEA S-94-649              |
| <b>Compliance</b>  | ICEA T-31-610 (water test) |
|                    | AEIC CS8                   |
|                    | UL 1072 (MV-90)            |
|                    | RUS U1                     |

### PART NUMBER AND PHYSICAL CHARACTERISTICS

| Part Number                           | Cond Size AWG | Cond Diameter in | Insulation Diameter in | Copper Concentric Neutral | Jacket Thickness inches | OD inches | Net Weight lbs/mft |
|---------------------------------------|---------------|------------------|------------------------|---------------------------|-------------------------|-----------|--------------------|
| <b>1/3 Reduced Concentric Neutral</b> |               |                  |                        |                           |                         |           |                    |
| E9JPT-1A6FOC1A00                      | 1/0           | 0.358            | 0.850                  | 6 x 14AWG                 | 0.055                   | 1.16      | 564                |
| <b>Full Concentric Neutral</b>        |               |                  |                        |                           |                         |           |                    |
| E9JPM-1A6F01CA00                      | 1/0           | 0.358            | 0.850                  | 16 x 14AWG                | 0.055                   | 1.16      | 678                |

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