

## EPR/CN/XLPE, Type Primary UD (Filled)

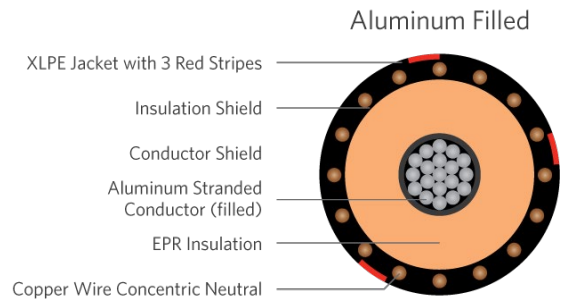
Part Number: E9JYT-1A6F01CA20

### 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, moisture block and a sunlight resistant cross-linked polyethylene (XLPE) 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 Strand Shield</b> | Extruded thermoset Semi-conducting polymer                                 |
| <b>Insulation</b>              | Ethylene Propylene Rubber (EPR)  |
| <b>Neutral</b>                 | Solid copper wires   |
| <b>Moisture Block</b>          | Powder   |
| <b>Jacket</b>                  | Cross-Linked Polyethylene (XLPE) with water swell-able powder under jacket |

|                    |   |
|--------------------|---|
| <b>Packaging</b>   | Non-returnable reels  |
| <b>Performance</b> | ASTM B-3  |
| <b>Compliance</b>  | ASTM B-230<br>ASTM B-231<br>ICEA S-94-649<br>AEIC CS8<br>UL 1072 (MV-105)<br>RUS U1 |

**1C 1/0AWG 19-wires Aluminum (filled), 15kV 133% 220mils EPR, (6-wires copper x 14AWG) 1/3 reduced concentric neutral with moisture block under XLPE jacket**

### PART NUMBER AND PHYSICAL CHARACTERISTICS

| Part Number      | Conductor Size (AWG/kcmil) | Conductor Diameter (in.) | Copper Concentric Neutral | Insulation Diameter (in.) | Jacket Thickness (in.) | OD (in.) | Net Weight (lbs./MFT) |
|------------------|----------------------------|--------------------------|---------------------------|---------------------------|------------------------|----------|-----------------------|
| E9JYT-1A6F01CA20 | 1/0                        | 0.355                    | 6 x 14AWG (1/3 RCN)       | 0.831                     | 0.055                  | 1.140    | 444                   |

The dimensions and weights shown are nominal and subject to industry standards.