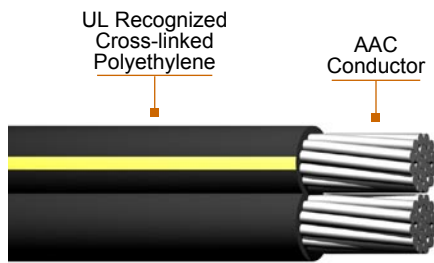


Secondary UD Duplex 600V (RUS Technically Accepted)

Aluminum Conductor Cross-linked Polyethylene (XLPE) Insulation, one phase with neutral. 600V



Detail Description or Construction Conductor

Stranded, compressed 1350-H19 aluminum insulated with Cross-linked Polyethylene (XLPE). Neutrals are identified with triple solid yellow stripes. One phase conductor and one neutral conductor cabled together.

Application

The 600V Secondary UD Duplex Cable is mainly used for secondary distribution and underground service either direct burial or in ducts. The cable is designed for use at 600 volts or less.

Standards / Testing Specifications

Secondary UD single conductor 600V cable meets or exceeds the following ASTM specifications.

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.
- B-231 Aluminum 1350 Conductors, Concentric-Lay-Stranded.

Secondary UD duplex conductor 600V cable meets or exceeds all applicable requirements of ICEA S-105-692.

- "USE-2" per U.L. 854 available upon request.

Marking

PD WIRE & CABLE UL FILE SIZE Y AWG
AL EC1350 TYPE USE-2 600V XLPE (UL)
VEN 2005 PHASE A.

Installation

For secondary distribution and underground service either direct burial or in ducts.



Secondary UD Duplex 600V (RUS Technically Accepted)

Aluminum Conductor Cross-linked Polyethylene (XLPE) Insulation, one phase with neutral. 600V

| Code Word | Phase Conductor | | | Neutral | | | Diameter | | Approx. Weight lb/1000 ft | Allowable Ampacities (Raceway, Cable, Ducts) |
|-----------|-----------------|-----------------|----------------------|---------|-----------------|----------------------|------------------------|----------------|------------------------------|---|
| | Size | Number of Wires | Insulation Thickness | Size | Number of Wires | Insulation Thickness | Single Phase Conductor | Complete Cable | | |
| | AWG | | in | AWG | | in | in | in | | |

DUPLEXED WITH TRIPLE SOLID YELLOW STRIPES NEUTRAL

| | | | | | | | | | | |
|---------|---|---|-------|---|---|-------|-------|-------|-----|-----|
| Clafin | 6 | 7 | 0.060 | 6 | 7 | 0.060 | 0.298 | 0.596 | 91 | 70 |
| Delgado | 4 | 7 | 0.060 | 4 | 7 | 0.060 | 0.344 | 0.688 | 129 | 110 |

| Code Word | Phase Conductor | | | Neutral | | | Diameter | | Approx. Weight kg / km | Allowable Ampacities* (Raceway, Cable, Direct Burial) |
|-----------|-----------------|-----------------|----------------------|---------|-----------------|----------------------|------------------------|----------------|---------------------------|--|
| | Size | Number of Wires | Insulation Thickness | Size | Number of Wires | Insulation Thickness | Single Phase Conductor | Complete Cable | | |
| | AWG | | mm | AWG | | mm | mm | mm | | |

DUPLEXED WITH TRIPLE SOLID YELLOW STRIPES NEUTRAL

| | | | | | | | | | | |
|---------|---|---|------|---|---|------|-----|------|-----|-----|
| Clafin | 6 | 7 | 1.52 | 6 | 7 | 1.52 | 7.6 | 15.1 | 135 | 70 |
| Delgado | 4 | 7 | 1.52 | 4 | 7 | 1.52 | 8.7 | 17.5 | 192 | 110 |

* 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor.
The above data are approximate and subject to normal manufacturing tolerances.