



## 600 VOLT SECONDARY UD

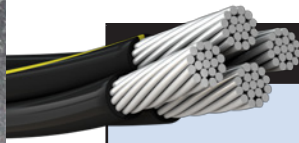
- APPLICATION:** Directly buried or installed in ducts for 600 volt secondary distribution.
- PRODUCT FEATURES:** Concentric stranded or compressed 1350-H19 aluminum conductor, crosslinked polyethylene insulation. Insulated conductors surface printed, neutral, triple yellow striped or solid yellow. Black neutrals may be specified if desired.
- STANDARDS:** ASTM B-230, B-231 and ICEA S-105-692 UL Standard 854 for Type USE-2 Federal Specification JC-30B NEC

**Duplex Conductor 600 Volt Secondary Type URD Cable - Aluminum Conductor**

| Code Word | Phase Conductors |        |                            | Neutral Conductor |        |                            | Single Phase Conductor (in) | Outside Diameter (in) | Weight per 1000 ft (lbs) | Ampacity      |         |
|-----------|------------------|--------|----------------------------|-------------------|--------|----------------------------|-----------------------------|-----------------------|--------------------------|---------------|---------|
|           | Size AWG         | Strand | Insulation Thickness (MLS) | Size AWG          | Strand | Insulation Thickness (MLS) |                             |                       |                          | Direct Burial | In Duct |
| Bard      | 8                | 7/W    | 60                         | 8                 | 7/W    | 60                         | .262                        | .524                  | 76                       | 70            | 55      |
| Clafin    | 6                | 7/W    | 60                         | 6                 | 7/W    | 60                         | .299                        | .596                  | 91                       | 95            | 70      |
| Delgado   | 4                | 7/W    | 60                         | 4                 | 7/W    | 60                         | .345                        | .690                  | 129                      | 125           | 90      |
| Everett   | 2                | 7/W    | 60                         | 2                 | 7/W    | 60                         | .403                        | .808                  | 187                      | 187           | 100     |

**Triplex Conductor 600 Volt Secondary Type URD Cable - Aluminum Conductor**

| Code Word  | Phase Conductors |        |                            | Neutral Conductor |        |                            | Single Phase Conductor (in) | Outside Diameter (in) | Weight per 1000 ft (lbs) | Ampacity      |         |
|------------|------------------|--------|----------------------------|-------------------|--------|----------------------------|-----------------------------|-----------------------|--------------------------|---------------|---------|
|            | Size AWG         | Strand | Insulation Thickness (MLS) | Size AWG          | Strand | Insulation Thickness (MLS) |                             |                       |                          | Direct Burial | In Duct |
| Erksine    | 6                | 7/w    | 60                         | 6                 | 7/w    | 60                         | .299                        | .646                  | 143                      | 95            | 70      |
| Vassar     | 4                | 7/w    | 60                         | 4                 | 7/w    | 60                         | .345                        | .754                  | 203                      | 125           | 90      |
| Stephens   | 2                | 7/w    | 60                         | 4                 | 7/w    | 60                         | .403                        | .842                  | 264                      | 165           | 120     |
| Ramapo     | 2                | 7/w    | 60                         | 2                 | 7/w    | 60                         | .403                        | .874                  | 294                      | 165           | 120     |
| Brenau     | 1/0              | 19/w   | 80                         | 2                 | 7/w    | 60                         | .522                        | 1.064                 | 408                      | 215           | 160     |
| Bergen     | 1/0              | 19/w   | 80                         | 1/0               | 19/w   | 80                         | .522                        | 1.133                 | 465                      | 215           | 160     |
| Converse   | 2/0              | 19/w   | 80                         | 1                 | 19/w   | 80                         | .566                        | 1.174                 | 502                      | 245           | 180     |
| Hunter     | 2/0              | 19/w   | 80                         | 2/0               | 19/w   | 80                         | .566                        | 1.228                 | 560                      | 245           | 180     |
| Hollins    | 3/0              | 19/w   | 80                         | 1/0               | 19/w   | 80                         | .616                        | 1.276                 | 606                      | 280           | 205     |
| Sweetbriar | 4/0              | 19/w   | 80                         | 2/0               | 19/w   | 80                         | .672                        | 1.389                 | 739                      | 315           | 240     |
| Monmouth   | 4/0              | 19/w   | 80                         | 4/0               | 19/w   | 80                         | .672                        | 1.457                 | 828                      | 315           | 240     |
| Pratt      | 250              | 37/w   | 95                         | 3/0               | 19/w   | 80                         | .748                        | 1.538                 | 893                      | 345           | 265     |
| Wesleyan   | 350              | 37/w   | 95                         | 4/0               | 19/w   | 80                         | .851                        | 1.736                 | 1166                     | 415           | 320     |
| Rider      | 500              | 37/w   | 95                         | 350               | 37/w   | 95                         | .979                        | 2.035                 | 1663                     | 495           | 395     |
| Fairfield  | 750              | 61/w   | 110                        | 500               | 37/w   | 95                         | 1.118                       | 2.860                 | 2304                     | 615           | 525     |



### Quadruplex Conductor 600 Volt Secondary Type URD Cable - Aluminum Conductor

| Code Word     | Phase Conductors |        |                            | Neutral Conductor |        |                            | Single Phase Conductor (in) | Outside Diameter (in) | Weight per 1000 ft (lbs) | Ampacity      |         |
|---------------|------------------|--------|----------------------------|-------------------|--------|----------------------------|-----------------------------|-----------------------|--------------------------|---------------|---------|
|               | Size AWG         | Strand | Insulation Thickness (MLS) | Size AWG          | Strand | Insulation Thickness (MLS) |                             |                       |                          | Direct Burial | In Duct |
| Tulsa         | 4                | 7/w    | 60                         | 4                 | 7/w    | 60                         | .345                        | .833                  | 258                      | 119           | 85      |
| Dyke          | 2                | 7/w    | 60                         | 4                 | 7/w    | 60                         | .403                        | .938                  | 346                      | 153           | 115     |
| Wittenberg    | 2                | 7/w    | 60                         | 2                 | 7/w    | 60                         | .403                        | .973                  | 375                      | 153           | 115     |
| Notre Dame    | 1/0              | 19/w   | 80                         | 2                 | 7/w    | 60                         | .522                        | 1.188                 | 541                      | 198           | 150     |
| Purdue        | 1/0              | 19/w   | 80                         | 1/0               | 19/w   | 80                         | .522                        | 1.260                 | 596                      | 198           | 150     |
| Syracuse      | 2/0              | 19/w   | 80                         | 1                 | 19/w   | 80                         | .566                        | 1.316                 | 664                      | 225           | 170     |
| Wake Forest   | 4/0              | 19/w   | 80                         | 2/0               | 19/w   | 80                         | .672                        | 1.560                 | 979                      | 290           | 225     |
| Rust          | 250              | 37/w   | 95                         | 3/0               | 19/w   | 80                         | .748                        | 1.725                 | 1,176                    | 319           | 240     |
| Slippery Rock | 350              | 37/w   | 95                         | 4/0               | 19/w   | 80                         | .851                        | 1.945                 | 1,544                    | 385           | 305     |
| Wofford       | 500              | 37/w   | 95                         | 350               | 37/w   | 95                         | .851                        | 2.348                 | 2,174                    | 467           | 420     |
| Westminster   | 750              | 61/w   | 110                        | 350               | 37/w   | 95                         | .979                        | 2.722                 | 2,816                    | 615           | 492     |

Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. All Yellow Extruded Stripe, cable is XLP insulation.

\* To determine correct ampacity by conductor size, please consult the National Electric Code, latest edition. The above data are approximate and subject to normal manufacturing tolerances.