



## Specification Sheet

**BWC Part Number #: RIDER**

### Triplex Aluminum Conductor 600V URD

#### Application

Triplex Aluminum 600V URD cable is designed for use in secondary distribution circuits where it is installed in ducts or direct burial applications. The maximum operating temperature is not to exceed 90°C in both wet and dry locations, with a voltage rating of 600 volts. This cable can also be provided pre-pulled into a duct.

#### Construction

- **Conductor:** The conductors are concentric stranded or compressed 1350-H19 series aluminum.
- **Insulation:**
  - Phase Conductors: Insulated with black, sunlight-resistant cross-linked polyethylene (XLP).
  - Neutral Conductor: Insulated with black XLP featuring three extruded yellow stripes for identification.
- **Assembly:** Two phase conductors are cabled together with the neutral conductor. The neutral conductor has a yellow stripe and sequential footage markings for identification.

#### Standards

- ASTM B-230, B-231, B-609, B-901
- ICEA S-105-692
- Federal Specification A-A-59544A
- UL 854 for Type USE-2, Sunlight Resistant
- RUS Accepted





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| PART NUMBER/CODE<br>WORD | PHASE<br>CONDUCTORS<br>SIZE<br>(AWG/KCMIL) | PHASE<br>CONDUCTOR<br>S NO. OF<br>STRANDS | PHASE<br>CONDUCTORS<br>INSULATION<br>THICKNESS<br>(INCH) | NEUTRAL<br>SIZE<br>(AWG/KCMIL) | NEUTRAL<br>NO OF<br>STRANDS | NEUTRAL<br>INSULATION<br>THICKNESS<br>(INCH) | DIAMETER<br>SINGLE<br>PHASE COND<br>(INCH) | DIAMETER<br>COMPLETE<br>CABLE<br>(INCH) | WEIGHT<br>(LBS/<br>KFT) | AMPACITY<br>** DIRECT<br>BURIAL<br>(AMPS) | AMPACITY<br>** IN DUCT<br>(AMPS) |
|--------------------------|--------------------------------------------|-------------------------------------------|----------------------------------------------------------|--------------------------------|-----------------------------|----------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|-------------------------------------------|----------------------------------|
| ERSKINE                  | 6                                          | 7                                         | .060                                                     | 6                              | 7                           | .060                                         | .30                                        | .64                                     | 143                     | 95                                        | 70                               |
| VASSAR                   | 4                                          | 7                                         | .060                                                     | 4                              | 7                           | .060                                         | .35                                        | .75                                     | 202                     | 125                                       | 90                               |
| STEPHENS                 | 2                                          | 7                                         | .060                                                     | 4                              | 7                           | .060                                         | .40                                        | .87                                     | 262                     | 165                                       | 120                              |
| RAMPAPO                  | 2                                          | 7                                         | .060                                                     | 2                              | 7                           | .060                                         | .40                                        | .87                                     | 292                     | 165                                       | 120                              |
| BRENAU                   | 1/0                                        | 19                                        | .080                                                     | 2                              | 7                           | .060                                         | .51                                        | 1.11                                    | 406                     | 215                                       | 160                              |
| BERGEN                   | 1/0                                        | 19                                        | .080                                                     | 1/0                            | 19                          | .080                                         | .51                                        | 1.11                                    | 463                     | 215                                       | 160                              |
| CONVERSE                 | 2/0                                        | 19                                        | .080                                                     | 1                              | 19                          | .080                                         | .56                                        | 1.20                                    | 501                     | 245                                       | 180                              |
| HUNTER                   | 2/0                                        | 19                                        | .080                                                     | 2/0                            | 19                          | .080                                         | .56                                        | 1.20                                    | 559                     | 245                                       | 180                              |
| HOLLINS                  | 3/0                                        | 19                                        | .080                                                     | 1/0                            | 19                          | .080                                         | .60                                        | 1.30                                    | 606                     | 280                                       | 205                              |
| ROCKLAND                 | 3/0                                        | 19                                        | .080                                                     | 3/0                            | 19                          | .080                                         | .60                                        | 1.30                                    | 677                     | 280                                       | 205                              |
| SWEETBRIAR               | 4/0                                        | 19                                        | .080                                                     | 2/0                            | 19                          | .080                                         | .66                                        | 1.42                                    | 737                     | 315                                       | 240                              |
| MONMOUTH                 | 4/0                                        | 19                                        | .080                                                     | 4/0                            | 19                          | .080                                         | .66                                        | 1.42                                    | 826                     | 315                                       | 240                              |
| PRATT                    | 250                                        | 37                                        | .095                                                     | 3/0                            | 19                          | .080                                         | .75                                        | 1.62                                    | 888                     | 345                                       | 265                              |





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|--------------------------|--------------------------------------------|-------------------------------------------|----------------------------------------------------------|--------------------------------|-----------------------------|----------------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|-------------------------------------------|----------------------------------|
| WESLEYAN                 | 350                                        | 37                                        | .095                                                     | 4/0                            | 19                          | .080                                         | .85                                        | 1.84                                    | 1157                    | 415                                       | 320                              |
| HOLYOKE                  | 500                                        | 37                                        | .095                                                     | 300                            | 37                          | .095                                         | .98                                        | 2.12                                    | 1591                    | 495                                       | 395                              |
| RIDER                    | 500                                        | 37                                        | .095                                                     | 350                            | 37                          | .095                                         | .98                                        | 2.12                                    | 1646                    | 495                                       | 395                              |
| FAIRFIELD                | 750                                        | 61                                        | .110                                                     | 500                            | 37                          | .095                                         | 1.19                                       | 2.40                                    | 2289                    | 620                                       | 495                              |

\*Table data sourced from. All values are nominal and subject to correction.

\*\*Ampacity is based on 90°C conductor temperature, 20°C ambient temperature, RHO 90, and 100% load factor. For NEC installations, reference NEC article 310.15.



**ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION. BEST WIRE IS NOT RESPONSIBLE FOR UNKNOWN PERFORMANCE ATTRIBUTES THAT WERE NOT MADE KNOWN TO BEST WIRE AT THE TIME OF DESIGN.**

