



## Specification Sheet

**BWC Part Number #: SEWANEE**

### Single Aluminum Conductor 600V URD

#### Application

This Aluminum 600V URD cable is intended for use in secondary distribution circuits, where it can be installed in ducts or used in direct burial applications. It has a maximum operating temperature of 90°C in both wet and dry locations and is rated for 600 volts. This cable can also be provided pre-pulled into a duct.

#### Construction

- **Conductor:** The conductor is a concentric stranded or compressed 1350-H19 series aluminum.
- **Insulation:** The cable is insulated with black, sunlight-resistant cross-linked polyethylene (XLP).

#### Standards

- ASTM B230, B231, and B901
- UL 854 for Type USE-2
- ICEA S-105-692
- RUS ACCEPTED

| PART NUMBER | COND<br>SIZE<br>(AWG/<br>MCM) | NO OF<br>STRANDS | INSULATION<br>THICKNESS<br>(MILS) | OVERALL<br>DIAMETER<br>(INCH) | WEIGHT –<br>ALUMINUM<br>(LBS/KFT) | WEIGHT -<br>TOTAL<br>(LBS/KFT) | AMPACITY<br>DIRECT<br>BURIED<br>(AMPS) | AMPACITY<br>IN DUCT<br>(AMPS) |
|-------------|-------------------------------|------------------|-----------------------------------|-------------------------------|-----------------------------------|--------------------------------|----------------------------------------|-------------------------------|
| PRINCETON   | 6                             | 7                | 60                                | .309                          | 25                                | 45                             | 90                                     | 65                            |
| MERCER      | 4                             | 7                | 60                                | .357                          | 39                                | 64                             | 120                                    | 85                            |
| CLEMSON     | 2                             | 7                | 60                                | .418                          | 62                                | 93                             | 155                                    | 115                           |
| KENYON      | 1                             | 19               | 80                                | .500                          | 78                                | 122                            | 175                                    | 130                           |



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| PART NUMBER | COND SIZE (AWG/MCM) | NO OF STRANDS | INSULATION THICKNESS (MILS) | OVERALL DIAMETER (INCH) | WEIGHT – ALUMINUM (LBS/KFT) | WEIGHT - TOTAL (LBS/KFT) | AMPACITY DIRECT BURIED (AMPS) | AMPACITY IN DUCT (AMPS) |
|-------------|---------------------|---------------|-----------------------------|-------------------------|-----------------------------|--------------------------|-------------------------------|-------------------------|
| HARVARD     | 1/0                 | 19            | 80                          | .540                    | 99                          | 148                      | 200                           | 150                     |
| YALE        | 2/0                 | 19            | 80                          | .586                    | 125                         | 179                      | 225                           | 170                     |
| TUFTS       | 3/0                 | 19            | 80                          | .638                    | 157                         | 217                      | 250                           | 195                     |
| BELOIT      | 4/0                 | 19            | 80                          | .696                    | 198                         | 265                      | 290                           | 225                     |
| HOFSTRA     | 250                 | 37            | 95                          | .774                    | 234                         | 317                      | 320                           | 250                     |
| GONZAGA     | 300                 | 37            | 95                          | .829                    | 281                         | 371                      | 355                           | 280                     |
| RUTGERS     | 350                 | 37            | 95                          | .880                    | 328                         | 423                      | 385                           | 305                     |
| DARTMOUTH   | 400                 | 37            | 95                          | .930                    | 376                         | 476                      | 410                           | 325                     |
| EMORY       | 500                 | 37            | 95                          | 1.012                   | 469                         | 571                      | 465                           | 370                     |
| DUKE        | 600                 | 61            | 110                         | 1.124                   | 562                         | 701                      | 510                           | 410                     |
| FURMAN      | 700                 | 61            | 110                         | 1.195                   | 656                         | 804                      | 550                           | 440                     |
| SEWANEE     | 750                 | 61            | 110                         | 1.229                   | 703                         | 855                      | 580                           | 470                     |
| FORDHAM     | 1000                | 61            | 110                         | 1.383                   | 937                         | 1109                     | 670                           | 545                     |

\*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.**

**GET WIRED**

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