



## Specification Sheet

**BWC Part Number #: BWC-14-01EC**

**Copper RHH/RHW-2/USE-2 600V with EPR/CPE Insulation**

### Application

EPR/CPE USE-2 cables are primarily used for power distribution in raceways in accordance with the National Electrical Code. The cable is approved for direct burial and for service entrance applications below ground. It can be used in wet or dry locations where ambient temperatures do not exceed 90°C. The voltage rating for this cable is 600V, and sizes 1/0 AWG and larger are approved for cable tray use. **Construction**

### Construction

- **Conductor:** Soft drawn, tin-coated, Class B stranded copper.
- **Separator:** A tape separator is located between the conductor and the insulation.
- **Insulation:** Ethylene-propylene rubber (EPR).
- **Jacket:** Black heavy-duty, CPE (chlorinated polyethylene) thermoset compound.

### Standards

- UL 44 and UL 845
- ICEA S-95-658/NEMA WC70
- ASTM B8 and B33
- VW-1 flame rated
- Sunlight resistant
- Approved for CT (Cable Tray) Use for sizes 1/0 AWG and larger

| PART NUMBER | COND. SIZE<br>(AWG/MCM) | NO. OF<br>STRANDS | INSUL.<br>THICKNESS<br>(INCH) | JACKET<br>THICKNESS<br>(INCH) | OVERALL<br>DIAMETER<br>(INCH) | NET<br>WEIGHT<br>LBS/KFT | AMPACTIY<br>* (AMPS) |
|-------------|-------------------------|-------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|----------------------|
| BWC-14-01EC | 14                      | 7                 | .030                          | .015                          | .165                          | 24                       | 25                   |
| BWC-12-01EC | 12                      | 7                 | .030                          | .015                          | .189                          | 34                       | 30                   |

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|---------------|-------------------------|-------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|----------------------|
| BWC-10-01EC   | 10                      | 7                 | .030                          | .015                          | .213                          | 49                       | 40                   |
| BWC-8-01EC    | 8                       | 7                 | .045                          | .015                          | .276                          | 79                       | 55                   |
| BWC-6-01EC    | 6                       | 7                 | .045                          | .030                          | .346                          | 124                      | 75                   |
| BWC-4-01EC    | 4                       | 7                 | .045                          | .030                          | .394                          | 179                      | 95                   |
| BWC-2-01EC    | 2                       | 7                 | .045                          | .030                          | .453                          | 260                      | 130                  |
| BWC-1/0-01EC  | 1/0                     | 19                | .055                          | .045                          | .575                          | 420                      | 170                  |
| BWC-2/0-01EC  | 2/0                     | 19                | .055                          | .045                          | .619                          | 513                      | 195                  |
| BWC-4/0-01EC  | 4/0                     | 19                | .055                          | .045                          | .736                          | 774                      | 260                  |
| BWC-250-01EC  | 250                     | 37                | .065                          | .065                          | .850                          | 956                      | 290                  |
| BWC-350-01EC  | 350                     | 37                | .065                          | .065                          | .957                          | 1290                     | 350                  |
| BWC-500-01EC  | 500                     | 37                | .065                          | .065                          | 1.088                         | 1798                     | 430                  |
| BWC-750-01EC  | 750                     | 61                | .080                          | .065                          | 1.303                         | 2686                     | 520                  |
| BWC-1000-01EC | 1000                    | 61                | .080                          | .065                          | 1.457                         | 3463                     | 615                  |

\*Table data sourced from. All values are nominal and subject to correction. Allowable ampacities shown are for general use as specified by the National Electric Code, 2023 Edition, Table 310.16.

**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.**

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