



Specification Sheet

BWC Part Number #: BWC-1000-01EC

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 (AWG/MCM)	NO. OF STRANDS	INSUL. THICKNESS (INCH)	JACKET THICKNESS (INCH)	OVERALL DIAMETER (INCH)	NET WEIGHT LBS/KFT	AMPACTIY * (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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PART NUMBER	COND. SIZE (AWG/MCM)	NO. OF STRANDS	INSUL. THICKNESS (INCH)	JACKET THICKNESS (INCH)	OVERALL DIAMETER (INCH)	NET WEIGHT LBS/KFT	AMPACTIV * (AMPS)
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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