



Specification Sheet

BWC Part Number #: BWC-8-01XLPUSESTR

Copper RHH/RHW-2/USE-2 600V

Application

USE-2 cables are mainly used for power distribution and can be installed in raceways, conduits, direct burial, and aerial applications. These cables are suitable for wet or dry locations where ambient temperatures do not exceed 90°C. The voltage rating is 600V, and sizes 1/0 and larger are rated for use in cable trays.

Construction

- **Conductor:** The conductor is made of soft drawn bare copper with Class B stranding per ASTM.
- **Insulation:** The cable features abrasion, heat, moisture, and flame-resistant cross-linked polyethylene (XLPE) insulation.

Standards

- UL 44 and UL 854.
- Federal Specification A-A-59544.
- ICEA S-95-658/NEMA WC-70.
- ASTM standards B3, B8, B787.
- Rated 90°C for wet/dry locations and cold temperature rated at -40°C.
- Flame rated for CT Use (1/0 AWG and larger).
- Sunlight Resistant and Gasoline and Oil Resistant II.

PART NUMBER	COND. SIZE (AWG/MCM)	NO. OF STRANDS	INSUL. THICKNESS (INCH/MM)	OVERALL DIAMETER (INCH/MM)	NET WEIGHT LBS/KFT	AMPACTIY** (AMPS)
BWC-14-01XLPUSESTR	14	7	.045/1.14	.163/4.14	21	25*
BWC-12-01XLPUSESTR	12	7	.045/1.14	.182/4.62	30	30*
BWC-10-01XLPUSESTR	10	7	.045/1.14	.205/5.21	43	40*

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PART NUMBER	COND. SIZE (AWG/MCM)	NO. OF STRANDS	INSUL. THICKNESS (INCH/MM)	OVERALL DIAMETER (INCH/MM)	NET WEIGHT LBS/KFT	AMPACTIV** (AMPS)
BWC-8-01XLPUSESTR	8	7	.060/1.52	.263/6.68	69	55
BWC-6-01XLPUSESTR	6	7	.060/1.52	.301/7.65	103	75
BWC-4-01XLPUSESTR	4	7	.060/1.52	.350/8.89	156	95
BWC-2-01XLPUSESTR	2	7	.060/1.52	4.04/10.26	238	130
BWC-1-01XLPUSESTR	1	19	.080/2.03	.476/12.09	307	145
BWC-1/0-01XLPUSESTR	1/0	19	.080/2.03	.517/13.13	384	170
BWC-2/0-01XLPUSESTR	2/0	19	.080/2.03	.562/14.27	476	195
BWC-3/0-01XLPUSESTR	3/0	19	.080/2.03	.610/15.49	590	225
BWC-4/0-01XLPUSESTR	4/0	19	.080/2.03	.669/16.99	735	260
BWC-250-01XLPUSESTR	250	37	.095/2.41	.762/19.35	868	290
BWC-350-01XLPUSESTR	350	37	.095/2.41	.866/22	1192	350
BWC-500-01XLPUSESTR	500	37	.095/2.41	.986/25.04	1673	430
BWC-600-01XLPUSESTR	600	61	.110/2.79	1.111/28.22	2033	475
BWC-750-01XLPUSESTR	750	61	.110/2.79	1.205/30.61	2493	520
BWC-1000-01XLPUSESTR	1000	61	.110/2.79	1.370/34.80	3292	615

**Ampacity is based on NEC Table 310.16 for not more than three current-carrying conductors in a raceway, based on 30°C ambient temperature.

*Per NEC 310-17 footnote, overcurrent protection shall not exceed 15 amps for #14 AWG, 20 amps for #12 AWG, and 30 amps for #10 AWG.

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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