



Specification Sheet

BWC Part Number #: BWC-14-16SOOW

14 AWG SOOW 600V Portable Power Cable

Application

This portable power cable is designed for use with portable tools, equipment, small motors, associated machinery, industrial equipment, marine dockside power, and appliances. It's suitable for applications that require flexibility and durability, especially where the cable is exposed to oils, solvents, flame, and moisture. The cable is rated for applications up to 600 volts and for temperatures ranging from -40°C to +90°C.

Construction

- **Conductor:** Flexible stranded bare copper, compliant with ASTM B-3 and UL 62.
- **Insulation:** Premium grade, color-coded Ethylene Propylene Diene Monomer (EPDM) or Ethylene Propylene Rubber (EPR) compound.
- **Jacket:** The overall jacket is black Chlorinated Polyethylene (CPE), which is resistant to oil, solvents, ozone, weather, sunlight, and water. Other colors are available upon request.

Standards

- UL 62 and CSA C22.2 No. 49.
- Flame test meets FT2 and MSHA requirements.
- OSHA accepted.
- Permitted for use in specific applications under NEC Article 700.
- Permitted for use in Hazardous Locations (Classes I, II, III, Divisions 1 & 2) per NFPA 70.

Color Code

The conductor color codes are in accordance with ICEA S-58-679, Method 1, Table 1.

- **2 Conductors:** Black, White
- **3 Conductors:** Black, White, Green
- **4 Conductors:** Black, White, Red, Green
- For cables with more than 5 cores, a detailed color sequence with tracers is used, which repeats as necessary for constructions over 21 conductors.

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PART NUMBER	COND SIZE (AWG)	NO. OF COND	COND. STRANDING (NO.AWG)	NOM. INSUL. THICKNESS (INCH/MM)	NOM. JACKET THICKNESS (INCH/MM)	NOM. OVERALL DIAMETER (INCH/MM)	NET WEIGHT (LBS/KFT)	AMPACTIY ** 30C AMBIENT
BWC-14-02SOOW	14	2	41/30	.045/1.14	.080/2.03	.500/12.70	137	18
BWC-14-03SOOW	14	3	41/30	.045/1.14	.080/2.03	.520/13.21	161	18
BWC-14-04SOOW	14	4	41/30	.045/1.14	.080/2.03	.570/14.48	192	15
BWC-14-05SOOW	14	5	41/30	.045/1.14	.095/2.41	.640/16.26	251	12
BWC-14-06SOOW	14	6	41/30	.045/1.14	.095/2.41	.690/17.53	277	12
BWC-14-07SOOW	14	7	41/30	.045/1.14	.095/2.41	.690/17.53	285	12
BWC-14-08SOOW	14	8	41/30	.045/1.14	.095/2.41	.740/18.80	324	10.5
BWC-14-10SOOW	14	10	41/30	.045/1.14	.095/2.41	.860/21.84	388	10.5
BWC-14-12SOOW	14	12	41/30	.045/1.14	.095/2.41	.890/22.61	441	7.5
BWC-14-14SOOW	14	16	41/30	.045/1.14	.095/2.41	.980/24.89	563	7.5
BWC-14-20SOOW	14	20	41/30	.045/1.14	.100/2.54	1.110/28.19	730	7.5
BWC-14-24SOOW	14	24	41/30	.045/1.14	.100/2.54	1.220/30.99	828	6.8
BWC-14-30SOOW	14	30	41/30	.045/1.14	.125/3.18	1.320/33.53	1027	6.8
BWC-14-37SOOW	14	37	41/30	.045/1.14	.125/3.18	1.420/36.07	1224	6

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

**Ampacity values shown are for current-carrying conductors. A grounding conductor, or one which carries only the unbalanced current from other conductors, is not counted in determining current-carrying capacity





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ICEA S-58-679, Method 1, Table 1 (above 5 cores/cables)

CORE #	COLOR	TRACER	CORE #	COLOR	TRACER	CORE #	COLOR	TRACER
1	BLACK	-	8	RED	BLACK	15	BLUE	WHITE
2	WHITE	-	9	GREEN	BLACK	16	BLACK	RED
3	RED	-	10	ORANGE	BLACK	17	WHITE	RED
4	GREEN	-	11	BLUE	BLACK	18	ORANGE	RED
5	ORANGE	-	12	BLACK	WHITE	19	BLUE	RED
6	BLUE	-	13	RED	WHITE	20	RED	GREEN
7	WHITE	BLACK	14	GREEN	WHITE	21	ORANGE	GREEN



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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Information on this specification is subject to change without notice. REV 03062023



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