Specification Sheet

BWC Part Number #: BWC-12-24SOOW

12 AWG SOOW 600V Portable Power Cable

Application

This portable power cable is designed for use with portable tools, equipment, small motors, and associated machinery. It's also suitable for industrial equipment, marine dockside power, appliances, and situations 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.

Specification Sheet

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-12-02SOOW	12	2	65/30	.045/1.14	.095/2.41	.570/14.48	184	25
BWC-12-03SOOW	12	3	65/30	.045/1.14	.095/2.41	.590/14.99	217	25
BWC-12-04SOOW	12	4	65/30	.045/1.14	.095/2.41	.640/16.26	261	20
BWC-12-05SOOW	12	5	65/30	.045/1.14	.095/2.41	.70/17.78	319	16
BWC-12-06SOOW	12	6	65/30	.045/1.14	.095/2.41	.740/18.80	344	16
BWC-12-07SOOW	12	7	65/30	.045/1.14	.095/2.41	.740/18.80	358	16
BWC-12-08SOOW	12	8	65/30	.045/1.14	.095/2.41	.80/20.32	408	14
BWC-12-09SOOW	12	9	65/30	.045/1.14	.095/2.41	.920/23.37	461	14
BWC-12-10SOOW	12	10	65/30	.045/1.14	.110/2.79	.950/24.13	519	14
BWC-12-12SOOW	12	12	65/30	.045/1.14	.110/2.79	.980/24.89	591	10
BWC-12-14SOOW	12	14	65/30	.045/1.14	.110/2.79	1.030/26.16	668	10
BWC-12-16SOOW	12	16	65/30	.045/1.14	.110/2.79	1.080/27.43	755	10
BWC-12-20SOOW	12	20	65/30	.045/1.14	.125/3.18	1.220/30.99	971	10
BWC-12-24SOOW	12	24	65/30	.045/1.14	.125/3.18	1.350/34.29	1106	9
BWC-12-26SOOW	12	26	65/30	.045/1.14	.125/3.18	1.380/35.05	1180	9
BWC-12-30SOOW	12	30	65/30	.045/1.14	.125/3.18	1.430/36.32	1327	9
BWC-12-37SOOW	12	37	65/30	.045/1.14	.125/3.18	1.530/38.86	1588	8
BWC-12-44SOOW	12	44	65/30	.045/1.14	.125/3.18	1.720/43.69	1868	7

*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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Specification Sheet

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