Specification Sheet

BWC Part Number #: BWC-10-40SOOW

10 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) insulation.
- **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 & 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-10-02SOOW	10	2	103/30	.045/1.14	.095/2.41	.630/16	230	30
BWC-10-03SOOW	10	3	103/30	.045/1.14	.095/2.41	.660/16.76	281	30
BWC-10-04SOOW	10	4	103/30	.045/1.14	.095/2.41	.710/18.03	336	25
BWC-10-05SOOW	10	5	103/30	.045/1.14	.095/2.41	.760/19.30	409	20
BWC-10-06SOOW	10	6	103/30	.045/1.14	.095/2.41	.820/20.83	452	20
BWC-10-07SOOW	10	7	103/30	.045/1.14	.095/2.41	.820/20.8/3	474	20
BWC-10-08SOOW	10	8	103/30	.045/1.14	.095/2.41	.880/22.35	541	17.5
BWC-10-10SOOW	10	10	103/30	.045/1.14	2.79/1.050	1.05/26.67	686	17.5
BWC-10-12SOOW	10	12	103/30	.045/1.14	2.79/1.050	1.090/27.69	788	12.5
BWC-10-16SOOW	10	16	103/30	.045/1.14	3.18/1.230	1.230/31.24	1053	12.5
BWC-10-20SOOW	10	20	103/30	.045/1.14	3.18/1.350	1.350/34.29	1304	12.5
BWC-10-26SOOW	10	26	103/30	.045/1.14	3.18/1.540	1.540/39.12	1598	11.3
BWC-10-30SOOW	10	30	103/30	.045/1.14	1.18/1.590	1.590/40.39	1803	11.3
BWC-10-40SOOW	10	40	103/30	.045/1.14	3.58/1.870	1.870/47.50	2464	10

*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

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

BEST WiRE & CABLE

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.