

10 AWG SOOW 600V Portable Power Cable 90°C



APPLICATION:

Portable tools, equipment, small motors and associated machinery, appliances, equipment exposed to oils, solvents, flame, moisture and other electrical equipment where flexibility and durability are required. For applications up to 600 volts and for temperatures of -40°C to +90°C.

CONDUCTORS:

- Flexible stranded bare copper in accordance with ASTM B-3 and UL 62

SEPARATOR:

- Polyester tape under jacket (above 5 cores cables)

INSULATION:

- Premium grade color coded Ethylene Propylene Diene Monomer (EPDM) insulation or Ethylene Propylene Rubber (EPR) compound class 3, comply with Table 8 of UL 62

JACKET:

- Overall jacket of black Chlorinated Polyethylene (CPE), which is oil, solvents, ozone, weather, sunlight, and water resistant. CPE compound Class 1.4 90°C comply with Table 11 of UL 62
- Other colors available on request

STANDARDS:

- UL 62
- CSA C22.2 No. 49
- Flame test meets FT2, and MSHA
- OSHA accepted
- NEC Article 700 permitted use for specific applications
- NFPA 70 permitted use in Hazardous Locations Classes I, II, III, Divisions 1 & 2 as outlined in Articles 501, 502, 503 section 140

COLOR CODE:

ICEA S-58-679, Method 1, Table 1

No. of Conductors	Color
2	Black, White
3	Black, White, Green
4	Black, White, Red, Green

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

*For more than 21 conductors the color sequence is repeated as necessary



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Part Number	Conductor Size	No. of Conductors	Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Weight lbs/kft	Ampacity** 30°C Ambient
	AWG		No./AWG	Inches	mm	Inches	mm	Inches	mm		
10-02SOOW	10	2	103/30	0.045	1.14	0.095	2.41	0.630	16.00	230	30
10-03SOOW	10	3	103/30	0.045	1.14	0.095	2.41	0.660	16.76	281	30
10-04SOOW	10	4	103/30	0.045	1.14	0.095	2.41	0.710	18.03	336	25
10-05SOOW	10	5	103/30	0.045	1.14	0.095	2.41	0.760	19.30	409	20
10-06SOOW	10	6	103/30	0.045	1.14	0.095	2.41	0.820	20.83	452	20
10-07SOOW	10	7	103/30	0.045	1.14	0.095	2.41	0.820	20.83	474	20
10-08SOOW	10	8	103/30	0.045	1.14	0.095	2.41	0.880	22.35	541	17.5
10-10SOOW	10	10	103/30	0.045	1.14	0.110	2.79	1.050	26.67	686	17.5
10-12SOOW	10	12	103/30	0.045	1.14	0.110	2.79	1.090	27.69	788	12.5
10-16SOOW	10	16	103/30	0.045	1.14	0.125	3.18	1.230	31.24	1053	12.5
10-20SOOW	10	20	103/30	0.045	1.14	0.125	3.18	1.350	34.29	1304	12.5
10-26SOOW	10	26	103/30	0.045	1.14	0.125	3.18	1.540	39.12	1598	11.3
10-30SOOW	10	30	103/30	0.045	1.14	0.125	3.18	1.590	40.39	1803	11.3
10-40SOOW	10	40	103/30	0.045	1.14	0.141	3.58	1.870	47.50	2464	10

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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