

12 AWG SOOW 600V Portable Power Cable 90°C



APPLICATION:

Portable tools, equipment, small motors and associated machinery, industrial equipment, marine dockside power, 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

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		
12-02SOOW	12	2	65/30	0.045	1.14	0.095	2.41	0.570	14.48	184	25
12-03SOOW	12	3	65/30	0.045	1.14	0.095	2.41	0.590	14.99	217	25
12-04SOOW	12	4	65/30	0.045	1.14	0.095	2.41	0.640	16.26	261	20
12-05SOOW	12	5	65/30	0.045	1.14	0.095	2.41	0.700	17.78	319	16
12-06SOOW	12	6	65/30	0.045	1.14	0.095	2.41	0.740	18.80	344	16
12-07SOOW	12	7	65/30	0.045	1.14	0.095	2.41	0.740	18.80	358	16
12-08SOOW	12	8	65/30	0.045	1.14	0.095	2.41	0.800	20.32	408	14
12-09SOOW	12	9	65/30	0.045	1.14	0.095	2.41	0.920	23.37	461	14
12-10SOOW	12	10	65/30	0.045	1.14	0.110	2.79	0.950	24.13	519	14
12-12SOOW	12	12	65/30	0.045	1.14	0.110	2.79	0.980	24.89	591	10
12-14SOOW	12	14	65/30	0.045	1.14	0.110	2.79	1.030	26.16	668	10
12-16SOOW	12	16	65/30	0.045	1.14	0.110	2.79	1.080	27.43	755	10
12-20SOOW	12	20	65/30	0.045	1.14	0.125	3.18	1.220	30.99	971	10
12-24SOOW	12	24	65/30	0.045	1.14	0.125	3.18	1.350	34.29	1106	9
12-26SOOW	12	26	65/30	0.045	1.14	0.125	3.18	1.380	35.05	1180	9
12-30SOOW	12	30	65/30	0.045	1.14	0.125	3.18	1.430	36.32	1327	9
12-37SOOW	12	37	65/30	0.045	1.14	0.125	3.18	1.530	38.86	1588	8
12-44SOOW	12	44	65/30	0.045	1.14	0.125	3.18	1.720	43.69	1868	7

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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