

16 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	mm		
16-02SOOW	16	2	26/30	0.030	0.76	0.060	1.52	0.370	9.40	76	13
16-03SOOW	16	3	26/30	0.030	0.76	0.060	1.52	0.390	9.91	90	13
16-04SOOW	16	4	26/30	0.030	0.76	0.060	1.52	0.420	10.67	107	10
16-05SOOW	16	5	26/30	0.030	0.76	0.080	2.03	0.490	12.45	149	8
16-06SOOW	16	6	26/30	0.030	0.76	0.080	2.03	0.530	13.46	165	8
16-07SOOW	16	7	26/30	0.030	0.76	0.080	2.03	0.530	13.46	170	8
16-08SOOW	16	8	26/30	0.030	0.76	0.080	2.03	0.560	14.22	193	7
16-09SOOW	16	9	26/30	0.030	0.76	0.095	2.41	0.630	16.00	238	7
16-10SOOW	16	10	26/30	0.030	0.76	0.095	2.41	0.680	17.27	251	7
16-12SOOW	16	12	26/30	0.030	0.76	0.095	2.41	0.700	17.78	282	5
16-14SOOW	16	14	26/30	0.030	0.76	0.095	2.41	0.730	18.54	316	5
16-16SOOW	16	16	26/30	0.030	0.76	0.095	2.41	0.760	19.30	354	5
16-20SOOW	16	20	26/30	0.030	0.76	0.095	2.41	0.840	21.34	434	5
16-24SOOW	16	24	26/30	0.030	0.76	0.095	2.41	0.920	23.37	520	4.5
16-30SOOW	16	30	26/30	0.030	0.76	0.110	2.79	1.000	25.40	615	4.5
16-37SOOW	16	37	26/30	0.030	0.76	0.110	2.79	1.070	27.18	730	4
16-40SOOW	16	40	26/30	0.030	0.76	0.110	2.79	1.110	28.19	772	4
16-52SOOW	16	52	26/30	0.030	0.76	0.125	3.18	1.280	32.51	1016	3.5
16-60SOOW	16	60	26/30	0.030	0.76	0.125	3.18	1.350	34.29	1154	3.5

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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