

14 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		
14-02SOOW	14	2	41/30	0.045	1.14	0.080	2.03	0.500	12.70	137	18
14-03SOOW	14	3	41/30	0.045	1.14	0.080	2.03	0.520	13.21	161	18
14-04SOOW	14	4	41/30	0.045	1.14	0.080	2.03	0.570	14.48	192	15
14-05SOOW	14	5	41/30	0.045	1.14	0.095	2.41	0.640	16.26	251	12
14-06SOOW	14	6	41/30	0.045	1.14	0.095	2.41	0.690	17.53	277	12
14-07SOOW	14	7	41/30	0.045	1.14	0.095	2.41	0.690	17.53	285	12
14-08SOOW	14	8	41/30	0.045	1.14	0.095	2.41	0.740	18.80	324	10.5
14-10SOOW	14	10	41/30	0.045	1.14	0.095	2.41	0.860	21.84	388	10.5
14-12SOOW	14	12	41/30	0.045	1.14	0.095	2.41	0.890	22.61	441	7.5
14-16SOOW	14	16	41/30	0.045	1.14	0.095	2.41	0.980	24.89	563	7.5
14-20SOOW	14	20	41/30	0.045	1.14	0.010	0.25	1.110	28.19	730	7.5
14-24SOOW	14	24	41/30	0.045	1.14	0.010	0.25	1.220	30.99	828	6.8
14-30SOOW	14	30	41/30	0.045	1.14	0.125	3.18	1.320	33.53	1027	6.8
14-37SOOW	14	37	41/30	0.045	1.14	0.125	3.18	1.420	36.07	1224	6

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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