

8AWG - 2AWG Non-UL 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

SEPARATOR:

- Paper tape between conductor and insulation

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

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
5	Black, White, Red, Green, Orange

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:

- Flame test meets FT2, and MSHA
- 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



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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		
8-02SOOW	8	2	67/0.0156	0.050	1.27	0.060	1.52	0.640	16.26	258	40
8-03SOOW	8	3	67/0.0156	0.050	1.27	0.060	1.52	0.680	17.27	326	40
8-04SOOW	8	4	67/0.0156	0.050	1.27	0.060	1.52	0.740	18.80	410	35
8-05SOOW	8	5	67/0.0156	0.050	1.27	0.060	1.52	0.810	20.57	499	28
6-02SOOW	6	2	184/0.0117	0.050	1.27	0.060	1.52	0.720	18.29	353	55
6-03SOOW	6	3	184/0.0117	0.050	1.27	0.060	1.52	0.770	19.56	450	55
6-04SOOW	6	4	184/0.0117	0.050	1.27	0.080	2.03	0.890	22.61	607	45
6-05SOOW	6	5	184/0.0117	0.050	1.27	0.080	2.03	0.970	24.64	736	36
4-02SOOW	4	2	165/0.0156	0.050	1.27	0.080	2.03	0.880	22.35	540	70
4-03SOOW	4	3	165/0.0156	0.050	1.27	0.080	2.03	0.940	23.88	689	70
4-04SOOW	4	4	165/0.0156	0.050	1.27	0.080	2.03	1.030	26.16	876	60
4-05SOOW	4	5	165/0.0156	0.050	1.27	0.080	2.03	1.130	28.70	1068	48
2-02SOOW	2	2	262/0.0156	0.050	1.27	0.080	2.03	1.020	25.91	816	95
2-03SOOW	2	3	262/0.0156	0.050	1.27	0.080	2.03	1.080	27.43	1029	95
2-04SOOW	2	4	262/0.0156	0.050	1.27	0.080	2.03	1.190	30.23	1297	80
2-05SOOW	2	5	262/0.0156	0.050	1.27	0.080	2.03	1.310	33.27	1597	64

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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01-2022