



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

18 AWG SOOW 600V Portable Flexible Cable 90°C

Part Number	Conduct or Size AWG	No. of Conductors	Conductor Stranding No./AWG	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Weight lbs/kft	Ampacity** 30°C Ambient
				Inches	mm	Inches	mm	Inches	mm		
18-02SOOW	18	2	16/30	0.030	0.76	0.060	1.52	0.340	8.64	63	10
18-03SOOW	18	3	16/30	0.030	0.76	0.060	1.52	0.360	9.14	74	10
18-04SOOW	18	4	16/30	0.030	0.76	0.060	1.52	0.390	9.91	87	7
18-05SOOW	18	5	16/30	0.030	0.76	0.080	2.03	0.460	11.68	123	5.6
18-06SOOW	18	6	16/30	0.030	0.76	0.080	2.03	0.480	12.19	131	5.6
18-07SOOW	18	7	16/30	0.030	0.76	0.080	2.03	0.480	12.19	134	5.6
18-08SOOW	18	8	16/30	0.030	0.76	0.080	2.03	0.520	13.21	151	4.9
18-09SOOW	18	9	16/30	0.030	0.76	0.080	2.03	0.550	13.97	178	4.9
18-10SOOW	18	10	16/30	0.030	0.76	0.080	2.03	0.590	14.99	180	4.9
18-12SOOW	18	12	16/30	0.030	0.76	0.080	2.03	0.610	15.49	202	3.5
18-14SOOW	18	14	16/30	0.030	0.76	0.095	2.41	0.660	16.76	246	3.5
18-16SOOW	18	16	16/30	0.030	0.76	0.095	2.41	0.690	17.53	274	3.5
18-20SOOW	18	20	16/30	0.030	0.76	0.095	2.41	0.760	19.30	333	3.5
18-24SOOW	18	24	16/30	0.030	0.76	0.095	2.41	0.830	21.08	376	3.2
18-30SOOW	18	30	16/30	0.030	0.76	0.110	2.79	0.910	23.11	470	3.2

16 AWG SOOW 600V Portable Flexible Cable 90°C

Part Number	Conduct or Size AWG	No. of Conductors	Conductor Stranding No./AWG	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Weight lbs/kft	Ampacity** 30°C Ambient
				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
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14 AWG SOOW 600V Portable Flexible Cable 90°C

Part Number	Conductor Size AWG	No. of Conductors	Conductor Stranding No./AWG	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Diameter		Overall	Weight lbs/kft	Ampacity** 30°C Ambient
				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	

12 AWG SOOW 600V Portable Flexible Cable 90°C

Part Number	Conductor Size AWG	No. of Conductors	Conductor Stranding No./AWG	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Diameter		Overall	Weight lbs/kft	Ampacity** 30°C Ambient
				Inches	mm	Inches	mm	Inches	mm			
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	

10 AWG SOOW 600V Portable Flexible Cable 90°C

Part Number	Conduct or Size AWG	No. of Conductors	Conductor Stranding No./AWG	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall Diameter		Weight lbs/kft	Ampacity** 30°C Ambient
				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
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