

TYPE SOOW 600V

Portable cord and control cable

SPECIFICATIONS & STANDARDS

UL 62 and CAN/CSA-C 22.2 No 49

CONSTRUCTION:

- Conductors:** Flexible stranded bare or tin-coated copper in accordance with ASTM B-174 and UL 62
- Separator:** Paper tape as needed
- Insulation:** EP compound class 2.5A 90°C of UL 62
- Color code:**
 2/C black, white
 3/C black, white, green
 4/C black, white, red, green
 5/C black, white, red, green, orange
- Separator:** Paper tape or polyester tape
- Assembly:** Insulated conductors cabled together with rubber or paper fillers as needed
- Jacket:** CPE or CP compound class 1.10 90°C of UL 62
- Color of jacket:** Black, other colors available upon request



FEATURES	APPLICATION
<ul style="list-style-type: none"> - Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water - Flame test: meets VW-1, FT2, MSHA - Temperature range: -40°C to +90°C 	<ul style="list-style-type: none"> - Industrial and processing equipment, cranes and hoists, track systems, tools, construction equipment, motors and associated machinery, garage portable lights, battery charger and equipment exposed to oils, solvents, flame, moisture and other electrical equipment.

Multicore cables:

Number of core:	Color	Tracer	Number of core:	Color	Tracer	Number of 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

APPROVALS:

- MSHA:** P-7K-254013 (CPE)
- UL:** E123366 (CPE)
- CSA:** 1534535 (LL 103932) (CPE)

Standard length cable packing: 1000 ft reels. Other forms of packaging available upon request.

TYPE SOOW 600V

Part Number	Power Conductor Size	No of Conductors	Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Approx. O.D.		Approx. Weight lbs/1000 ft	Ampacity (1) 30°C Ambient Temp.
	AWG			inches	mm	inches	mm	inches	mm		A
SOOW18-8	18	8	16 / 30	0.030	0.76	0.080	2.03	0.52	13.1	151	4.9
SOOW18-10		10	16 / 30	0.030	0.76	0.080	2.03	0.59	15.0	180	4.9
SOOW18-12		12	16 / 30	0.030	0.76	0.080	2.03	0.61	15.4	202	4.9
SOOW18-14		14	16 / 30	0.030	0.76	0.095	2.41	0.66	16.9	246	4.9
SOOW18-16		16	16 / 30	0.030	0.76	0.095	2.41	0.69	17.6	274	4.9
SOOW18-18		18	16 / 30	0.030	0.76	0.095	2.41	0.73	18.5	303	4.9
SOOW18-20		20	16 / 30	0.030	0.76	0.095	2.41	0.76	19.3	333	4.9
SOOW18-22		22	16 / 30	0.030	0.76	0.095	2.41	0.83	21.2	357	4.9
SOOW18-24		24	16 / 30	0.030	0.76	0.095	2.41	0.83	21.2	376	4.9
SOOW18-27		27	16 / 30	0.030	0.76	0.095	2.41	0.85	21.6	409	4.2
SOOW18-30		30	16 / 30	0.030	0.76	0.110	2.79	0.91	23.0	470	4.2
SOOW18-36		36	16 / 30	0.030	0.76	0.110	2.79	0.97	24.7	551	4.2
SOOW18-39		39	16 / 30	0.030	0.76	0.110	2.79	1.04	26.3	604	4.2
SOOW18-44		44	16 / 30	0.030	0.76	0.110	2.79	1.08	27.4	647	3.5
SOOW18-52		52	16 / 30	0.030	0.76	0.110	2.79	1.12	28.5	735	3.5
SOOW18-60		60	16 / 30	0.030	0.76	0.125	3.18	1.22	30.9	870	3.5
SOOW16-2	16	2	26 / 30	0.030	0.76	0.060	1.52	0.37	9.4	76	13
SOOW16-3		3	26 / 30	0.030	0.76	0.060	1.52	0.39	9.9	90	13
SOOW16-4		4	26 / 30	0.030	0.76	0.060	1.52	0.42	10.6	107	10
SOOW16-5		5	26 / 30	0.030	0.76	0.080	2.03	0.49	12.4	149	8
SOOW16-6		6	26 / 30	0.030	0.76	0.080	2.03	0.53	13.4	165	8
SOOW16-7		7	26 / 30	0.030	0.76	0.080	2.03	0.53	13.4	170	7
SOOW16-8		8	26 / 30	0.030	0.76	0.080	2.03	0.56	14.2	193	7
SOOW16-9		9	26 / 30	0.030	0.76	0.095	2.41	0.68	17.2	238	7
SOOW16-10		10	26 / 30	0.030	0.76	0.095	2.41	0.68	17.2	251	7
SOOW16-12		12	26 / 30	0.030	0.76	0.095	2.41	0.70	17.7	282	7
SOOW16-14		14	26 / 30	0.030	0.76	0.095	2.41	0.73	18.5	316	7
SOOW16-16		16	26 / 30	0.030	0.76	0.095	2.41	0.76	19.3	354	7
SOOW16-18		18	26 / 30	0.030	0.76	0.095	2.41	0.80	20.3	393	7
SOOW16-20		20	26 / 30	0.030	0.76	0.095	2.41	0.84	21.3	434	7
SOOW16-22		22	26 / 30	0.030	0.76	0.095	2.41	0.92	23.3	464	7
SOOW16-24		24	26 / 30	0.030	0.76	0.110	2.79	0.95	24.1	520	7
SOOW16-27		27	26 / 30	0.030	0.76	0.110	2.79	0.97	24.6	566	6
SOOW16-30		30	26 / 30	0.030	0.76	0.110	2.79	1.00	25.3	615	6
SOOW16-36		36	26 / 30	0.030	0.76	0.110	2.79	1.07	27.1	724	6
SOOW16-37		37	26 / 30	0.030	0.76	0.110	2.79	1.07	27.1	730	6
SOOW16-39		39	26 / 30	0.030	0.76	0.110	2.79	1.15	29.1	795	5
SOOW16-40		40	26 / 30	0.030	0.76	0.110	3.18	1.18	29.9	843	5
SOOW16-44		44	26 / 30	0.030	0.76	0.125	3.18	1.23	31.2	891	5
SOOW16-52		52	26 / 30	0.030	0.76	0.125	3.18	1.28	32.4	1016	5
SOOW16-60	60	26 / 30	0.030	0.76	0.125	3.18	1.35	34.2	1154	5	

TYPE SOOW 600V

Part Number	Power Conductor Size	No of Conductors	Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Approx. O.D.		Approx. Weight lbs/1000 ft	Ampacity (1) 30°C Ambient Temp. A
	AWG			inches	mm	inches	mm	inches	mm		
SOOW14-2	14	2	41 / 30	0.045	1.14	0.080	2.03	0.50	12.6	137	18
SOOW14-3		3	41 / 30	0.045	1.14	0.080	2.03	0.52	13.3	161	18
SOOW14-4		4	41 / 30	0.045	1.14	0.080	2.03	0.57	14.4	192	15
SOOW14-5		5	41 / 30	0.045	1.14	0.095	2.41	0.64	16.3	251	12
SOOW14-6		6	41 / 30	0.045	1.14	0.095	2.41	0.69	17.6	277	12
SOOW14-7		7	41 / 30	0.045	1.14	0.095	2.41	0.69	17.6	285	10.5
SOOW14-8		8	41 / 30	0.045	1.14	0.095	2.41	0.74	18.9	324	10.5
SOOW14-9		9	41 / 30	0.045	1.14	0.095	2.41	0.86	21.9	367	10.5
SOOW14-10		10	41 / 30	0.045	1.14	0.095	2.41	0.86	21.9	388	10.5
SOOW14-12		12	41 / 30	0.045	1.14	0.095	2.41	0.89	22.5	441	10.5
SOOW14-14		14	41 / 30	0.045	1.14	0.095	2.41	0.93	23.6	498	10.5
SOOW14-16		16	41 / 30	0.045	1.14	0.095	2.41	0.98	24.8	563	10.5
SOOW14-18		18	41 / 30	0.045	1.14	0.010	2.79	1.06	26.9	660	10.5
SOOW14-20		20	41 / 30	0.045	1.14	0.010	2.79	1.11	28.1	730	10.5
SOOW14-24		24	41 / 30	0.045	1.14	0.010	2.79	1.22	31.1	828	10.5
SOOW14-30		30	41 / 30	0.045	1.14	0.125	3.18	1.32	33.6	1027	9
SOOW14-36		36	41 / 30	0.045	1.14	0.125	3.18	1.42	36.2	1215	9
SOOW14-37		37	41 / 30	0.045	1.14	0.125	3.18	1.42	36.2	1224	9
SOOW14-44		44	41 / 30	0.045	1.14	0.125	3.18	1.59	40.4	1437	7.5
SOOW14-52		52	41 / 30	0.045	1.14	0.125	3.18	1.66	42.2	1648	7.5
SOOW14-60	60	41 / 30	0.045	1.14	0.148	3.58	1.79	45.5	1939	7.5	
SOOW12-2	12	2	65 / 30	0.045	1.14	0.095	2.41	0.57	14.4	184	25
SOOW12-3		3	65 / 30	0.045	1.14	0.095	2.41	0.59	15.0	217	25
SOOW12-4		4	65 / 30	0.045	1.14	0.095	2.41	0.64	16.3	261	20
SOOW12-5		5	65 / 30	0.045	1.14	0.095	2.41	0.70	17.8	319	16
SOOW12-6		6	65 / 30	0.045	1.14	0.095	2.41	0.74	18.8	344	16
SOOW12-7		7	65 / 30	0.045	1.14	0.095	2.41	0.74	18.8	358	14
SOOW12-8		8	65 / 30	0.045	1.14	0.095	2.41	0.80	20.2	408	14
SOOW12-9		9	65 / 30	0.045	1.14	0.095	2.41	0.92	23.5	461	14
SOOW12-10		10	65 / 30	0.045	1.14	0.110	2.79	0.95	24.2	519	14
SOOW12-12		12	65 / 30	0.045	1.14	0.110	2.79	0.98	24.9	591	14
SOOW12-14		14	65 / 30	0.045	1.14	0.110	2.79	1.03	26.1	668	14
SOOW12-16		16	65 / 30	0.045	1.14	0.110	2.79	1.08	27.5	755	14
SOOW12-18		18	65 / 30	0.045	1.14	0.125	3.18	1.17	29.6	878	14
SOOW12-20		20	65 / 30	0.045	1.14	0.125	3.18	1.22	31.0	971	14
SOOW12-24		24	65 / 30	0.045	1.14	0.125	3.18	1.35	34.3	1106	12
SOOW12-26		26	65 / 30	0.045	1.14	0.125	3.18	1.38	35.0	1180	12
SOOW12-30		30	65 / 30	0.045	1.14	0.125	3.18	1.43	36.3	1327	12
SOOW12-36		36	65 / 30	0.045	1.14	0.125	3.18	1.53	39.0	1573	10
SOOW12-37		37	65 / 30	0.045	1.14	0.125	3.18	1.53	39.0	1588	10
SOOW12-44		44	65 / 30	0.045	1.14	0.125	3.18	1.72	43.6	1868	10
SOOW12-60	60	65 / 30	0.045	1.14	0.125	3.18	1.90	48.3	2467	10	

TYPE SOOW 600V

Part Number	Power Conductor Size	No of Conductors	Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Approx. O.D.		Approx. Weight lbs/1000 ft	Ampacity (1) 30°C Ambient Temp.
	AWG			inches	mm	inches	mm	inches	mm		A
SOOW10-2	10	2	103 / 30	0.045	1.14	0.095	2.41	0.62	15.6	230	30
SOOW10-3		3	103 / 30	0.045	1.14	0.095	2.41	0.65	16.5	281	30
SOOW10-4		4	103 / 30	0.045	1.14	0.095	2.41	0.70	17.8	336	25
SOOW10-5		5	103 / 30	0.045	1.14	0.095	2.41	0.76	19.3	409	24
SOOW10-6		6	103 / 30	0.045	1.14	0.095	2.41	0.82	20.7	452	24
SOOW10-7		7	103 / 30	0.045	1.14	0.095	2.41	0.82	20.7	474	21
SOOW10-8		8	103 / 30	0.045	1.14	0.095	2.41	0.88	22.3	541	21
SOOW10-10		10	103 / 30	0.045	1.14	0.110	2.79	1.05	26.8	686	21
SOOW10-12		12	103 / 30	0.045	1.14	0.110	2.79	1.09	27.6	788	21
SOOW10-16		16	103 / 30	0.045	1.14	0.125	3.18	1.23	31.2	1053	17.5
SOOW10-20		20	103 / 30	0.045	1.14	0.125	3.18	1.35	34.4	1304	17.5
SOOW10-24		24	103 / 30	0.045	1.14	0.125	3.18	1.50	38.2	1494	15
SOOW10-26		26	103 / 30	0.045	1.14	0.125	3.18	1.54	39.0	1598	15
SOOW10-30		30	103 / 30	0.045	1.14	0.125	3.18	1.59	40.4	1803	15
SOOW10-34		34	103 / 30	0.045	1.14	0.141	3.58	1.74	44.3	2105	15
SOOW10-36		36	103 / 30	0.045	1.14	0.141	3.58	1.74	44.3	2201	15
SOOW10-40	40	103 / 30	0.045	1.14	0.141	3.58	1.87	47.4	2464	15	
SOOW8-2	8	2	67 / 0.0156	0.060	1.52	0.110	2.79	0.78	19.8	367	40
SOOW8-3		3	67 / 0.0156	0.060	1.52	0.110	2.79	0.83	21.1	452	40
SOOW8-4		4	67 / 0.0156	0.060	1.52	0.125	3.18	0.93	23.5	577	35
SOOW8-5		5	67 / 0.0156	0.060	1.52	0.125	3.18	1.00	25.4	683	28
SOOW6-2	6	2	184 / 0.0117	0.060	1.52	0.125	3.18	0.92	23.4	525	55
SOOW6-3		3	184 / 0.0117	0.060	1.52	0.125	3.18	0.97	24.6	641	55
SOOW6-4		4	184 / 0.0117	0.060	1.52	0.140	3.56	1.05	26.7	785	45
SOOW6-5		5	184 / 0.0117	0.060	1.52	0.140	3.56	1.18	30.0	983	36
SOOW4-2	4	2	165 / 0.0156	0.060	1.52	0.140	3.56	1.06	26.9	728	70
SOOW4-3		3	165 / 0.0156	0.060	1.52	0.140	3.56	1.13	28.7	913	70
SOOW4-4		4	165 / 0.0156	0.060	1.52	0.155	3.94	1.25	31.8	1156	60
SOOW4-5		5	165 / 0.0156	0.060	1.52	0.155	3.94	1.31	33.2	1318	48
SOOW2-2	2	2	262 / 0.0156	0.060	1.52	0.155	3.94	1.21	30.7	1000	95
SOOW2-3		3	262 / 0.0156	0.060	1.52	0.155	3.94	1.30	33.1	1287	95
SOOW2-4		4	262 / 0.0156	0.060	1.52	0.170	4.32	1.45	36.8	1644	80
SOOW2-5		5	262 / 0.0156	0.060	1.52	0.170	4.32	1.53	38.8	1900	64

(1) Ampacity – Free air measured. Based on continuous duty at 90°C conductor temperature.

STANDARD PRINT LEGEND:

(SIZE) (UL) TYPE SOOW E123366 90C SUN & WATER RES 600V CSA TYPE SOOW 90C
LL 103932 FT-2 -40C P-7K-254013 MSHA

TYPE SOOW 600V

(Non UL, MSHA approved)

Part Number	Power Conductor Size	No of Conductors	Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Approx. O.D.		Approx. Weight lbs/1000 ft	Ampacity (1) 30°C Ambient Temp.
	AWG			inches	mm	inches	mm	inches	mm		A
SOOW8-2	8	2	67 / 0.0156	0.05	1.27	0.06	1.52	0.64	16.1	258	40
SOOW8-3		3	67 / 0.0156	0.05	1.27	0.06	1.52	0.68	17.1	326	40
SOOW8-4		4	67 / 0.0156	0.05	1.27	0.06	1.52	0.74	18.8	410	35
SOOW8-5		5	67 / 0.0156	0.05	1.27	0.06	1.52	0.81	20.7	499	28
SOOW6-2	6	2	184 / 0.0117	0.05	1.27	0.06	1.52	0.72	18.4	353	55
SOOW6-3		3	184 / 0.0117	0.05	1.27	0.06	1.52	0.77	19.5	450	45
SOOW6-4		4	184 / 0.0117	0.05	1.27	0.06	2.03	0.89	22.5	607	45
SOOW6-5		5	184 / 0.0117	0.05	1.27	0.06	2.03	0.97	24.7	736	36
SOOW4-2	4	2	165 / 0.0156	0.05	1.27	0.08	2.03	0.88	22.4	540	70
SOOW4-3		3	165 / 0.0156	0.05	1.27	0.08	2.03	0.94	23.8	689	70
SOOW4-4		4	165 / 0.0156	0.05	1.27	0.08	2.03	1.03	26.1	876	60
SOOW4-5		5	165 / 0.0156	0.05	1.27	0.08	2.03	1.13	28.8	1068	48
SOOW2-2	2	2	262 / 0.0156	0.05	1.27	0.08	2.03	1.01	25.6	755	95
SOOW2-3		3	262 / 0.0156	0.05	1.27	0.08	2.03	1.07	27.3	980	95
SOOW2-4		4	262 / 0.0156	0.05	1.27	0.08	2.03	1.18	30.0	1251	80
SOOW2-5		5	262 / 0.0156	0.05	1.27	0.08	2.03	1.30	33.1	1534	64

(1) Ampacity – Based on continuous 90°C conductor temperature

STANDARD PRINT LEGEND:

(SIZE) TYPE SOOW 600V SUNLIGHT & WATER RESISTANT 90C P-7K-254013-MSHA