



Paige SPEC

P7342M-SO



TYPE SOOW 600V UL/CSA/MSHA PORTABLE CORD & CONTROL CABLE

INSULATION: **ETHYLENE PROPYLENE RUBBER (EPR)**

OUTER JACKET: **CHLORINATED POLYETHYLENE (CPE)**

SIZES: **18 AWG - 2 AWG**

90°C WET/DRY



1.0 APPLICATIONS:

1.1 Type SOOW cable designed for 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.

2.0 FEATURES:

- 2.1**
- Excellent flexibility
 - Oil, solvents, ozone, weather, sunlight and water resistant
 - Temperature range: -40°C to +90°C
 - Flame test meets VW-1, FT2 and MSHA
 - Suitable for shallow water immersion.

3.0 CONSTRUCTION:

3.1 Conductors:
Flexible stranded bare copper, optional tin-coated copper, in accordance with ASTM B 174 and UL 62.

3.2 Insulation:
Ethylene-propylene rubber (EPR).

3.3 Separator:
Paper tape or polyester tape.

3.4 Color Code:
2/C Black, White
3/C Black, White, Green
4/C Black, White, Red, Green
5/C Black, White, Red, Green, Orange

3.5 Jacket:
CPE or CP compound class 1.10 90°C of UL 62.

3.6 Color of Jacket:
Black, other colors available upon request.

3.7 Multicore Cables:

NUMBER OF CORE	COLOR	TRACER
1	black	-
2	white	-
3	green	-
4	red	-
5	orange	-
6	blue	-
7	white	black
8	red	black
9	green	black
10	orange	black
11	blue	black
12	black	white
13	red	white
14	green	white
15	blue	white
16	black	red
17	white	red
18	orange	red
19	blue	red
20	red	green
21	orange	green

4.0 Approvals

4.1 MSHA:
4.1.1 P-7K-254013 (CPE)

4.2 UL:
4.2.1 E123366 (CPE)

4.3 CSA:
1534535 (LL 103932) (CPE)

5.0 DIMENSIONS:

Paige Part Number	Power Conductor Size	Number of Conductors	Power Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal O.D.		Approximate Weight lbs./1000 ft	Ampacity (1) 30°C Ambient Temp
	AWG		No. of Stranding	inch	mm	inch	mm	inch	mm		
S00W18-2	18	2	16/30	0.030	0.76	0.060	1.52	0.35	8.8	65	10.0
S00W18-3	18	3	16/30	0.030	0.76	0.060	1.52	0.37	9.3	77	10.0
S00W18-4	18	4	16/30	0.030	0.76	0.060	1.52	0.39	10.0	90	7.0
S00W18-5	18	5	16/30	0.030	0.76	0.080	2.03	0.47	11.9	127	5.6
S00W18-6	18	6	16/30	0.030	0.76	0.080	2.03	0.49	12.4	133	5.6
S00W18-7	18	7	16/30	0.030	0.76	0.080	2.03	0.49	12.4	136	5.6
S00W18-8	18	8	16/30	0.030	0.76	0.080	2.03	0.52	13.1	154	4.9
S00W18-10	18	10	16/30	0.030	0.76	0.080	2.03	0.59	15.0	184	4.9
S00W18-12	18	12	16/30	0.030	0.76	0.080	2.03	0.61	15.4	207	3.5
S00W18-14	18	14	16/30	0.030	0.76	0.095	2.41	0.66	16.9	251	3.5
S00W18-16	18	16	16/30	0.030	0.76	0.095	2.41	0.69	17.6	280	3.5
S00W18-18	18	18	16/30	0.030	0.76	0.095	2.41	0.73	18.5	310	3.5
S00W18-20	18	20	16/30	0.030	0.76	0.095	2.41	0.76	19.3	340	3.5
S00W18-22	18	22	16/30	0.030	0.76	0.095	2.41	0.83	21.2	364	3.2
S00W18-24	18	24	16/30	0.030	0.76	0.095	2.41	0.83	21.2	384	3.2
S00W18-27	18	27	16/30	0.030	0.76	0.095	2.41	0.85	21.6	418	3.2
S00W18-30	18	30	16/30	0.030	0.76	0.110	2.79	0.91	23.0	480	3.2
S00W18-36	18	36	16/30	0.030	0.76	0.110	2.79	0.97	24.7	561	2.8
S00W18-39	18	39	16/30	0.030	0.76	0.110	2.79	1.04	26.3	616	2.8
S00W18-44	18	44	16/30	0.030	0.76	0.110	2.79	1.08	27.4	659	2.5
S00W18-52	18	52	16/30	0.030	0.76	0.110	2.79	1.12	28.5	750	2.5
S00W18-60	18	60	16/30	0.030	0.76	0.125	3.18	1.22	30.9	887	2.5

Ampacities (Amps per conductor) are based on 30°C ambient temperature in air. 90°C conductor temperature per the 2002NEC Table 400-5 (B)

Paige Part Number	Power Conductor Size	Number of Conductors	Power Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal O.D.		Approximate Weight lbs./1000 ft	Ampacity (1) 30°C Ambient Temp
				inch	mm	inch	mm	inch	mm		
	AWG		No. of Stranding								
SOOW16-2	16	2	26/30	0.030	0.76	0.060	1.52	0.37	9.4	76	13.0
SOOW16-3	16	3	26/30	0.030	0.76	0.060	1.52	0.39	9.9	90	13.0
SOOW16-4	16	4	26/30	0.030	0.76	0.060	1.52	0.42	10.6	107	10.0
SOOW16-5	16	5	26/30	0.030	0.76	0.080	2.03	0.49	12.4	149	8.0
SOOW16-6	16	6	26/30	0.030	0.76	0.080	2.03	0.53	13.4	165	8.0
SOOW16-7	16	7	26/30	0.030	0.76	0.080	2.03	0.53	13.4	170	8.0
SOOW16-8	16	8	26/30	0.030	0.76	0.080	2.03	0.56	14.2	193	7.0
SOOW16-9	16	9	26/30	0.030	0.76	0.080	2.03	0.56	17.2	238	7.0
SOOW16-10	16	10	26/30	0.030	0.76	0.080	2.03	0.68	17.2	251	7.0
SOOW16-12	16	12	26/30	0.030	0.76	0.080	2.03	0.68	17.7	282	5.0
SOOW16-14	16	14	26/30	0.030	0.76	0.095	2.41	0.73	18.5	316	5.0
SOOW16-16	16	16	26/30	0.030	0.76	0.095	2.41	0.73	19.3	354	5.0
SOOW16-18	16	18	26/30	0.030	0.76	0.095	2.41	0.76	20.3	393	5.0
SOOW16-20	16	20	26/30	0.030	0.76	0.095	2.41	0.84	21.3	434	5.0
SOOW16-22	16	22	26/30	0.030	0.76	0.095	2.41	0.84	23.3	464	4.5
SOOW16-24	16	24	26/30	0.030	0.76	0.095	2.79	0.95	24.1	520	4.5
SOOW16-27	16	27	26/30	0.030	0.76	0.095	2.79	0.95	24.6	566	4.5
SOOW16-30	16	30	26/30	0.030	0.76	0.110	2.79	1.00	25.3	615	4.5
SOOW16-36	16	36	26/30	0.030	0.76	0.110	2.79	1.00	27.1	724	4.0
SOOW16-37	16	37	26/30	0.030	0.76	0.110	2.79	1.00	27.3	730	4.0
SOOW16-39	16	39	26/30	0.030	0.76	0.110	2.79	1.15	29.1	795	4.0
SOOW16-40	16	40	26/30	0.030	0.76	0.110	3.18	1.18	29.9	843	4.0
SOOW16-44	16	44	26/30	0.030	0.76	0.110	3.18	1.23	31.2	891	3.5
SOOW16-52	16	52	26/30	0.030	0.76	0.110	3.18	1.28	32.4	1016	3.5
SOOW16-60	16	60	26/30	0.030	0.76	0.125	3.18	1.35	34.2	1154	3.5
SOOW14-2	14	2	41/30	0.045	1.14	0.080	2.03	0.50	12.6	137	18.0
SOOW14-3	14	3	41/30	0.045	1.14	0.080	2.03	0.52	13.3	161	18.0
SOOW14-4	14	4	41/30	0.045	1.14	0.080	2.03	0.57	14.4	192	15.0
SOOW14-5	14	5	41/30	0.045	1.14	0.095	2.41	0.64	16.3	251	12.0
SOOW14-6	14	6	41/30	0.045	1.14	0.095	2.41	0.69	17.6	277	12.0
SOOW14-7	14	7	41/30	0.045	1.14	0.095	2.41	0.69	17.6	285	12.0
SOOW14-8	14	8	41/30	0.045	1.14	0.095	2.41	0.74	18.9	324	10.5
SOOW14-9	14	9	41/30	0.045	1.14	0.095	2.41	0.86	21.9	367	10.5
SOOW14-10	14	10	41/30	0.045	1.14	0.095	2.41	0.86	21.9	388	10.5
SOOW14-12	14	12	41/30	0.045	1.14	0.095	2.41	0.89	22.5	441	7.5
SOOW14-14	14	14	41/30	0.045	1.14	0.095	2.41	0.93	23.6	498	7.5
SOOW14-16	14	16	41/30	0.045	1.14	0.095	2.41	0.98	24.8	563	7.5
SOOW14-18	14	18	41/30	0.045	1.14	0.010	2.79	1.06	26.9	660	7.5
SOOW14-20	14	20	41/30	0.045	1.14	0.010	2.79	1.11	28.1	730	7.5
SOOW14-24	14	24	41/30	0.045	1.14	0.010	2.79	1.22	31.1	828	6.8
SOOW14-30	14	30	41/30	0.045	1.14	0.125	3.18	1.32	33.6	1027	6.8
SOOW14-36	14	36	41/30	0.045	1.14	0.125	3.18	1.42	36.2	1215	6.0
SOOW14-37	14	37	41/30	0.045	1.14	0.125	3.18	1.42	36.2	1224	6.0
SOOW14-44	14	44	41/30	0.045	1.14	0.125	3.18	1.59	40.4	1437	5.3
SOOW14-52	14	52	41/30	0.045	1.14	0.125	3.18	1.66	42.2	1648	5.3
SOOW14-60	14	60	41/30	0.045	1.14	0.148	3.58	1.79	45.5	1939	5.3

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	AWG		No. of Stranding	inch	mm	inch	mm	inch	mm		
SOOW12-2	12	2	65/30	0.045	1.14	0.095	2.41	0.57	14.4	184	25.0
SOOW12-3	12	3	65/30	0.045	1.14	0.095	2.41	0.59	15.0	217	25.0
SOOW12-4	12	4	65/30	0.045	1.14	0.095	2.41	0.64	16.3	261	20.0
SOOW12-5	12	5	65/30	0.045	1.14	0.095	2.41	0.70	17.8	319	16.0
SOOW12-6	12	6	65/30	0.045	1.14	0.095	2.41	0.74	18.8	344	16.0
SOOW12-7	12	7	65/30	0.045	1.14	0.095	2.41	0.74	18.8	358	16.0
SOOW12-8	12	8	65/30	0.045	1.14	0.095	2.41	0.80	20.2	408	14.0
SOOW12-9	12	9	65/30	0.045	1.14	0.095	2.41	0.92	23.5	461	14.0
SOOW12-10	12	10	65/30	0.045	1.14	0.110	2.79	0.95	24.2	519	14.0
SOOW12-12	12	12	65/30	0.045	1.14	0.110	2.79	0.98	24.9	591	10.0
SOOW12-14	12	14	65/30	0.045	1.14	0.110	2.79	1.03	26.1	668	10.0
SOOW12-16	12	16	65/30	0.045	1.14	0.110	2.79	1.08	27.5	755	10.0
SOOW12-18	12	18	65/30	0.045	1.14	0.125	3.18	1.17	29.6	878	10.0
SOOW12-20	12	20	65/30	0.045	1.14	0.125	3.18	1.22	31.0	971	10.0
SOOW12-24	12	24	65/30	0.045	1.14	0.125	3.18	1.35	34.3	1106	9.0
SOOW12-26	12	26	65/30	0.045	1.14	0.125	3.18	1.38	35.0	1180	9.0
SOOW12-30	12	30	65/30	0.045	1.14	0.125	3.18	1.43	36.3	1327	9.0
SOOW12-36	12	36	65/30	0.045	1.14	0.125	3.18	1.53	39.0	1573	8.0
SOOW12-37	12	37	65/30	0.045	1.14	0.125	3.18	1.53	39.0	1588	8.0
SOOW12-44	12	44	65/30	0.045	1.14	0.125	3.18	1.72	43.6	1868	7.0
SOOW12-60	12	60	65/30	0.045	1.14	0.125	3.18	1.90	48.3	2467	7.0
SOOW10-2	10	2	103/30	0.045	1.14	0.095	2.41	0.62	15.6	236	30.0
SOOW10-3	10	3	103/30	0.045	1.14	0.095	2.41	0.65	16.5	288	30.0
SOOW10-4	10	4	103/30	0.045	1.14	0.095	2.41	0.70	17.8	343	25.0
SOOW10-5	10	5	103/30	0.045	1.14	0.095	2.41	0.76	19.3	417	20.0
SOOW10-6	10	6	103/30	0.045	1.14	0.095	2.41	0.82	20.7	457	20.0
SOOW10-7	10	7	103/30	0.045	1.14	0.095	2.41	0.82	20.7	478	20.0
SOOW10-8	10	8	103/30	0.045	1.14	0.095	2.41	0.88	22.3	546	17.5
SOOW10-10	10	9	103/30	0.045	1.14	0.095	2.41	0.88	26.8	696	17.5
SOOW10-12	10	10	103/30	0.045	1.14	0.110	2.79	1.05	27.6	800	12.5
SOOW10-16	10	16	103/30	0.045	1.14	0.125	3.18	1.23	31.2	1068	12.5
SOOW10-20	10	20	103/30	0.045	1.14	0.125	3.18	1.35	34.4	1324	12.5
SOOW10-24	10	24	103/30	0.045	1.14	0.125	3.18	1.50	38.2	1515	11.3
SOOW10-26	10	26	103/30	0.045	1.14	0.125	3.18	1.54	39.0	1620	11.3
SOOW10-30	10	30	103/30	0.045	1.14	0.125	3.18	1.59	40.4	1828	11.3
SOOW10-34	10	34	103/30	0.045	1.14	0.141	3.58	1.74	44.3	2134	10.0
SOOW10-36	10	36	103/30	0.045	1.14	0.141	3.58	1.74	44.3	2232	10.0
SOOW10-40	10	40	103/30	0.045	1.14	0.141	3.58	1.87	47.4	2499	10.0
SOOW10-50	10	50	103/30	0.045	1.14	0.141	3.58	1.95	49.5	3047	10.0

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				inch	mm	inch	mm	inch	mm		
S00W8-2	8	2	67 / 0.0156	0.060	1.52	0.110	2.79	0.78	19.8	369	40.0
S00W8-3	8	3	67 / 0.0156	0.060	1.52	0.110	2.79	0.83	21.1	452	40.0
S00W8-4	8	4	67 / 0.0156	0.060	1.52	0.125	3.18	0.93	23.5	577	35.0
S00W8-5	8	5	67 / 0.0156	0.060	1.52	0.125	3.18	1.00	25.4	683	28.0
S00W6-2	6	2	101 / 0.0156	0.060	1.52	0.125	3.18	0.92	23.4	525	55.0
S00W6-3	6	3	101 / 0.0156	0.060	1.52	0.125	3.18	0.97	24.6	641	55.0
S00W6-4	6	4	101 / 0.0156	0.045	1.14	0.140	3.56	1.05	26.7	785	45.0
S00W6-5	6	5	101 / 0.0156	0.045	1.14	0.140	3.56	1.18	30.0	983	36.0
S00W4-2	4	2	165 / 0.0156	0.045	1.14	0.140	3.56	1.06	26.9	728	70.0
S00W4-3	4	3	165 / 0.0156	0.045	1.14	0.140	3.56	1.13	28.7	913	70.0
S00W4-4	4	4	165 / 0.0156	0.045	1.14	0.155	3.94	1.25	31.8	1156	60.0
S00W4-5	4	5	165 / 0.0156	0.045	1.14	0.155	3.94	1.31	33.2	1318	48.0
S00W2-2	2	2	262 / 0.0156	0.045	1.14	0.155	3.94	1.21	30.7	1000	95.0
S00W2-3	2	3	262 / 0.0156	0.045	1.14	0.155	3.94	1.30	33.1	1287	95.0
S00W2-4	2	4	262 / 0.0156	0.045	1.14	0.170	4.32	1.45	36.8	1644	80.0
S00W2-5	2	5	262 / 0.0156	0.045	1.14	0.170	4.32	1.53	38.8	1900	64.0