



SOOW Copper 600V



APPLICATIONS

Classic Wire Type SOOW cords are suitable for indoor and outdoor use and are resistant to the effects of weather, water, and sunlight. For small motors and associated machinery, portable tools and equipment.

CONSTRUCTION

Conductors: Flexible fine stranded conductors.

Insulation: Heat, moisture and oil resistant EPDM rubber insulation.

Assembly: The insulated conductors are cabled with non-wicking wax paper fillers, with a tissue-paper separator wrapped around the assembly to promote easier removal of the jacket.

Jacket: A heat, moisture and oil resistant flexible CPE jacket is extruded over the assembly to complete the construction.

CONDUCTOR IDENTIFICATION

2 Conductors: White, black

3 Conductors: White, black, green

4 Conductors: White, black, red, green

5 Conductors: White, black, red, orange, green

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry or Wet

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

4x outer diameter

Under Tension (During Pull):

6x outer diameter

RATINGS AND MARKINGS

Marked VW-1

Marked FT2

RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- UL 62 & CSA C22.2 No. 49 – Flexible Cords and Cables

LISTINGS AND CERTIFICATIONS

UL listed and marked

Item Number	Number of Insulated Conductors	Conductor			Thickness		Overall Diameter (in)	Weight	
		Size (AWG)	Strands	Diameter (in)	Insulation (in)	Jacket (in)		Cu (lb/1000 ft)	Net (lb/1000 ft)
18-02S000	2	18	16	0.047	0.030	0.060	0.339	10	68
18-03S000	3	18	16	0.047	0.030	0.060	0.357	15	79
18-04S000	4	18	16	0.047	0.030	0.060	0.386	20	94
18-05S000	5	18	16	0.047	0.030	0.080	0.456	25	129
18-06S000	6	18	16	0.047	0.030	0.080	0.489	30	149
18-07S000	7	18	16	0.047	0.030	0.080	0.489	35	154
18-08S000	8	18	16	0.047	0.030	0.080	0.522	40	175
18-09S000	9	18	16	0.047	0.030	0.080	0.577	45	211
18-10S000	10	18	16	0.047	0.030	0.080	0.599	50	228
18-12S000	12	18	16	0.047	0.030	0.080	0.617	60	248
18-14S000	14	18	16	0.047	0.030	0.080	0.645	70	276
18-16S000	16	18	16	0.047	0.030	0.095	0.706	80	327
18-18S000	18	18	16	0.047	0.030	0.095	0.739	90	360
18-20S000	20	18	16	0.047	0.030	0.095	0.739	100	369
18-24S000	24	18	16	0.047	0.030	0.095	0.849	120	476
18-27S000	27	18	16	0.047	0.030	0.095	0.866	135	505
18-30S000	30	18	16	0.047	0.030	0.095	0.895	150	544
18-36S000	36	18	16	0.047	0.030	0.100	0.969	180	641
18-50S000	50	18	16	0.047	0.030	0.110	1.120	249	866
16-02S000	2	16	26	0.060	0.030	0.060	0.365	16	82



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16-03S000	3	16	26	0.060	0.030	0.060	0.385	24	97
16-04S000	4	16	26	0.060	0.030	0.060	0.417	32	117
16-05S000	5	16	26	0.060	0.030	0.080	0.491	41	158
16-06S000	6	16	26	0.060	0.030	0.080	0.528	49	185
16-07S000	7	16	26	0.060	0.030	0.080	0.528	57	192
16-08S000	8	16	26	0.060	0.030	0.080	0.565	65	219
16-09S000	9	16	26	0.060	0.030	0.080	0.627	73	263
16-10S000	10	16	26	0.060	0.030	0.080	0.651	81	286
16-12S000	12	16	26	0.060	0.030	0.095	0.701	97	335
16-14S000	14	16	26	0.060	0.030	0.095	0.733	114	372
16-16S000	16	16	26	0.060	0.030	0.080	0.767	130	412
16-18S000	18	16	26	0.060	0.030	0.095	0.804	146	456
16-20S000	20	16	26	0.060	0.030	0.095	0.804	162	470
16-24S000	24	16	26	0.060	0.030	0.095	0.927	195	606
16-27S000	27	16	26	0.060	0.030	0.110	0.976	219	676
16-30S000	30	16	26	0.060	0.030	0.110	1.008	243	729
16-36S000	36	16	26	0.060	0.030	1.110	1.080	292	847
16-50S000	50	16	26	0.060	0.030	0.125	1.258	405	1157
14-02S000	2	14	41	0.075	0.045	0.075	0.474	26	137
14-03S000	3	14	41	0.075	0.045	0.075	0.500	38	161
14-04S000	4	14	41	0.075	0.045	0.075	0.542	51	194
14-05S000	5	14	41	0.075	0.045	0.095	0.627	64	255
14-06S000	6	14	41	0.075	0.045	0.095	0.675	77	299
14-07S000	7	14	41	0.075	0.045	0.095	0.675	90	310
14-08S000	8	14	41	0.075	0.045	0.095	0.724	102	355
14-09S000	9	14	41	0.075	0.045	0.095	0.805	115	429
14-10S000	10	14	41	0.075	0.045	0.095	0.837	128	468
14-12S000	12	14	41	0.075	0.045	0.095	0.863	153	512
14-14S000	14	14	41	0.075	0.045	0.095	0.905	179	572
14-16S000	16	14	41	0.075	0.045	0.110	0.980	205	666
14-18S000	18	14	41	0.075	0.045	0.110	1.029	230	738
14-20S000	20	14	41	0.075	0.045	0.110	1.029	256	760
14-24S000	24	14	41	0.075	0.045	0.110	1.191	307	987
14-27S000	27	14	41	0.075	0.045	0.125	1.247	345	1091
14-30S000	30	14	41	0.075	0.045	0.125	1.289	384	1178
14-36S000	36	14	41	0.075	0.045	0.125	1.383	460	1372
14-50S000	50	14	41	0.075	0.045	0.125	1.577	639	1819
12-02S000	2	12	65	0.090	0.045	0.090	0.534	41	180



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12-03S000	3	12	65	0.090	0.045	0.090	0.562	61	213
12-04S000	4	12	65	0.090	0.045	0.090	0.608	81	258
12-05S000	5	12	65	0.090	0.045	0.095	0.667	101	314
12-06S000	6	12	65	0.090	0.045	0.095	0.720	122	369
12-07S000	7	12	65	0.090	0.045	0.095	0.720	142	386
12-08S000	8	12	65	0.090	0.045	0.095	0.773	162	444
12-09S000	9	12	65	0.090	0.045	0.095	0.861	182	535
12-10S000	10	12	65	0.090	0.045	0.095	0.897	203	584
12-12S000	12	12	65	0.090	0.045	0.110	0.955	243	674
12-14S000	14	12	65	0.090	0.045	0.110	1.001	284	754
12-16S000	16	12	65	0.090	0.045	0.110	1.051	324	841
12-18S000	18	12	65	0.090	0.045	0.110	1.104	365	933
12-20S000	20	12	65	0.090	0.045	0.110	1.104	405	968
12-24S000	24	12	65	0.090	0.045	0.125	1.311	486	1293
12-27S000	27	12	65	0.090	0.045	0.125	1.339	547	1383
12-30S000	30	12	65	0.090	0.045	0.125	1.385	608	1499
12-36S000	36	12	65	0.090	0.045	0.125	1.488	730	1754
12-50S000	50	12	65	0.090	0.045	0.140	1.730	1013	2394
10-02S000	2	10	104	0.120	0.045	0.090	0.594	65	233
10-03S000	3	10	104	0.120	0.045	0.090	0.627	97	280
10-04S000	4	10	104	0.120	0.045	0.090	0.681	130	342
10-05S000	5	10	104	0.120	0.045	0.095	0.748	162	418
10-06S000	6	10	104	0.120	0.045	0.095	0.810	195	494
10-07S000	7	10	104	0.120	0.045	0.095	0.810	227	520
10-08S000	8	10	104	0.120	0.045	0.095	0.872	259	600
10-09S000	9	10	104	0.120	0.045	0.110	1.005	292	754
10-10S000	10	10	104	0.120	0.045	0.110	1.046	324	824
10-12S000	12	10	104	0.120	0.045	0.110	1.080	389	913
10-14S000	14	10	104	0.120	0.045	0.110	1.133	454	1027
10-16S000	16	10	104	0.120	0.045	0.110	1.191	519	1148
10-18S000	18	10	104	0.120	0.045	0.125	1.284	584	1319
10-20S000	20	10	104	0.120	0.045	0.125	1.284	649	1372
10-24S000	24	10	104	0.120	0.045	0.125	1.491	778	1770
10-27S000	27	10	104	0.120	0.045	0.125	1.524	876	1091
10-30S000	30	10	104	0.120	0.045	0.125	1.577	973	2065
8-02S000	2	8	133	0.158	0.050	0.090	0.702	106	336
8-03S000	3	8	133	0.158	0.050	0.090	0.743	159	409
8-04S000	4	8	133	0.158	0.050	0.090	0.811	212	504



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8-05S000	5	8	133	0.158	0.050	0.090	0.884	265	610
6-02S000	2	6	133	0.199	0.050	0.090	0.783	168	445
6-03S000	3	6	133	0.199	0.050	0.125	0.901	251	612
6-04S000	4	6	133	0.199	0.050	0.140	1.009	335	784
6-05S000	5	6	133	0.199	0.050	0.140	1.094	419	940
4-02S000	2	4	133	0.243	0.050	0.140	0.970	249	675
4-03S000	3	4	133	0.243	0.050	0.140	1.025	373	828
4-04S000	4	4	133	0.243	0.050	0.155	1.145	498	1058
4-05S000	5	4	133	0.243	0.050	0.155	1.241	622	1273
2-02S000	2	2	133	0.317	0.055	0.155	1.164	424	1020
2-03S000	3	2	133	0.317	0.055	0.155	1.232	635	1268
2-04S000	4	2	133	0.317	0.055	0.170	1.373	847	1619
2-05S000	5	2	133	0.317	0.055	0.170	1.492	1059	1958