



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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 Waukegan, IL 60085
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Seoprene® 600V SEOOW

Construction Parameters:

CONDUCTOR: 18 AWG - 10 AWG Class K stranded bare copper per ASTM B-174
INSULATION: TPE
JACKET: TPE

JKT COLOR: Black (Other colors available upon request)
JKT COLOR: *White

PRINT LEGEND: SOUTHWIRE® SEOPRENE® CORD X/C XX AWG (X.XXmm²) SEOOW E46194
 (UL) 600V -50C TO 105C -- CSA LL90458 STOOW(TPE) 600V -50C TO 105C FT2 WATER RESISTANT

INDENT: P-241-3-MSHA

***INDENT LEGEND:** SOUTHWIRE® SEOPRENE® CORD X/C XX AWG (X.XXmm²) SEOOW E46194
 (UL) 600V -50C TO 105C -- CSA LL90458 STOOW(TPE) 600V -50C TO 105C FT2 WATER RESISTANT P-241-3-MSHA

PHYSICAL PROPERTIES:

TEMPERATURE RANGE: -50°C to 105°C
WATER RESISTANT: Yes

ELECTRICAL PROPERTIES:

VOLTAGE RATING: 600V rms, Max

Industry Approvals:

- o UL Standard 62
- o CSA Standard C22.2 No. 49
- o NEC Article 501.140 Class I Div. 2
- o NEC Article 400
- o Federal Spec JC580
- o Passes CSA FT2 Flame Test
- o MSHA
- o EPA 40 CFR, Part 26, Subpart C, heavy metals per Table 1, TCLP method

Southwire Part No.	Discontinued Part No.	AWG	No. Cond.	Stranding	Insulation Wall, Nom.		O.D., Nom.		Net Weight		Amps*	Nom. DCR Ω/1M'
					Inches	mm	Inches	mm	Lb./kft.	kg/km		
569645	30505	18	5	16/30	0.030	0.76	0.462	11.73	108	161	5.5	6.40
598758	30605	18	6	16/30	0.030	0.76	0.484	12.29	118	176	5.5	6.40
598728	30705	18	7	16/30	0.030	0.76	0.484	12.29	125	186	4.5	6.40
598729	30805	18	8	16/30	0.030	0.76	0.517	13.13	141	210	4.5	6.40
598730	31005	18	10	16/30	0.030	0.76	0.592	15.04	169	251	3.5	6.40
598731	31205	18	12	16/30	0.030	0.76	0.610	15.49	192	286	3.5	6.40
598732	31405	18	14	16/30	0.030	0.76	0.636	16.15	216	321	3.5	6.40
595487	31605	18	16	16/30	0.030	0.76	0.695	17.65	252	375	3.5	6.40
--	32005	18	20	16/30	0.030	0.76	0.763	19.38	297	442	3.5	6.40
--	33005	18	30	16/30	0.030	0.76	0.897	22.78	422	628	3	6.40
--	33705	18	37	16/30	0.030	0.76	0.980	24.89	522	777	2.5	6.40
550555	30506	16	5	26/30	0.030	0.76	0.492	12.50	129	192	8	4.12
562791	30606	16	6	26/30	0.030	0.76	0.522	13.26	144	214	8	4.12
595375	30706	16	7	26/30	0.030	0.76	0.522	13.26	153	228	7	4.12
589888	30806	16	8	26/30	0.030	0.76	0.560	14.22	173	257	7	4.12
598735	31006	16	10	26/30	0.030	0.76	0.634	16.10	210	313	5	4.12
594889	31206	16	12	26/30	0.030	0.76	0.698	17.73	260	387	5	4.12
598736	31406	16	14	26/30	0.030	0.76	0.725	18.42	285	424	5	4.12
598737	31606	16	16	26/30	0.030	0.76	0.755	19.18	314	467	5	4.12
--	32006	16	20	26/30	0.030	0.76	0.835	21.21	378	563	5	4.12
--	32406	16	24	26/30	0.030	0.76	0.914	23.22	441	656	4.5	4.12
598738	33006	16	30	26/30	0.030	0.76	0.990	25.15	553	823	4.5	4.12
--	33706	16	37	26/30	0.030	0.76	1.071	27.20	671	999	4	4.12
550626	30507	14	5	41/30	0.045	1.14	0.642	16.31	212	315	4	2.64

Southwire Part No.	Discontinued Part No.	AWG	No. Cond.	Stranding	Insulation Wall, Nom.		O.D., Nom.		Net Weight		Amps*	Nom. DCR Ω/1M'
					Inches	mm	Inches	mm	Lb./Kft.	kg/km		
598739	30607	14	6	41/30	0.045	1.14	0.690	17.53	245	365	12	2.64
598740	30707	14	7	41/30	0.045	1.14	0.690	17.53	261	388	10	2.64
598741	30807	14	8	41/30	0.045	1.14	0.743	18.87	295	439	10	2.64
589921	31007	14	10	41/30	0.045	1.14	0.858	21.79	358	533	7	2.64
598742	31207	14	12	41/30	0.045	1.14	0.885	22.48	405	603	7	2.64
--	31407	14	14	41/30	0.045	1.14	0.926	23.52	518	771	7	2.64
598743	31607	14	16	41/30	0.045	1.14	1.007	25.58	533	793	7	2.64
--	32007	14	20	41/30	0.045	1.14	1.107	28.12	641	954	7	2.64
--	32407	14	24	41/30	0.045	1.14	1.250	31.75	928	1381	6	2.64
598744	33007	14	30	41/30	0.045	1.14	1.310	33.27	945	1406	6	2.64
--	33707	14	37	41/30	0.045	1.14	1.420	36.07	1127	1677	6	2.64
550497	30508	12	5	65/30	0.045	1.14	0.707	17.96	280	417	16	1.66
598745	30608	12	6	65/30	0.045	1.14	0.745	18.92	308	458	16	1.66
--	30708	12	7	65/30	0.045	1.14	0.745	18.92	332	494	14	1.66
598746	30808	12	8	65/30	0.045	1.14	0.802	20.37	373	555	14	1.66
--	31008	12	10	65/30	0.045	1.14	0.930	23.62	461	686	10	1.66
598750	31208	12	12	65/30	0.045	1.14	0.990	25.15	552	821	10	1.66
--	31408	12	14	65/30	0.045	1.14	1.040	26.42	700	1042	10	1.66
--	31608	12	16	65/30	0.045	1.14	1.090	27.69	786	1170	10	1.66
--	32008	12	20	65/30	0.045	1.14	1.200	30.48	832	1238	10	1.66
--	32408	12	24	65/30	0.045	1.14	1.360	34.54	1030	1533	9	1.66
--	33008	12	30	65/30	0.045	1.14	1.430	36.32	1239	1844	9	1.66
--	33708	12	37	65/30	0.045	1.14	1.540	39.12	1487	2213	8	1.66
550875	30509	10	5	104/30	0.045	1.14	0.762	19.35	358	533	20	1.05
598751	30609	10	6	104/30	0.045	1.14	0.820	20.83	421	627	20	1.05
598752	30709	10	7	104/30	0.045	1.14	0.845	21.46	449	668	17	1.05
--	30809	10	8	104/30	0.045	1.14	0.885	22.48	552	821	17	1.05
598753	31009	10	10	104/30	0.045	1.14	1.052	26.72	649	966	12	1.05
--	TBD	10	12	104/30	0.045	1.14	1.090	27.69	839	1249	12	1.05
--	TBD	10	14	104/30	0.045	1.14	1.120	28.45	844	1256	12	1.05
--	TBD	10	16	104/30	0.045	1.14	1.220	30.99	1073	1597	12	1.05
--	TBD	10	20	104/30	0.045	1.14	1.340	34.04	1186	1765	12	1.05
--	TBD	10	24	104/30	0.045	1.14	1.480	37.59	1394	2074	11	1.05
--	33009	10	30	104/30	0.045	1.14	1.560	39.62	1682	2503	11	1.05
--	33709	10	37	104/30	0.045	1.14	1.680	42.67	2031	3022	10	1.05

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.
* Ampacity based on NEC Table 400.5(A) and CEC Table 12.

This product complies with European Directive 2011/65/EU (RoHS-2)
The customer will accept all factory lengths and +/- 10 percent of total order requested.

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