

300V ROYAL® SJ00W Cord with Black Jacket 90°C. Silicone Free

300 Volt, 90°C Flexible Cord. Heat, Moisture and Oil Resistant EPDM Rubber Insulation and Sunlight, Heat, Moisture and Oil Resistant Flexible CPE Jacket

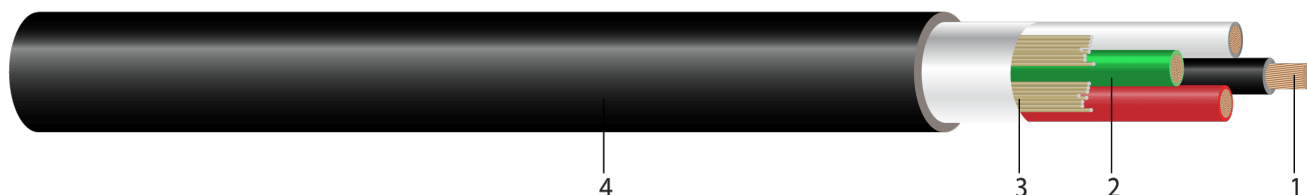


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- Conductor:** Class K stranded bare copper per ASTM B-174
- Insulation:** Heat, moisture and oil resistant EPDM
- Filler:** Waxed paper fillers, with a tissue-paper separator wrapped around the assembly
- Jacket:** Black Sunlight, Heat, Moisture and Oil Resistant Flexible CPE (Other colors available upon request)

APPLICATIONS AND FEATURES:

Southwire Type SJ00W Flexible Cords UL/ CSA listed are permitted for use as specified by Article 400 and related articles of the 2014 National Electrical Code. The cable is rated -40°C to 90°C, water, oil, and weather resistant, designed for hard usage on industrial equipment, heavy tools, battery chargers, portable lights welding leads, marine dockside power, power extensions and mining applications.

SPECIFICATIONS:

- UL 62 Flexible Cords and Cables
- CSA C22.2 No. 49 Flexible Cords and Cables
- MSHA flame test - P07-KA070018-1MSHA
- Passes CSA FT2 Flame Test
- RoHS-2 (European Directive 2011/65/EU)
- NEC Article 400 Flexible Cords, Cables and Fixture Wire
- NEC Article 501.140 Class I Division 2
- Federal Specification J-C-580B

SAMPLE PRINT LEGEND:

SOUTHWIRE® ROYAL® CORD XX/C XX AWG (XXmm²) SJ00W E46194 (UL) 300V -40C TO 90C -- CSA LL90458 SJ00W 300V -40C TO 90C FT2 WATER RESISTANT

PACKAGING:

Standard lengths: 250', 500' and 1,000' reels. Other lengths available upon request.



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Table 1 – Weights and Measurements

Stock Number	CCI Part #	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *	DC Resistance
		AWG/Kcmil	Count	# x AWG	mil	mil	inch	lb/1000ft	Amp	Ω/1000ft
557961	823225	18	2	41/30	30	45	0.290	45	10	6.59
558116	823225	18	2	16/30	30	30	0.29	37	10	6.59
558117	823325	18	3	16/30	30	30	0.31	49	10	6.59
558120	823425	18	4	16/30	30	30	0.33	59	7	6.59
558118	823226	16	2	26/30	30	30	0.31	46	13	4.05
560254	823226	16***	2	65/30	30	40	0.325	66	13	4.05
558085	823326	16	3	26/30	30	30	0.33	59	13	4.05
558119	823426	16	4	26/30	30	30	0.36	73	10	4.05
558121	823227	14	2	41/30	30	30	0.34	60	18	2.55
558086	823327	14	3	41/30	30	30	0.37	79	18	2.55
558123	823427	14	4	41/30	30	30	0.4	98	15	2.55
560015	823228	12**	2	65/30	30	50	0.41	90	25	1.61
558087	823328	12**	3	65/30	30	50	0.43	140	25	1.61
558124	823428	12**	4	65/30	30	40	0.47	150	20	1.61
558378	823229	10**	2	104/30	50	60	0.55	155	30	0.98
558125	823329	10**	3	104/30	50	60	0.57	200	30	0.98
558126	823429	10**	4	104/30	50	60	0.64	257	25	0.98

All dimensions are nominal and subject to normal manufacturing tolerances

∅ Cable marked with this symbol is a standard stock item

* Ampacities are based on TABLE 400.5(A) of the 2014 National Electrical Code and CEC Table 12.

** Not a Federal and Military Specification JC-580B

***No Fillers or Separator



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Table 2 – Weights and Measurements (Metric)

Stock Number	CCI Part #	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity *	DC Resistance
		AWG/Kcmil	Count	# x AWG	mm	mm	mm	kg/km	Amp	Ω/km
557961	823225	18	2	41/30	0.76	1.14	7.37	67	10	21.62
558116	823225	18	2	16/30	0.76	0.76	7.37	55	10	21.62
558117	823325	18	3	16/30	0.76	0.76	7.87	73	10	21.62
558120	823425	18	4	16/30	0.76	0.76	8.38	88	7	21.62
558118	823226	16	2	26/30	0.76	0.76	7.87	68	13	13.29
560254	823226	16***	2	65/30	0.76	1.02	8.25	98	13	13.29
558085	823326	16	3	26/30	0.76	0.76	8.38	88	13	13.29
558119	823426	16	4	26/30	0.76	0.76	9.14	109	10	13.29
558121	823227	14	2	41/30	0.76	0.76	8.64	89	18	8.37
558086	823327	14	3	41/30	0.76	0.76	9.40	118	18	8.37
558123	823427	14	4	41/30	0.76	0.76	10.16	146	15	8.37
560015	823228	12**	2	65/30	0.76	1.27	10.41	134	25	5.28
558087	823328	12**	3	65/30	0.76	1.27	10.92	208	25	5.28
558124	823428	12**	4	65/30	0.76	1.02	11.94	223	20	5.28
558378	823229	10**	2	104/30	1.27	1.52	13.97	231	30	3.22
558125	823329	10**	3	104/30	1.27	1.52	14.48	298	30	3.22
558126	823429	10**	4	104/30	1.27	1.52	16.26	382	25	3.22

Color Code

# of Conductor	Color Sequence
2	Black, White
3	Black, White, Green
4	Black, White, Red, Green



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