



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

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:

1. **Conductor:** Class K stranded bare copper per ASTM B-174
2. **Insulation:** Heat, moisture and oil resistant EPDM
3. **Filler:** Waxed paper fillers, with a tissue-paper separator wrapped around the assembly
4. **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
- Passes CSA FT2 Flame Test
- RoHS-3 Complies with European Directive 2015/863
- 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.





Table 1 – Weights and Measurements

Stock Number	CCI Part #	Cond. Size	Cond. Number	Cond. Strands	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Ampacity	Insul. Color	Jacket Color
		AWG/ Kcmil	No.	No.	mil	mil	inch	lb/1000ft	Amp		
557961	823225	18	2	41	30	40	0.290	44	10	BK,WE	BK
558116	823225	18	2	16	30	40	0.288	51	10	BK,WE	BK
558117	823325	18	3	16	30	40	0.310	59	7	BK,WE,GN	BK
558120	823425	18	4	16	30	40	0.333	73	5	BK,WE,RD,GN	BK
558118	823226	16	2	26	30	40	0.313	57	13	BK,WE	BK
560254	823226	16	2	65	30	30	0.325	66	13	BK,WE	BK
558085	823326	16	3	26	30	40	0.332	72	10	BK,WE,GN	BK
558119	823426	16	4	26	30	35	0.360	87	8	BK,WE,RD,GN	BK
558121	823227	14	2	41	30	35	0.336	69	18	BK,WE	BK
558086	823327	14	3	41	30	40	0.361	93	15	BK,WE,GN	BK
558123	823427	14	4	41	30	40	0.400	123	12	BK,WE,RD,GN	BK
560015	823228	12	2	65	30	60	0.415	109	25	BK,WE	BK
558087	823328	12	3	65	30	60	0.434	145	20	BK,WE,GN	BK
558124	823428	12	4	65	30	50	0.467	175	16	BK,WE,RD,GN	BK
558378	823229	10	2	104	45	70	0.555	174	30	BK,WE	BK
558125	823329	10	3	104	45	75	0.569	234	25	BK,WE,GN	BK
558126	823429	10	4	104	45	70	0.640	295	20	BK,WE,RD,GN	BK

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)(1) of the 2023 National Electrical Code and CEC Table 12.

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

***No Fillers or Separator





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 *	Insul. Color	Jacket Color
		AWG/ Kcmil	No.	No.	mm	mm	mm	kg/km	Amp		
557961	823225	18	2	41	0.76	1.02	7.37	65	10	BK,WE	BK
558116	823225	18	2	16	0.76	1.02	7.32	76	10	BK,WE	BK
558117	823325	18	3	16	0.76	1.02	7.87	88	7	BK,WE,GN	BK
558120	823425	18	4	16	0.76	1.02	8.46	109	5	BK,WE,RD,GN	BK
558118	823226	16	2	26	0.76	1.02	7.95	85	13	BK,WE	BK
560254	823226	16	2	65	0.76	0.76	8.25	98	13	BK,WE	BK
558085	823326	16	3	26	0.76	1.02	8.43	107	10	BK,WE,GN	BK
558119	823426	16	4	26	0.76	0.89	9.14	129	8	BK,WE,RD,GN	BK
558121	823227	14	2	41	0.76	0.89	8.53	103	18	BK,WE	BK
558086	823327	14	3	41	0.76	1.02	9.17	138	15	BK,WE,GN	BK
558123	823427	14	4	41	0.76	1.02	10.16	183	12	BK,WE,RD,GN	BK
560015	823228	12	2	65	0.76	1.52	10.54	162	25	BK,WE	BK
558087	823328	12	3	65	0.76	1.52	11.02	216	20	BK,WE,GN	BK
558124	823428	12	4	65	0.76	1.27	11.86	260	16	BK,WE,RD,GN	BK
558378	823229	10	2	104	1.14	1.78	14.10	259	30	BK,WE	BK
558125	823329	10	3	104	1.14	1.91	14.45	348	25	BK,WE,GN	BK
558126	823429	10	4	104	1.14	1.78	16.26	439	20	BK,WE,RD,GN	BK

* Ampacities are based on TABLE 400.5(A)(1) of the 2023 National Electrical Code and CEC Table 12.

Color Code

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

