

# ROYAL® SOOW CORD

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

## APPLICATIONS

Southwire Type SOOW 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. Southwire Type SOOW Flexible Cords are designed for extra hard usage on industrial equipment, heavy tools, battery chargers, portable lights, welding leads, marine dockside power, power extensions and mining applications.

## SPECIFICATIONS

- UL 62
- CSA Standard 22.2 No. 49
- NEC 400
- NEC 501.140 Class I Division 2
- Passes CSA FT2 Flame Test
- MSHA
- Federal and Military Specification JC-580B
- RoHS-2 (European Directive 2011/65/EU )

## CONSTRUCTION

1. Conductors: Class K stranded bare copper per ASTM B-174
2. Insulation: EPDM
3. Jacket: Black CPE (Other colors available upon request)

## SAMPLE PRINT LEGEND

SOUTHWIRE® ROYAL® CORD XX/C XX AWG (XXmm<sup>2</sup>) SOOW E46194 (UL) 600V -40C TO 90C --  
CSA LL90458 SOOW 600V -40C TO 90C FT2 WATER RESISTANT

## SAMPLE INDENT LEGEND

P-07-KA070018-1-MSHA

## PACKAGING

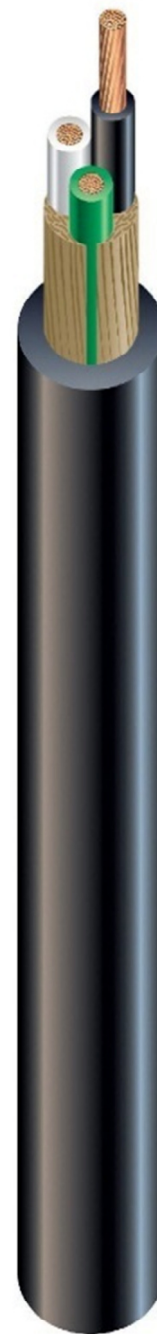
Standard lengths: 250', 500' and 1,000' reels. Other lengths available upon request.



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**ROYAL® SOOW CORD** 600 Volt 90°C Flexible Cord. Heat, Moisture and Oil Resistant EPDM Rubber Insulation, Heat, Moisture and Oil Resistant Flexible CPE Jacket.



**TABLE 1 - WEIGHTS & MEASUREMENTS**

Stock Code	CCI Part Number	Cond. Size AWG	No. of Cond.	No. of Strands	Insulation Thickness (Inchs)	Insulation Thickness (mm)	Nominal OD (Inchs)	Nominal OD (mm)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
558140	822225	18	2	16/30	0.03	0.76	0.35	8.79	67	100
558142	822325	18	3	16/30	0.03	0.76	0.37	9.27	84	125
558143	822425	18	4	16/30	0.03	0.76	0.39	9.91	98	146
558235	830505	18	5	16/30	0.03	0.76	0.47	11.81	138	205
560018	822226	16	2	26/30	0.03	0.76	0.37	9.40	81	121
558100	822326	16	3	26/30	0.03	0.76	0.39	9.91	94	140
558101	822426	16	4	26/30	0.03	0.76	0.42	10.54	118	176
558231	830506	16	5	26/30	0.03	0.76	0.50	12.57	155	231
558138	822227	14	2	41/30	0.05	1.14	0.50	12.70	134	199
558099	822327	14	3	41/30	0.05	1.14	0.53	13.34	169	251
558102	822427	14	4	41/30	0.05	1.14	0.57	14.48	201	299
558147	830507	14	5	41/30	0.05	1.14	0.67	16.97	275	409
558139	822228	12	2	65/30	0.05	1.14	0.57	14.48	184	274
558094	822328	12	3	65/30	0.05	1.14	0.60	15.11	224	333
558095	822428	12	4	65/30	0.05	1.14	0.65	16.38	276	411
558104	830508	12	5	65/30	0.05	1.14	0.71	18.11	326	485
558141	822229	10	2	104/30	0.05	1.14	0.62	15.75	225	335
558097	822329	10	3	104/30	0.05	1.14	0.66	16.76	299	445
558096	822429	10	4	104/30	0.05	1.14	0.71	18.03	360	536
558103	830509	10	5	104/30	0.05	1.14	0.77	19.56	418	622

**TABLE 2 - ELECTRICAL AND ENGINEERING DATA**

Stock Code	CCI Part Number	† Amps	Nom. DCR Ω/1M'	Color Code
558140	822225	10	6.59	Black, White
558142	822325	10	6.59	Black, White, Green
558143	822425	7	6.59	Black, White, Red, Green
558235	830505	5	6.59	Black, White, Red, Green, Orange
560018	822226	13	4.05	Black, White
558100	822326	13	4.05	Black, White, Green
558101	822426	10	4.05	Black, White, Red, Green
558231	830506	8	4.05	Black, White, Red, Green, Orange
558138	822227	18	2.55	Black, White
558099	822327	18	2.55	Black, White, Green
558102	822427	15	2.55	Black, White, Red, Green
558147	830507	12	2.55	Black, White, Red, Green, Orange
558139	822228	25	1.61	Black, White
558094	822328	25	1.61	Black, White, Green
558095	822428	20	1.61	Black, White, Red, Green
558104	830508	16	1.61	Black, White, Red, Green, Orange
558141	822229	30	0.98	Black, White
558097	822329	30	0.98	Black, White, Green
558096	822429	25	0.98	Black, White, Red, Green
558103	830509	20	0.98	Black, White, Red, Green, Orange

All dimensions are nominal and subject to nominal manufacturing tolerances

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

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**TABLE 1 - WEIGHTS & MEASUREMENTS**

Stock Code	CCI Part Number	Cond. Size AWG	No. of Cond.	No. of Strands	Insulation Thickness (Inchs)	Insulation Thickness (mm)	Nominal OD (Inchs)	Nominal OD (mm)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
560039	822316	8	3	133/29	0.06	1.52	0.85	21.54	485	722
630726	822591	8	4	133/29	0.06	1.52	0.95	24.21	619	921
596961	822540	8	5	133/29	0.06	1.52	1.03	26.26	722	1074
560041	822391	6	3	133/27	0.06	1.57	0.98	24.77	700	1042
560042	822589	6	4	133/27	0.07	1.73	1.13	28.58	837	1246
562068	822392	6	5	133/27	0.06	1.52	1.19	30.28	979	1457
570054	822601	4	3	133/25	0.06	1.52	1.14	28.88	902	1342
560925	822471	4	4	133/25	0.06	1.52	1.26	31.93	1144	1702
562067	822542	4	5	133/25	0.06	1.52	1.35	34.24	1320	1964
TBD	TBD	2	3	133/0.0223	0.06	1.52	1.31	33.27	1277	1900
560928	822491	2	4	133/0.0223	0.06	1.52	1.47	37.21	1639	2439
562065	822492	2	5	133/0.0223	0.06	1.52	1.59	40.36	1925	2865

**TABLE 2 - ELECTRICAL AND ENGINEERING DATA**

Stock Code	CCI Part Number	† Amps	Nom. DCR Ω/1M'	Color Code
560039	822316	40	0.63	Black, White, Green
630726	822591	35	0.63	Black, White, Red, Green
596961	822540	28	0.63	Black, White, Red, Green, Orange
560041	822391	55	0.4	Black, White, Green
560042	822589	45	0.4	Black, White, Red, Green
562068	822392	36	0.4	Black, White, Red, Green, Orange
570054	822601	70	0.25	Black, White, Green
560925	822471	60	0.25	Black, White, Red, Green
562067	822542	48	0.25	Black, White, Red, Green, Orange
TBD	TBD	95	0.16	Black, White, Green
560928	822491	80	0.016	Black, White, Red, Green
562065	822492	64	0.16	Black, White, Red, Green, Orange

All dimensions are nominal and subject to nominal manufacturing tolerances

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

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