



600V ROYAL® SOOW Cord Control with Black Jacket 90°C. MSHA Approved

600 Volt 90°C Flexible Cord. Heat, Moisture and Oil Resistant EPDM Rubber Insulation, 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 CPE (Other colors available upon request)

APPLICATIONS AND FEATURES:

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 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-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 ({mm²}) SOOW E46194 {UL} 600V -40°C TO 90°C -- {CSA} LL90458 SOOW 600V -40°C TO 90°C FT2 WATER RESISTANT {NOM}-ANCE -- {MSHA}

PACKAGING:

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





Table 1 – Weights and Measurements

Cable Number	
AWG/Kcmil	
558234 6	21766

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.

Table 2 – Weights and Measurements (Metric)

Cable Number	
AWG/Kcmil	
558234 6	21766

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





Color Table (/ means stripe RD/WE is Red with White Stripe)

Stock #	Conductor Installation Color	
512034	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK	None/Pap
512037	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE	None/Pap
512032	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE	None/Pap
512039	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD	None/Pap
512042	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD, WE/RD, OE/RD, BE/RD, RD/GN	None/Pap
512043	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD, WE/RD, OE/RD, BE/RD, RD/GN, OE/GN, BK, WE, RD	None/Pap
512035	BK, WH, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD, WE/RD, OE/RD, BE/RD, RD/GN, OE/GN, BK, WE, RD, GN, BK, WE, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK	None/Pap
512526	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK	Paper/Pap
512527	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE	Paper/Pap
512306	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE	Paper/Pap
512528	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD	None/Pap
512038	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD, WE/RD, OE/RD, BE/RD, RD/GN	None/Pap
512031	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD, WE/RD, OE/RD, BE/RD, RD/GN, OE/GN, BK, WE, RD	None/Pap
512028	BK, WH, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD, WE/RD, OE/RD, BE/RD, RD/GN, OE/GN, BK, WE, RD, GN, BK, WE, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK	Paper/My
512904	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK	Paper/Pap
512270	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE	Paper/Pap
512906	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE	Paper/Pap
512907	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD	Paper/Str
512909	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD, WE/RD, OE/RD, BE/RD, RD/GN, OE/GN, BK, WE, RD	None/Pap
512001	BK, WH, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD, WE/RD, OE/RD, BE/RD, RD/GN, OE/GN, BK, WE, RD, GN, BK, WE, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK	None/Pap
512397	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK	None/Pap
512905	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK	Paper/Pap
512902	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE	None/Pap
512307	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE	Paper/Pap
512903	H, RD, GN, OE, BE, WE, BK, RD/BK, GN/BK, OE/BK, BE/BK, BK/WE, RD/WE, GN/WE, BE/WE, BK/RD, WE/RD, OE/RD, BE/RD, RD/GN	Poly/Pap





Conductor Installation Color	None/Paper
312007 BK,WH,RD,GN,OE,BE,WE/BK,RD/BK,GN/BK,OE/BK,BE/BK,BK/WE,RD/WE,GN/WE,BE/WE,BK/RD,WE/RD,OE/RD,BE/RD,RD/GN,OE/ GN,BK,WE,RD,GN,OE,BE,WE/BK,RD/BK,GN/BK,OE/BK,BE/BK,BK/WE,RD/WE,GN/WE,BE/WE,BK/RD	None/Paper
312008 BK,WH,RD,GN,OE,BE,WE/BK,RD/BK,GN/BK,OE/BK	Paper/Paper
312009 BK,WH,RD,GN,OE,BE,WE/BK,RD/BK,GN/BK,OE/BK,BE/BK,BK/WE	None/Paper

