

UL / CSA Industrial Grade Single Conductors Type W

2000 Volt 90°C DRY Oil and Sunlight Resistant. RHH/RHW-2



Image not to scale. See Table 1 for Dimensions

CONSTRUCTION:

- 1. Conductors:** Conductors are manufactured in accordance with ASTM and B-172
- 2. Insulation:** EPDM
- 3. Jacket:** Black (Other colors available upon request)

APPLICATIONS AND FEATURES:

Type W Single Conductor is suitable for use in Industrial and light-to-medium mining applications, heavy-duty service motor, battery and generator leads. It is also used for mobile and portable electrical equipment.

SPECIFICATIONS:

- UL Listed as Type RHH or RHW-2 and Type W per UL 1650UL
- CSA Standard 22.2 No. 96
- NEC Article 400
- Passes CSA FT1, FT5 Horizontal Iamc Tests
- 1/0 and larger rated for CT use
- ANSI/ICEA S-75-381, NEMA WC58
- MSHA
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE INDENTED LEGEND:

SOUTHWIRE® ROYAL® XX AWG (XXmm²) TYPE W PORTABLE POWER CABLE E172226 (UL) RHH/RHW-2 FOR CT USE 2000V 90C DRY 90C WET SUN RES -- 156205 CSA TYPE W 2000V -40C FT1 FT5 P-07-KA100009-MSHA

PACKAGING

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



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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 (mils)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
	830200	8	1	133/29	0.07	1.78	0.45	11.30	132.5	197
	830201	6	1	259/30	0.07	1.78	0.53	13.34	192.5	286
	830202	4	1	259/28	0.07	1.78	0.57	14.55	252.8	376
	830204	2	1	259/26	0.07	1.78	0.63	16.08	351.9	524
	830205	1	1	259/25	0.09	2.29	0.74	18.75	450.5	670
	830206	1/0	1	259/24	0.09	2.29	0.76	19.25	525.6	782
	830207	2/0	1	342/24	0.09	2.29	0.81	20.52	636.1	947
	830208	3/0	1	418/24	0.09	2.29	0.86	21.79	730.7	1087
	830209	4/0	1	532/24	0.09	2.29	0.92	23.32	892.5	1328
	830210	250 MCM	1	627/24	0.11	2.67	1.01	25.60	1065.8	1586
	830212	350 MCM	1	888/24	0.11	2.67	1.12	28.40	1449.1	2156
	830214	500 MCM	1	1295/24	0.11	2.67	1.27	32.26	1991	2963

TABLE 2 - ELECTRICAL AND ENGINEERING DATA

Stock Code	CCI Part Number	Cond. Size AWG	† Amps NEC 1	† Amps NEC 2	Nom. DCR Ω/1M'
	830200	8	55	80	0.653
	830201	6	75	105	0.419
	830202	4	95	140	0.263
	830204	2	130	190	0.166
	830205	1	150	220	0.133
	830206	1/0	170	260	0.105
	830207	2/0	195	300	0.0834
	830208	3/0	225	350	0.0662
	830209	4/0	260	405	0.0525
	830210	250 MCM	290	455	0.0449
	830212	350 MCM	350	570	0.032
	830214	500 MCM	430	700	0.0224

All dimensions are nominal and subject to nominal manufacturing tolerances

† Ampacity: Column 1 based on NEC Table 310.16 for not more than three current carrying cond in a raceway, based on 30°C ambient air temperatre. Column 2 based on NEC Table 310.17 for single cond in free air assuming 30°C ambient air temperature.

