




# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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## Royal<sup>®</sup> Type W - Single Conductors

### Construction Parameters:

**CONDUCTOR:** 8 AWG - 500 MCM stranded bare copper  
**INSULATION:** EPDM  
**JACKET:** CPE  
**COLOR:** Black (Other colors available upon request)  
**INDENT LEGEND:** CCI ROYAL  XX AWG (X.XX mm<sup>2</sup>) TYPE W PORTABLE POWER CABLE E172226 (UL) RHH/RHW-2 2000V 90C DRY 90C WET SUN RES -- 156016 CSA TYPE W 2000V -40C FT1 FT5 P-07-KA100009-MSHA

### PHYSICAL PROPERTIES:

**TEMPERATURE RANGE:** -40°C to 90°C  
**WATER RESISTANT:** Yes

### ELECTRICAL PROPERTIES:

**VOLTAGE RATING:** 2000V rms, Max

### Industry Approvals:

- o UL Subject 1650
- o UL Standard 44
- o NEC Article 400
- o CSA C22.2 No. 96
- o Passes CSA FT1, FT5 Horizontal Flame Tests
- o '1/0 and larger rated for CT use
- o ANSI/ICEA S-75-381, NEMA WC58
- o MSHA
- o EPA 40 CFR, Part 261, Subpart C, heavy metals per Table 1, TCLP method

Part Number	AWG, MCM	No. Cond.	Stranding	Insulation Wall, Nom.		O.D., Nom.		Net Weight		NEC Amps*		Nom. DCR Ω/1M'
				Inches	mm	Inches	mm	Lb./kft.	kg/km	1	2	
830200	8	1	133/29	0.070	1.78	0.445	11.30	133	197	55	80	0.65
830201	6	1	259/30	0.070	1.78	0.525	13.34	193	286	75	105	0.42
830202	4	1	259/28	0.070	1.78	0.573	14.55	253	376	95	140	0.26
830204	2	1	259/26	0.070	1.78	0.633	16.08	352	524	130	190	0.17
830205	1	1	259/25	0.090	2.29	0.738	18.75	451	670	150	220	0.13
830206	1/0	1	259/24	0.090	2.29	0.758	19.25	526	782	170	260	0.11
830207	2/0	1	342/24	0.090	2.29	0.808	20.52	636	947	195	300	0.08
830208	3/0	1	418/24	0.090	2.29	0.858	21.79	731	1087	225	350	0.07
830209	4/0	1	532/24	0.090	2.29	0.918	23.32	893	1328	260	405	0.05
830210	250 MCM	1	627/24	0.105	2.67	1.008	25.60	1066	1586	290	455	0.04
830212	350 MCM	1	888/24	0.105	2.67	1.118	28.40	1449	2156	350	570	0.03
830214	500 MCM	1	1295/24	0.105	2.67	1.270	32.26	1991	2963	430	700	0.02

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.

\* 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 temperature. Column 2 based on NEC Table 310.17 for single cond in free air assuming 30°C ambient air temperature.

This product complies with European Directive 2011/65/EU (RoHS-2)

The customer will accept all factory lengths and +/- 10 percent of total order requested.

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