



PRODUCT DATA SHEET
Controlled Document - Engineering Drive

1530 Shields Drive
Waukegan, IL 60085
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Royal® Type W - Multi Conductors

Construction Parameters:

CONDUCTOR: 8 AWG - 1 AWG stranded bare copper
INSULATION: EPDM
COLOR CODE: 2/C: Black, White
3/C: Black, White, Green
4/C: Black, White, Red, Green
5/C: Black, White, Red, Green, Orange
JACKET: CPE
COLOR: Black (Other colors available upon request)
INDENT LEGEND: CCI ROYAL☞☞☞☞☞ XX AWG (X.XX mm²) X/C TYPE W PORTABLE POWER CABLE E172226 (UL)
2000V 90C DRY 90C WET SUN RES -- 156016 CSA TYPE W 2000V -40C FT1 FT5 P-07-KA100010-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 NEC Article 400
- o CSA C22.2 No. 96
- o Passes CSA FT1, FT5 Horizontal Flame Tests
- o MSHA
- o EPA 40 CFR, Part 261, Subpart C, heavy metals per Table 1, TCLP method

Part Number	AWG	No. Cond.	Stranding	Insulation Wall, Nom.		O.D., Nom.		Net Weight		Amps*		Nom. DCR Ω/1M'
				Inches	mm	Inches	mm	Lb./kft.	kg/km	NEC	CEC	
830220	8	2	133/29	0.060	1.52	0.792	20.12	333	495	74	74	0.07
830240	8	3	133/29	0.060	1.52	0.894	22.71	477	709	74	74	0.07
830260	8	4	133/29	0.060	1.52	0.971	24.66	582	866	65	59	0.07
830280	8	5	133/29	0.060	1.52	1.056	26.82	693	1032	52	55	0.07
830221	6	2	259/30	0.060	1.52	0.917	23.29	467	695	99	99	0.42
830241	6	3	259/30	0.060	1.52	0.976	24.79	613	912	99	99	0.42
830261	6	4	259/30	0.060	1.52	1.069	27.15	761	1133	87	79	0.42
830281	6	5	259/30	0.060	1.52	1.184	30.07	940	1399	69	75	0.42
830222	4	2	259/28	0.060	1.52	1.032	26.21	655	974	130	130	0.26
830242	4	3	259/28	0.060	1.52	1.108	28.14	819	1219	130	130	0.26
830262	4	4	259/28	0.060	1.52	1.223	31.06	1065	1584	114	102	0.26
830282	4	5	259/28	0.060	1.52	1.375	34.93	1347	2005	91	97	0.26
830224	2	2	259/26	0.060	1.52	1.223	31.06	959	1427	174	174	0.17
830244	2	3	259/26	0.060	1.52	1.300	33.02	1230	1830	174	174	0.17
830264	2	4	259/26	0.060	1.52	1.452	36.88	1580	2351	152	134	0.17
830284	2	5	259/26	0.060	1.52	1.566	39.78	1910	2842	121	128	0.17
830225	1	2	259/25	0.080	2.03	1.391	35.33	1116	1661	202	202	0.13
830245	1	3	259/25	0.080	2.03	1.452	36.88	1482	2205	202	202	0.13
830265	1	4	259/25	0.080	2.03	1.605	40.77	1852	2757	177	157	0.13
830285	1	5	259/25	0.080	2.03	1.875	47.63	2456	3655	141	150	0.13
Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.												
* Ampacity based on NEC Table 400.5(B) and CEC Table 12A.												

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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