



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal[®] Type G-GC Conductors

Construction Parameters:

CONDUCTOR: 8 AWG - 500 MCM stranded bare copper
INSULATION: EPDM
COLOR CODE: Conductors: Black, White, Red
 Grounds: Green
 Ground Check: Yellow
JACKET: CPE
COLOR: Black (Other colors available upon request)
IDENT LEGEND: CCI ROYAL XX AWG (X.XX mm²) X/C TYPE G-GC PORTABLE POWER CABLE E172226 (UL)
 2000V 90C DRY 90C WET SUN RES -- 156016 CSA TYPE G-GC 2000V -40C FT1 FT5 P-07-KA110009-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	Gauge AWG, MCM	No. Cond.	Stranding	Insulation Wall, Nom.		Green	Yellow	O.D., Nom.		Net Weight		Amps*		Nom. DCR Ω/1M'
				Inches	mm	Ground	Ground Check	Inches	mm	Lb./kft.	kg/km	NEC	CEC	
830330	8	3	133/29	0.060	1.52	2 #10	#10	0.940	23.88	587	874	65	65	0.65
830331	6	3	259/30	0.060	1.52	2 #10	#10	0.976	24.79	714	1063	87	87	0.42
830332	4	3	259/28	0.060	1.52	2 #8	#10	1.108	28.14	993	1478	114	114	0.26
830334	2	3	259/26	0.060	1.52	2 #7	#10	1.300	33.02	1395	2075	152	152	0.17
830335	1	3	259/25	0.080	2.03	2 #6	#8	1.450	36.83	1680	2500	177	177	0.13
830336	1/0	3	259/24	0.080	2.03	2 #5	#8	1.566	39.78	2081	3096	205	205	0.11
830337	2/0	3	342/24	0.080	2.03	2 #4	#8	1.680	42.67	2492	3709	237	237	0.08
830338	3/0	3	418/24	0.080	2.03	2 #3	#8	1.834	46.58	2997	4459	274	274	0.07
830339	4/0	3	532/24	0.080	2.03	2 #2	#8	1.948	49.48	3592	5345	316	316	0.05
830340	250	3	627/24	0.095	2.41	2 #2	#8	2.180	55.37	4297	6395	352	352	0.04
830341	350	3	888/24	0.095	2.41	2 #1/0	#8	2.597	65.96	6188	9209	433	433	0.03
830342	500	3	1295/24	0.095	2.41	2 #2/0	#8	2.940	74.68	8236	12256	536	536	0.02

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 for three current carrying conductors.

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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