



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Royal[®] Type W - Multi Conductors

Construction Parameters:

CONDUCTOR: 1/0 AWG - 500 MCM 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, MCM	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	
830226	1/0	2	259/24	0.080	2.03	1.452	36.88	1354	2015	234	234	0.11
830246	1/0	3	259/24	0.080	2.03	1.566	39.78	1797	2675	234	205	0.11
830256	1/0	4	259/24	0.080	2.03	1.719	43.66	2257	3358	205	182	0.11
830286	1/0	5	259/24	0.080	2.03	1.910	48.51	3289	4895	164	---	0.11
830227	2/0	2	342/24	0.080	2.03	1.566	39.78	1830	2723	271	271	0.08
830247	2/0	3	342/24	0.080	2.03	1.681	42.70	2233	3323	271	237	0.08
830257	2/0	4	342/24	0.080	2.03	1.873	47.57	2760	4107	237	211	0.08
830287	2/0	5	342/24	0.080	2.03	2.065	52.45	3438	5117	189	---	0.08
830228	3/0	2	418/24	0.080	2.03	1.681	42.70	1896	2822	313	313	0.07
830248	3/0	3	418/24	0.080	2.03	1.834	46.58	2564	3815	313	274	0.07
830258	3/0	4	418/24	0.080	2.03	1.986	50.44	3265	4859	274	243	0.07
830288	3/0	5	418/24	0.080	2.03	2.205	56.01	3993	5942	219	---	0.07
830229	4/0	2	532/24	0.080	2.03	1.834	46.58	2286	3402	361	361	0.05
830249	4/0	3	532/24	0.080	2.03	1.948	49.48	3137	4668	361	316	0.05
830259	4/0	4	532/24	0.080	2.03	2.082	52.88	3843	5719	316	280	0.05
830289	4/0	5	532/24	0.080	2.03	2.400	60.96	4908	7303	252	---	0.05
830270	250 MCM	3	627/24	0.095	2.41	2.210	56.13	3856	5738	402	352	0.04
830271	250 MCM	4	627/24	0.095	2.41	2.559	65.00	5252	7816	321	308	0.04
830272	350 MCM	3	888/24	0.095	2.41	2.597	65.96	5472	8144	495	433	0.03
830273	350 MCM	4	888/24	0.095	2.41	2.865	72.77	6996	10412	396	368	0.03
830274	500 MCM	3	1295/24	0.095	2.41	2.941	74.70	7362	10956	613	536	0.02
830275	500 MCM	4	1295/24	0.095	2.41	3.285	83.44	9587	14267	490	434	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.												

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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