

2000V Type G -GC Conductors

2000 Volt 90°C DRY UL / CSA Industrial Grade Portable Cord, Water and Sun Resistant



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 G-GC cables are suitable for use in industrial and light- to medium-duty mining applications, heavy-duty service as power supply cable, power cable for mobile and portable electrical equipment at a continuous conductor temperature of 90°C. Type G-GC cables may be used in marina (wet) applications. Type G -GC cables are suitable for use on three-phase AC systems where 3 conductors are needed and grounding is required with excellent flexibility.

SPECIFICATIONS:

- UL Listed as Type G per UL 1650
- CSA Standard 22.2 No. 96
- NEC Article 400
- Passes CSA FT1, FT5 Horizontal Iame Tests
- MSHA
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE INDENTED LEGEND:

SOUTHWIRE® ROYAL® XX AWG (XXmm²) X/C TYPE G-GC PORTABLE POWER CABLE E172226 (UL) 2000V 90C DRY 90C WET SUN RES -- 156205 CSA TYPE G-GC 2000V -40C FT1 FT5 P-07-KA110009-MSHA

PACKAGING

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



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TABLE 1 - WEIGHTS & MEASUREMENTS

CCI Part Number	Cond. Size AWG	No. of Cond.	No. of Strands	Insulation Thickness (Inchs)	Insulation Thickness (mm)	Jacket Thickness (Inchs)	Jacket Thickness (mm)	Nominal OD (Inchs)	Nominal OD (mils)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
830330	8	3	133/29	0.06	1.52	0.16	4.01	0.94	23.88	587.1	874
830331	6	3	259/30	0.06	1.52	0.16	3.99	0.98	24.79	714.3	1063
830332	4	3	259/28	0.06	1.52	0.17	4.32	1.11	28.14	993.1	1478
830334	2	3	259/26	0.06	1.52	0.21	5.33	1.30	33.02	1394.6	2075
830335	1	3	259/25	0.08	2.03	0.21	5.30	1.45	36.83	1679.9	2500
830336	1/0	3	259/24	0.08	2.03	0.22	5.70	1.57	39.78	2080.6	3096
830337	2/0	3	342/24	0.08	2.03	0.22	5.69	1.68	42.67	2492.3	3709
830338	3/0	3	418/24	0.08	2.03	0.25	6.31	1.83	46.58	2996.5	4459
830339	4/0	3	532/24	0.08	2.03	0.25	6.26	1.95	49.48	3591.9	5345
830340	250	3	627/24	0.10	2.41	0.25	6.22	2.18	55.37	4297.1	6395
830341	350	3	888/24	0.10	2.41	0.42	10.64	2.60	65.96	6187.9	9209
830342	500	3	1295/24	0.10	2.54	0.46	11.70	2.94	74.68	8235.7	12256

TABLE 2 - ELECTRICAL AND ENGINEERING DATA

CCI Part Number	Cond. Size AWG	No. of Cond.	† Amps NEC	† Amps CEC	Nom. DCR $\Omega/1M'$	Green Ground	Yellow Ground Check	Color Code
830330	8	3	65	65	0.653	2 #10	#10	Black, White, Red
830331	6	3	87	87	0.419	2 #10	#10	Black, White, Red
830332	4	3	114	114	0.263	2 #8	#10	Black, White, Red
830334	2	3	152	152	0.166	2 #7	#10	Black, White, Red
830335	1	3	177	177	0.133	2 #6	#8	Black, White, Red
830336	1/0	3	205	205	0.105	2 #5	#8	Black, White, Red
830337	2/0	3	237	237	0.0834	2 #4	#8	Black, White, Red
830338	3/0	3	274	274	0.0662	2 #3	#8	Black, White, Red
830339	4/0	3	316	316	0.0525	2 #2	#8	Black, White, Red
830340	250	3	352	352	0.0449	2 #2	#8	Black, White, Red
830341	350	3	433	433	0.032	2 #1/0	#8	Black, White, Red
830342	500	3	536	536	0.0224	2 #2/0	#8	Black, White, Red

All dimensions are nominal and subject to nominal manufacturing tolerances

† Ampacity: based on NEC Table 400.5(B) and CEC Table 12A for three current carrying conductors.