



Type W / G / G-GC

Coleman Cable offers a complete line of Type W, G, and G-GC constructions. Designed for longer service life, the premium-grade Ethylene Propylene (EPDM) insulation and Chlorinated Polyethylene (CPE) jacket materials are suitable for use in the harshest industrial conditions. The fully annealed Class K bare copper stranding and specially formulated compounds provide superior flexibility while remaining resistant to abrasion, crush, water, oil, chemicals/fluids and sunlight.

Features

- Superior abrasion, ozone, sunlight, chemical and oil resistance, and water provides excellent cable life in the harshest environments
- -40°C to 90°C Dry / 90°C Wet/Submersible Rated
- Meets or exceeds all MSHA and UL flame specifications

Applications

- Oil drilling platforms, shipyards, and marinas
- Portable power generation equipment
- Mining and mineral processing facilities

Constructions

- 8 AWG to 500 MCM fully annealed stranded bare copper
- Stranding per ASTM B 174
- EPDM/CPE insulation/jacket

Specifications & Standards

- UL
- CSA / c(UL)
- NEC Article 400
- MSHA
- RoHS



Royal® Type W - Single Conductor -40°C to 90°C, 2000V, RHH/RHW

Part Number	Gauge	Stranding	Insulation Thickness (in)	Insulation Thickness (mm)	Nom. OD (in)	Nom. OD (mm)	Weight (lbs./mft)	Weight (kg/km)	Amps 1*	Amps 2**
830200	8	133/29	0.060	1.52	0.449	11.40	133	197	55	80
830201	6	259/30	0.060	1.52	0.522	13.26	187	279	75	105
830202	4	259/28	0.060	1.52	0.575	14.61	254	378	95	140
830204	2	259/26	0.060	1.52	0.665	16.89	360	536	130	190
830205	1	259/25	0.080	2.03	0.742	18.85	452	672	150	220
830206	1/0	266/24	0.080	2.03	0.788	20.02	557	829	170	260
830207	2/0	342/24	0.080	2.03	0.825	20.96	642	955	195	300
830208	3/0	418/24	0.080	2.03	0.897	22.78	775	1153	225	350
830209	4/0	532/24	0.080	2.03	0.935	23.75	913	1359	260	405

*Ampacity 1 based on NEC Table 310.16 for not more than three current carrying conductors in a raceway, based on 30°C ambient air temperature.**Ampacity 2 based on NEC Table 310.17 for single conductor in free air assuming 30°C ambient air temperature.
Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.



Royal® Type W - Multi Conductors -40°C to 90°C, 2000V, UL/CSA

Part Number	Gauge	No. of Conds.	Stranding	Insulation Thickness (in)	Insulation Thickness (mm)	Nom. OD (in)	Nom. OD (mm)	Weight (lbs./mft)	Weight (kg/km)	Amps*
830260	8	4	133/29	0.060	1.52	1.000	25.40	618	920	65
830261	6	4	259/30	0.060	1.52	1.108	28.14	811	1207	87
830262	4	4	259/28	0.060	1.52	1.265	32.13	1132	1685	114
830264	2	4	259/26	0.060	1.52	1.500	38.10	1636	2434	152
830265	1	4	259/25	0.080	2.03	1.660	42.16	2041	3037	177
830256	1/0	4	266/24	0.080	2.03	1.775	45.09	2444	3637	205
830257	2/0	4	342/24	0.080	2.03	1.935	49.15	2870	4271	237
830258	3/0	4	418/24	0.080	2.03	2.050	52.07	3422	5092	274
830259	4/0	4	532/24	0.080	2.03	2.250	57.15	4166	6299	316

*Ampacity based on NEC Table 400.5(A)
Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.



Royal® Type G -40°C to 90°C, 2000V, Wet/Dry Rated, with Ground

Part Number	Gauge	No. of Conds.	Stranding	Green Ground Gauge	Insulation Thickness (in)	Insulation Thickness (mm)	Nom. OD (in)	Nom. OD (mm)	Weight (lbs./mft)	Weight (kg/km)	Amps*
830360	8	4	133/29	4#12	0.060	1.52	1.000	25.40	741	1103	52
830361	6	4	259/30	4#12	0.060	1.52	1.108	28.14	938	1800	69
830362	4	4	259/28	4#10	0.060	1.52	1.265	32.13	1318	1912	91
830364	2	4	259/26	4#9	0.060	1.52	1.500	38.10	1869	2798	122
830365	1	4	259/24	4#8	0.080	2.03	1.660	42.16	2241	3335	142
830366	1/0	4	266/24	4#7	0.080	2.03	1.775	45.09	2668	3971	164
830367	2/0	4	342/24	4#6	0.080	2.03	1.935	49.15	3248	4834	190
830368	3/0	4	418/24	4#5	0.080	2.03	2.050	52.07	3797	5650	219
830369	4/0	4	532/24	4#4	0.080	2.03	2.250	57.15	4707	7004	253

*Ampacity based on NEC Table 400.5(B)
Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.



Royal® Type G-GC -40°C to 90°C, 2000V, Wet/Dry Rated, with Ground/Ground Check

Part Number	Gauge	No. of Conds.	Stranding	Green Ground Gauge	Yellow Ground Check Gauge	Insulation Thickness (in)	Insulation Thickness (mm)	Nom. OD (in)	Nom. OD (mm)	Weight (lbs./mft)	Weight (kg/km)	Amps*
830330	8	3	133/29	2#10	10	0.060	1.52	0.925	23.50	610	907	65
830331	6	3	259/30	2#10	10	0.060	1.52	1.006	26.01	741	1103	87
830332	4	3	259/28	2#8	10	0.060	1.52	1.145	29.16	1041	1549	114
830334	2	3	259/26	2#7	10	0.060	1.52	1.345	33.38	1457	2168	152
830335	1	3	259/24	2#6	8	0.080	2.03	1.500	38.10	1799	2677	177
830336	1/0	3	266/24	2#5	8	0.080	2.03	1.620	41.15	2164	3221	205
830337	2/0	3	342/24	2#4	8	0.080	2.03	1.735	44.07	2562	3813	237
830338	3/0	3	418/24	2#3	8	0.080	2.03	1.895	48.13	3079	4582	274
830339	4/0	3	532/24	2#2	8	0.080	2.03	2.015	51.18	4283	6374	316

*Ampacity based on NEC Table 400.5(B)
Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.



Other constructions available. Call CCI for minimum runs and lead times.