

# PWC-442



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<b>Baton Rouge</b> 888-754-5707	<b>Las Vegas</b> 702-696-0001
<b>Houston</b> 888-388-6280	<b>Kentucky</b> 859-727-6100

## Three Conductor Round Type G-GC 600/2,000 Volts

### Applications:

Especially suitable for use with mobile mining equipment such as continuous miners, drills, cutters, loading machines, and AC shuttle cars. The type G-GC is for applications where grounding conductors and a ground check conductor are required. Recommended maximum continuous conductor temperature is 90°C.

Cable carries "MSHA" marking indicating listing by the Mine Safety and Health Administration and the Pennsylvania Department of Environmental Resources.

Mining Cable meets or exceeds ICEA Standards S-68-516 & S-75-381.

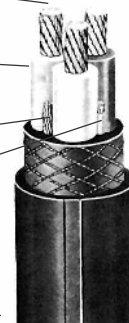
**Conductors**  
Flexible tinned copper

**Insulation**  
90°C Ethylene-Propylene rubber (EPR)

**Ground Wires**  
Flexible tinned copper

**Ground Check**  
Flexible tinned copper with yellow insulation (1).

**Jacket**  
Reinforced CPE with permanent surface marking (3).



Power Conductors			Grounding Conductor			Approx. O.D. in.	Diameter Tolerance Plus & Minus In.	Approx. Weight lbs. per 1,000 ft.	Ampacity (2) 40° C Ambient Temp.	
Size AWG/ MCM	Stranding		Insulation Thickness Mils	Size AWG	Minimum No. of Wires per Conductor					
8	133	7x19	60	10	49	7x7	.97	0.03	600	59
6	133	7x19	60	10	49	7x7	1.05	0.03	750	79
4	259	7x37	60	8	133	7x19	1.19	0.03	1070	104
2	259	7x37	60	7	133	7x19	1.34	0.03	1480	138
1	259	7x37	80	6	133	7x19	1.51	0.03	1890	161
1/0	266	19x14	80	5	133	7x19	1.65	0.04	2340	186
2/0	342	19x18	80	4	259	7x37	1.75	0.04	2750	215
4/0	532	19x28	80	2	259	7x37	2.04	0.05	3980	287
250	627	19x33	95	2	259	7x37	2.39	0.06	5000	320
350	888	37x24	95	1/0	266	19x14	2.68	0.06	6750	394
500	1221	37x33	95	2/0	342	19x18	3.03	0.06	8900	487

**(1) Ground Check-** 10 AWG (minimum 49 strand 7x7) ground check conductor on 8 AWG through 2 AWG cable.

8 AWG (minimum 133 strand 7x19) ground check conductor on 1 AWG through 4/0 AWG cable.

6 AWG (minimum 133 strand 7x19) ground check conductor on 250 MCM and larger cable.

**(2) Ampacity-** Based on 90°C conductor temperature. For other ampacity ratings under various conditions, see portable power cable ampacities table Inside Back Cover.

**(3) Jacket-** Black is standard. Colored jackets available upon request. **Thermoplastic polyurethane (TPU) also available.**

## 1-800-945-5542