

# PWC-422



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Virginia Beach  
757-361-0207  
Kentucky  
859-727-6100  
Las Vegas  
702-696-0001

## Three Conductor Flat Type G-GC

600/2,000 Volts

### Applications:

For use on A.C. off-track mining equipment. Especially designed for A.C. shuttle car service. 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

### Ground Wire

Uni-directional lay, flexible tinned copper

### Ground Check

Uni-directional lay 8 AWG 270W-6x45 Flexible tinned copper with yellow insulation

### Insulation

90°C Ethylene-Propylene rubber

### Reinforcement

Over assembly

### Jacket

CPE with permanent surface marking.



Power Conductors			Grounding Conductor		Approx. O.D. in. (1)	Approx. Weight lbs. per 1,000 ft.	Ampacity (2) 40° C Ambient Temp.
Size of Conductor AWG	No. of Wires per Conductor	Insulation Thickness Mils	Size AWG	No. of Wires			
6	133 7x19	60	8	270 6x45	.67 x 1.69	940	79
4	259 7x37	60	7	180 6x30	.75 x 1.89	1240	104
2	259 7x37	60	5	168 6x28	.81 x 2.23	1690	138
1	259 7x37	80	4	168 6x28	.97 x 2.48	2170	161
1/0	259 7x37	80	3	204 6x34	1.01 x 2.67	2550	186
2/0	329 7x47	80	2	246 6x41	1.10 x 2.86	3040	215
4/0	532 19x28	80	1/0	342 6x57	1.24 x 3.30	4250	287

(1) **Tolerances**- Minor Dimension  $\pm .050$   
Major Dimension  $\pm .080$

(2) **Ampacity**- Based on 90°C conductor temperature.

For other ratings under various conditions, see portable power cable ampacities table Inside Back Cover

Number of Layers	Multiplying Correction Factors
1	0.85
2	0.65
3	0.45
4	0.35

### Reel correction factors

For use with ampacities when one or more layers of cable are wound on a reel.

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