

# PWC-420



Little Rock 800-945-5542  
 Baton Rouge 888-754-5707  
 Houston 888-388-6280  
 Virginia Beach 757-361-0207  
 Kentucky 859-727-6100  
 Las Vegas 702-696-0001

## Two Conductor Flat Type G 600/2,000 volts

### Applications:

For use on D.C. off-track mining equipment where grounding is required. Especially designed for D.C. shuttle cars, cutting and loading machines. 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

### Insulation

90°C Ethylene-Propylene rubber (EPR)

### 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	.56 x 1.02	500	95
4	259 7x37	60	7	180 6x30	.61 x 1.15	660	127
2	259 7x37	60	5	168 6x28	.73 x 1.35	990	167
1	259 7x37	80	4	168 6x28	.81 x 1.55	1230	191
1/0	259 7x37	80	3	204 6x34	.93 x 1.67	1540	217
2/0	329 7x47	80	2	246 6x41	.99 x 1.85	1870	250
4/0	532 19x28	80	1/0	342 6x57	1.10 x 2.10	2600	328

(1) **Tolerances**- Minor Dimension  $\pm .030$   
 Major Dimension  $\pm .040$

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

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

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.

1-800-945-5542