

# PWC-414



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

## Four Conductor Flat Type W

600/2,000 volts

### Applications:

For use on A.C. off-track mining equipment where bare grounding conductors are not required or desired. Especially designed for AC shuttle care 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

### Insulation

90°C Ethylene-Propylene rubber (EPR)  
Color coded Black, White, Red, Green

### Reinforcement

Over assembly

### Jacket

CPE with permanent surface marking.



| Power Conductors            |                               |                                 | Approx O.D.<br>in. (1) | Approx.<br>Weight<br>lbs. per<br>1,000 ft. | Ampacity (2)<br>40°C<br>Ambient Temp. |
|-----------------------------|-------------------------------|---------------------------------|------------------------|--|---------------------------------------|
| Size of<br>Conductor<br>AWG | No. of Wires<br>per Conductor | Insulation<br>Thickness<br>Mils |                        |  |                                       |
| 6                           | 133 7x19                      | 60                              | .68 x 1.71             | 910  | 72                                    |
| 4                           | 259 7x37                      | 60                              | .76 x 1.91             | 1220                                       | 93                                    |
| 2                           | 259 7x37                      | 60                              | .82 x 2.25             | 1720                                       | 122                                   |
| 1                           | 259 7x37                      | 60                              | .97 x 2.48             | 2240                                       | 143                                   |

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

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

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

| Number<br>of<br>Layers | Multiplying<br>Correction<br>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**