

# PWC-505



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**Las Vegas**  
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## Three Conductor Type SHD-CGC 2,000 Volts

### Applications:

Heavy duty portable power cable for use in circuits not exceeding 2,000 volts. Equipment such as longwall miners, continuous miners, loaders, drills, conveyors, pumps, and other mobile equipment requiring grounding conductors, a ground check conductor, and metallic shielding overall. Recommended maximum continuous conductor temperature is 90°C.

Cable carries "MSHA" marking indicating acceptance as flame resistant by the Pennsylvania Department of Environmental Resources and the Federal Mine Safety and Health Administration.

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

### Conductors

Flexible tinned copper

### Separator Tape

### Insulation

90°C Ethylene-Propylene rubber (EPR)

### Ground Check Conductor

Located in the center of the conductor (1)

**Tape** colored rubber filled

### Insulation Shielding

Tinned copper and color coded nylon braid

### Ground Wires

Flexible tinned copper

### Jacket

Reinforced CPE with permanent surface marking (2).



Power Conductors			Grounding Conductor			Jacket Thickness Mils	Nominal Diameter In. (3)	Approx. Weight lbs. per 1,000 ft.	Ampacity (4) 40° C Ambient Temp.	
Size AWG/ MCM	Stranding		Insulation Thickness Mils	Size AWG	Minimum No. of Wires per Conductor					
2/0	342	19x18	80	5	133	7x19	205	2.09	3400	243
4/0	532	19x28	80	3	259	7x37	220	2.36	4860	321
350	888	37x24	95	1	259	7x37	250	2.81	7400	435

**(1) Ground Check-** 16 AWG tinned copper conductor designed to withstand extreme flexing and be extensible insulated with yellow polypropylene.

**(2) Jacket-** Black is standard. Colored jackets are available on request. **Thermoplastic polyurethane (TPU) also available.**

**(3) Diameters-** Subject to plus or minus 3% tolerance.

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

**1-800-945-5542**