

PWC-516



Little Rock
800-945-5542

Virginia Beach
757-361-0207

Baton Rouge
888-754-5707

Las Vegas
702-696-0001

Houston
888-388-6280

Kentucky
859-727-6100

Type SHD-PCG Longwall Cables 5,000 Volts

Applications:

Heavy duty portable power cable designed for use to power longwall shearers, where three shielded power conductors, three unshielded control conductors, and a grounding 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

Strand Shield

Semi-conducting layer

Insulation

90°C Ethylene-Propylene rubber (EPR)

Ground Wire

Flexible tinned copper

Control Group 3 Conductors

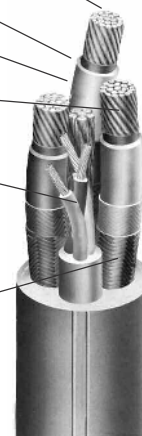
Flexible tinned copper, ethylene propylene rubber insulation color coded black, white, red and overall a thermosetting jacket.

Insulation Shielding

Color coded non-conducting tape under tinned copper and color coded nylon braid.

Jacket

Reinforced CPE with permanent surface marking.



Power Conductors		Grounding Conductor		Control Conductors		Nominal 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	Size AWG	No. of Wires	Size AWG	No. of Wires per Conductor			
2	259 7x37	5	168 6x28	8	133 7x19	2.03	3020	159
1/0	266 19x14	3	222 6x37	8	133 7x19	2.27	3850	211
2/0	342 19x18	2	246 6x41	8	133 7x19	2.45	4550	243
4/0	532 19x28	1/0	426 6x71	6	133 7x19	2.93	6300	321

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

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

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

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