

PWC-517



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

Three Conductor Type SHD-GC 8,000 Volts

Applications:

Heavy duty high voltage portable power cable for use in circuits not exceeding the rated voltage. These cables are used for heavy mobile equipment such as drag lines, shovels, dredges, drills, other off-track equipment, and for power feeders in underground mines. 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)

Insulation Shielding

Semi-conducting layer under tinned copper and color coded nylon braid.

Ground Check Conductor

Flexible tinned copper with yellow insulation (1)

Ground Wires

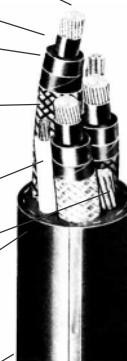
Flexible tinned copper.

Assembly

Rubber fillers and tape.

Jacket

Two layer 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 (5) 40° C Ambient Temp.
Size AWG/MCM	No. of Wires per Conductor (4)	Insulation Thickness Mils	Size AWG	Minimum No. of Wires per Conductor					
4	259 7x37	150	8	133 7x19		205	1.94	2180	122
2	259 7x37	150	6	133 7x19		220	2.12	2830	159
1	259 7x37	150	5	133 7x19		220	2.21	3350	184
1/0	266 19x14	150	4	259 7x37		220	2.32	3590	211
2/0	342 19x18	150	3	259 7x37		235	2.46	4190	243
4/0	532 19x28	150	1	259 7x37		250	2.75	5660	321
250	627 19x33	150	1/0	266 19x14		250	2.89	6740	355
350	888 37x24	150	2/0	342 19x18		280	3.20	8460	435
500	1221 37x33	150	4/0	532 19x28		295	3.56	10700	536

(1) Ground Check- 8 AWG (minimum 133 strand 7x19) ground check conductor on 4 AWG through 4/0 AWG cable. 6 AWG (minimum 133 strand 7x19) ground check conductor on 250 MCM and larger cable.

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

(3) Diameters- Subject to plus 8% minus 5% tolerance.

(4) Alternate strand constructions for power conductors:
1/0 AWG through 4/0 AWG 259 wire 37x7
4/0 AWG through 500 MCM 427 wire 61x7

(5) 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