

PWC-515



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 5,000 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 acceptance as flame resistant by the Pennsylvania Department of Environmental Resources and the Mine Safety and Health Administration.

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

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

Ground Check Conductor

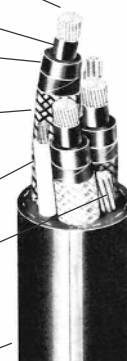
Flexible tinned copper with yellow insulation (1)

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 (5) 40° C Ambient Temp.
Size AWG/MCM	Number of Wires per Conductor (4)	Insulation Thickness Mils	Size AWG	Minimum No. of Wires per Conductor					
6	133 7x19	110	10	49 7x7		185	1.56	1560	93
4	259 7x37	110	8	133 7x19		185	1.68	1920	122
2	259 7x37	110	6	133 7x19		205	1.87	2500	159
1	259 7x37	110	5	133 7x19		205	1.95	2860	184
1/0	266 19x14	110	4	259 7x37		220	2.08	3390	211
2/0	342 19x18	110	3	259 7x37		220	2.20	3830	243
4/0	532 19x28	110	1	259 7x37		235	2.50	5300	321
250	627 19x33	120	1/0	266 19x14		250	2.69	6450	355
350	888 37x24	120	2/0	342 19x18		265	2.95	7880	435
500	1221 37x33	120	4/0	532 19x28		280	3.31	10440	536

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

6AWG (minimum 133 strand 7x19) ground check conductor on 250 MCM and larger cable.

2) Jacket- Black is standard. Colored jackets available upon 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