

PWC-519



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 15,000 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

8 AWG 7x19 wire flexible tinned copper with yellow insulation

Ground Wires

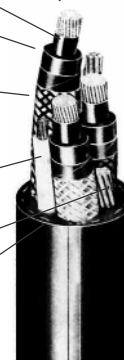
Flexible tinned copper.

Assembly

Rubber fillers and tape.

Jacket

Two layer reinforced CPE with permanent surface marking (1).



Power Conductors			Grounding Conductor			Jacket Thickness Mils	Nominal Diameter In. (2)	Approx. Weight lbs. per 1,000 ft.	Ampacity (3) 40° C Ambient Temp.
Size AWG/MCM	No. of Wires per Conductor (4)	Insulation Thickness Mils	Size AWG	Minimum No. of Wires per Conductor					
2	259 7X37	210	6	133	7x19	235	2.41	3500	164
1	259 7X37	210	5	133	7x19	235	2.52	4080	187
1/0	266 19X14	210	4	259	7x37	250	2.64	4610	215
2/0	342 19X18	210	3	259	7x37	250	2.73	4890	246
4/0	532 19X28	210	1	259	7x37	265	3.05	6820	325

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

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

(3) **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.

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

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