

PWC-503



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 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 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 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)

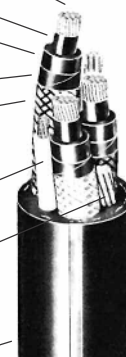
Tape colored rubber filled

Insulation Shielding
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 (4) 40° C Ambient Temp. |
|------------------|------------|---------------------------|---------------------|------------------------------------|-----------------------|--------------------------|-----------------------------------|----------------------------------|
| Size AWG/MCM | Stranding | Insulation Thickness Mils | Size AWG | Minimum No. of Wires per Conductor | | | | |
| 6 | 133 7x19 | 70 | 10 | 49 7x7 | 155 | 1.29 | 1160 | 93 |
| 4 | 259 7x37 | 70 | 8 | 133 7x19 | 155 | 1.40 | 1490 | 122 |
| 2 | 259 7x37 | 70 | 6 | 133 7x19 | 170 | 1.59 | 2000 | 159 |
| 1 | 259 7x37 | 80 | 5 | 133 7x19 | 190 | 1.76 | 2450 | 184 |
| 1/0 | 266 19x14 | 80 | 4 | 259 7x37 | 190 | 1.86 | 2840 | 211 |
| 2/0 | 342 19x18 | 80 | 3 | 259 7x37 | 205 | 2.00 | 3400 | 243 |
| 4/0 | 532 19x28 | 80 | 1 | 259 7x37 | 220 | 2.31 | 4860 | 321 |
| 250 | 627 19x33 | 95 | 1/0 | 266 19x14 | 220 | 2.51 | 5950 | 355 |
| 350 | 888 37x24 | 95 | 2/0 | 342 19x18 | 235 | 2.81 | 7400 | 435 |
| 500 | 1221 37x33 | 95 | 4/0 | 532 19x28 | 265 | 3.19 | 10100 | 536 |

(1) Ground Check- 10 AWG (minimum 49 strand 7x7) ground check conductor on 6 AWG through 4 AWG cable.

8 AWG (minimum 133 strand 7x19) ground check conductor on 2 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 upon 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