

**G-GC**  
**2000 V Portable Power Cable 90°C UL C(UL) MHSA**



**Construction**

Conductors: Flexible Stranded Bare copper, Class I UL44 and ASTM B 33  
 Insulation: Ethylene-propylene rubber (EPR)  
 Grounding Conductors: Tinned copper, insulation color green  
 Color code: Black, White, Red

**Features**

- Excellent flexibility
- Ozone, sun, weather and flame resistant
- Rated and flexible at -40°C to + 90°C
- Excellent impact and abrasion resistant
- Oil and heat resistant
- Bend radius: 6 x OD

**Approvals**

- UL: Oil Resistan, Oil resistant inners, sunlight resistant 90°C wet or dry
- C(UL): FT1, FT5, -40°C + 90°C
- MSHA

**Specification and Standards**

- ASTM B 33, UL 44, UL 1581

**Application**

For use on mining equipment, shuttle cars, cutting machines, loading machines, drills, conveyors, and pumps. For applications requiring a ground check conductor for added safety.

**Mining Grade**

Separator: Tape separator between the conductor and insulation  
 Jacket: Black extra heavy duty integral-filled CPE thermoset compound, ICEA S-75-381, sec 3.21 table3-3 (other color available)

| Part Number   | Conductor Size AWG-MCM | Conductor Stranding | Size Ground (Ground Check) AWG | Insulation Thickness Inch (mm) | Jacket Thickness Inch (mm) | OD Inch (mm) | Cable Wt lbs/Mft (kg/km) | Ampacity A 30 C° Ambient T. |
|---------------|------------------------|---------------------|--------------------------------|--------------------------------|----------------------------|--------------|--------------------------|-----------------------------|
| X-GGCM-2-03   | 2                      | 259 7x37            | 7 (10)                         | 0.060 (1.52)                   | 0.165 (4.19)               | 1.34 (34.0)  | 1461 (2176)              | 152                         |
| X-GGCM-1-03   | 1                      | 259 7x37            | 6 (8)                          | 0.080 (2.03)                   | 0.170 (4.31)               | 1.51 (38.4)  | 1861 (2772)              | 177                         |
| X-GGCM-1/O-03 | 1/O                    | 266 19x14           | 5 (8)                          | 0.080 (2.03)                   | 0.170 (4.31)               | 1.65 (41.9)  | 2256 (3360)              | 205                         |
| X-GGCM-2/O-03 | 2/O                    | 342 19x18           | 4 (8)                          | 0.080 (2.03)                   | 0.190 (4.83)               | 1.75 (44.5)  | 2695 (4014)              | 237                         |
| X-GGCM-4/O-03 | 4/O                    | 532 19x28           | 2 (8)                          | 0.080 (2.03)                   | 0.205 (5.21)               | 2.04 (51.8)  | 3889 (5791)              | 316                         |
| X-GGCM-350-03 | 350                    | 888 37x24           | 1/O (8)                        | 0.095 (2.41)                   | 0.280 (7.11)               | 2.68 (68.1)  | 6482 (9652)              | 433                         |

## Industrial Grade

Separator:

Single faced rubber filled binder tape applied overall

Jacket:

Black heavy duty integral-filled CPE thermoset compound, UL 1581 (other colors available)

| Part Number  | Conductor Size AWG-MCM | Conductor Stranding | Size Ground (Ground Check) AWG | Insulation Thickness Inch | Jacket Thickness Inch | OD Inch (mm) | Cable Wt lbs/Mft (kg/km) | Ampacity A 30 C° Ambient T. |
|--------------|------------------------|---------------------|--------------------------------|---------------------------|-----------------------|--------------|--------------------------|-----------------------------|
| X-GGC-8-03   | 8                      | 133 7x19            | 10 (10)                        | 0.060 (1.52)              | 0.141 (3.58)          | 0.99 (25.1)  | 661 (983)                | 65                          |
| X-GGC-6-03   | 6                      | 133 7x19            | 10 (10)                        | 0.060 (1.52)              | 0.141 (3.58)          | 1.05 (26.6)  | 781 (1162)               | 87                          |
| X-GGC-4-03   | 4                      | 259 7x37            | 8 (10)                         | 0.060 (1.52)              | 0.141 (3.58)          | 1.12 (28.4)  | 1013 (1507)              | 114                         |
| X-GGC-2-03   | 2                      | 260 7x37            | 7 (10)                         | 0.060 (1.52)              | 0.141 (3.58)          | 1.29 (32.8)  | 1413 (2103)              | 152                         |
| X-GGC-1-03   | 1                      | 261 7x37            | 6 (8)                          | 0.080 (2.03)              | 0.141 (3.58)          | 1.41 (35.8)  | 1716 (2554)              | 177                         |
| X-GGC-1/0-03 | 1/0                    | 266 19x14           | 5 (8)                          | 0.080 (2.03)              | 0.156 (3.96)          | 1.54 (39)    | 2096 (3119)              | 205                         |
| X-GGC-2/0-03 | 2/0                    | 342 19x18           | 4 (8)                          | 0.080 (2.03)              | 0.156 (3.96)          | 1.60 (40.6)  | 2466 (3670)              | 237                         |
| X-GGC-3/0-03 | 3/0                    | 418 19x22           | 2 (8)                          | 0.080 (2.03)              | 0.156 (3.96)          | 1.74 (44.3)  | 2982 (4437)              | 274                         |
| X-GGC-4/0-03 | 4/0                    | 532 19x28           | 2 (8)                          | 0.080 (2.03)              | 0.172 (4.36)          | 1.88 (47.7)  | 3627 (5397)              | 316                         |
| X-GGC-250-03 | 250                    | 627 19x33           | 2 (8)                          | 0.095 (2.41)              | 0.240 (6.10)          | 2.26 (57.3)  | 4568 (6798)              | 352                         |
| X-GGC-350-03 | 350                    | 888 37x24           | 1/0 (8)                        | 0.095 (2.41)              | 0.240 (6.10)          | 2.48 (63.1)  | 6003 (8933)              | 433                         |
| X-GGC-500-03 | 500                    | 1221 37x33          | 2/0 (8)                        | 0.095 (2.41)              | 0.270 (6.86)          | 2.87 (72.8)  | 8131 (12099)             | 536                         |