



Type G-GC Three-Conductor Flat Portable Power Cable 2kV

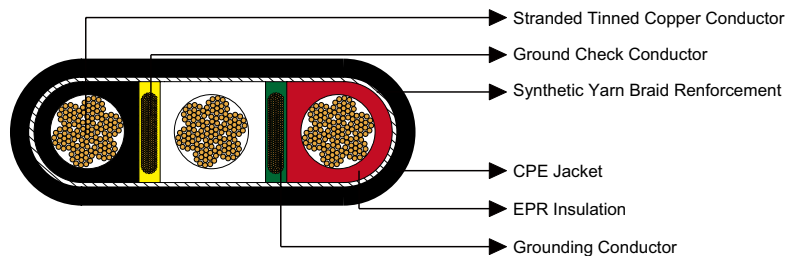
» Applications

These flat parallel cables are designed for use on AC mining equipment, such as A.C. shuttle cars, drills, cutting and loading machines.

» Standards

- ICEA S-75-381/NEMA WC 58
- ASTM B 172
- ASTM B 33
- CAN/CSA-C22.2 No.96

» Construction



Conductors:

Stranded annealed tinned copper conductor.

Insulation:

Ethylene Propylene Rubber (EPR).

Ground Check Conductor:

Tinned copper conductor with a yellow insulation.

Grounding Conductor:

Tinned copper conductor with an optional green outer covering.

Reinforcement:

Synthetic yarn.



Caledonian Mining Cables

Portable Power Cables

Jacket:

Heavy-duty/extra-heavy-duty Chlorinated Polyethylene (CPE), black. (Cables having a nominal outside diameter of more than 2.0 inches require extra-heavy-duty jackets.)

» Options

- Other jacket materials such as CSP/PCP/NBR/PVC are available upon request.
- Two-layer jacket with reinforcing fibre between the two layers can be offered as an option.

» Mechanical and Thermal Properties

Minimum Bending Radius: 6×OD

Maximum Conductor Operating Temperature: +90°C

» Dimensions and Weight

| Construction | No. of Strands | Grounding Conductor Size | Ground Check Conductor Size | Nominal Insulation Thickness | | Nominal Jacket Thickness | | Nominal Overall Diameter Height×Width | | Nominal Weight | | Ampacity |
|----------------------------|----------------|--------------------------|-----------------------------|------------------------------|-----|--------------------------|-----|---------------------------------------|-----------|----------------|-------|----------|
| | | | | inch | mm | inch | mm | inch | mm | lbs/kft | kg/km | |
| No. of cores×AWG/ kcmil | - | AWG/ kcmil | AWG/ kcmil | | | | | | | | | A |
| 3×6 | 133 | 8 | 8 | 0.06 | 1.5 | 0.095 | 2.4 | 0.66×1.67 | 16.8×42.4 | 900 | 1340 | 79 |
| 3×4 | 259 | 7 | 8 | 0.06 | 1.5 | 0.095 | 2.4 | 0.72×1.87 | 18.3×47.5 | 1175 | 1750 | 104 |
| 3×3 | 259 | 6 | 6 | 0.06 | 1.5 | 0.110 | 2.8 | 0.78×2.08 | 19.8×52.8 | 1395 | 2080 | 120 |
| 3×2 | 259 | 5 | 6 | 0.06 | 1.5 | 0.110 | 2.8 | 0.85×2.23 | 21.6×56.6 | 1625 | 2415 | 138 |
| 3×1 | 259 | 4 | 6 | 0.08 | 2.0 | 0.125 | 3.2 | 0.96×2.50 | 24.4×63.5 | 2090 | 3110 | 161 |
| 3×1/0 | 259 | 3 | 5 | 0.08 | 2.0 | 0.140 | 3.6 | 1.01×2.67 | 25.6×67.8 | 2470 | 3675 | 186 |
| 3×2/0 | 329 | 2 | 5 | 0.08 | 2.0 | 0.140 | 3.6 | 1.09×2.86 | 27.7×68.1 | 2940 | 4375 | 215 |
| 3×3/0 | 413 | 1 | 5 | 0.08 | 2.0 | 0.155 | 3.9 | 1.18×3.12 | 30.0×79.2 | 3515 | 5230 | 249 |
| 3×4/0 | 532 | 1/0 | 5 | 0.08 | 2.0 | 0.155 | 3.9 | 1.24×3.30 | 31.5×83.8 | 4245 | 6315 | 287 |

Ampacity-Based on a conductor temperature of 90°C and an ambient air temperature of 40°C, per ICEA S-75-381.