

Caledonian

Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com marketing@caledonian-cables.com

Portable Power Cables

Type G Three-Conductor Round Portable Power Cable 2kV 3C400AWG





APPLICATIONS

These cables are designed for use with mobile mining equipment, such as continuous miners, cutting or loading machines, conveyors, drills or pumps.

STANDARDS

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

CABLE CONSTRUCTION

Conductors: Stranded annealed tinned copper conductor.

Insulation: Ethylene Propylene Rubber (EPR).

Grounding Conductor: Tinned copper conductor with an optional green outer covering.

Jacket:Reinforced 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.

COLOUR CODE

Conductor Identification According to ICEA S-75-381:

3 Cores:Black+White+Red

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 6×OD

Maximum Conductor Operating Temperature: +90°C

DIMENSION AND PARAMETERS

| No. of | AWG | No. of | Nominal | Nominal | Ground | Nominal | Nominal | Approx. | Approx. | Approx. | Ampacity |
|--------|------|--|------------|------------|--------|---------|---------|---------|---------|---------|----------|
| Cores | Size | Strands | Insulation | Insulation | Wire | Jacket | Jacket | Overall | Overall | Weight | |
| | | ThicknessThickness ThicknessThicknessDiameter Diameter | | | | | | | | | |



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| | | | | in | mm | AWG | in | mm | in | mm | kg/km | amps |
|---|---|-----|-----|-------|-----|-----|------|-----|------|------|-------|------|
| ١ | 3 | 400 | 988 | 0.095 | 2.4 | 1/0 | 0.25 | 6.4 | 2.82 | 71.6 | 11575 | 430 |