



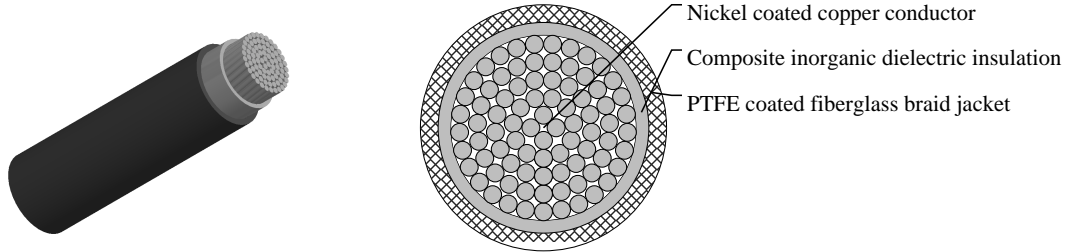
# Caledonian

Military Cables

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## MIL-W-25038/1 1C1/0AWG



### APPLICATIONS

These Composite Inorganic Dielectric insulated single-core MIL-W-25038/1 cables are used for critical circuit applications where wires must operate in extremely harsh environments, under vibration, and with direct flame exposure. This heavy-duty, non-asbestos construction offers excellent mechanical performance and abrasion resistance.

### VOLTAGE RATING

600V

### CABLE CONSTRUCTION

Conductor: Stranded 27% nickel coated copper conductor

Insulation: Composite inorganic dielectric insulation

Jacket: Polytetrafluoroethylene (PTFE) coated fiberglass braid jacket

Identification: Surface printed per MIL-W-25038

### COLOUR CODE

Color coded: MIL-STD-104

### PHYSICAL AND THERMAL PROPERTIES

Temperature Range: -55°C to +260°C

### DIMENSION AND PARAMETERS

| AWG Size | Conductor Stranding | Conductor Diameter | Conductor Diameter | Overall Diameter (min.) | Overall Diameter (min.) | Overall Diameter (max.) | Overall Diameter (max.) | Approx. Weight | Max. Resistance at 20°C |
|----------|---------------------|--------------------|--------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------|-------------------------|
|          |                     | in                 | mm                 | in                      | mm                      | in                      | mm                      | LBS/MFT        | OHMS/MFT                |
| 1/0      | 1035/30             | 0.395              | 10.033             | 0.537                   | 13.64                   | 0.573                   | 14.554                  | 415            | 0.153                   |