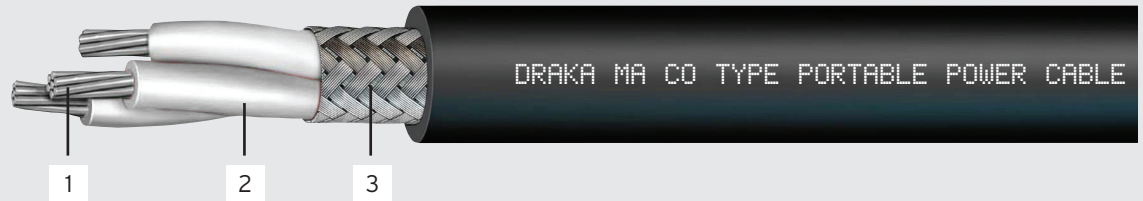




Draka

"CO" Type Portable Power Cable

multi-use field or MILSPEC 600 volt component cables / 22 AWG to 500 MCM
MIL-DTL-3432



Applications

M3432 cables are made to order per your specific requirements. They may be single or multiconductor and supplied with or without shielding. The cables will resist temperature extremes and remain flexible from as low as -55°C to +90°C. All are designed to withstand considerable physical abuse and are excellent for outdoor field use, marine applications or as machinery components requiring oil resistance.

Cables are offered in three duty classifications:

HEAVY DUTY (Class H) - Used where they may be run over by heavy vehicles, including tanks and trucks. Applications include heavy portable tools and equipment, charging cables and power and control cords.

MEDIUM DUTY (Class M) - Used where weight reduction is advantageous. Will withstand foot traffic and moderate abuse, but not vehicles or other heavy impacts. Applications include small portable tools, sound equipment, radio receivers and motor leads.

LIGHT DUTY (Class L) - Used for interconnection of major components. Can withstand some flexing, but should not be subjected to foot traffic or other impacts. Applications include lightweight portable power tools, small motor and generator leads or anywhere where flexibility rather than long life is essential.

Features

Highly tailorable construction
Flexible at low temperatures
Excellent termination molding compatibility
Available in thermoset (EPR/Neoprene)
or thermoplastic (TPE) variations

Construction

1. CONDUCTORS

22 AWG to 500 MCM available in Flexible (F) and Extra-flexible (E) strandings. Conductors may also be twisted together to form a group such as pairs, triples or quads. These are denoted by an "X" after the wire size and followed by the numbers of conductors contained in the group (e.g. 3/22 X 4). Uninsulated ground drain wires may also be used and are designated with the letter "R" (e.g. 3/8 R). Uninsulated ground wires are not counted in the total number of conductors. Tinned copper meeting requirements of A-A-59551 is used.

2. INSULATION

600 volt synthetic rubber or TPE.

3. SHIELDING

Tinned copper braid providing a minimum of 85% coverage if required.

Ratings

MIL-DTL-3432



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Use the matrix below to construct the cable you require.

Part number example

M3432-08 H G E (4/8S-4/12) SJ 1090

Designation

Total number of conductors

Duty

- H - Heavy
- M - Medium
- L - Light

Class

- G - General purpose, medium low temperature, -40°C to +75°C
- O - Medium low temperature, oil resistant, -40°C to +75°C
- L - Low temperature, heat resistant, -55°C to +75°C
- D - Low temperature, oil and heat resistant, -55°C to +75°C
- H - Low temperature, heat and weather resistant, -55°C to +90°C
- B - Low temperature, oil and weather resistant, -55°C to +80°C
- C - Low temperature, oil and heat resistant, -55°C to +80°C
- K - Low temperature, oil heat, and weather resistant, -55°C to +80°C
- N - Low temperature, oil and heat resistant, -55°C to +90°C
- E - Low temperature, ozone, oil, weather and heat resistant, -65°C to +90°C

Flexibility

- S - Semiflexible
- F - Flexible
- E - Extra-flexible

Conductor count and size - Specify 22 AWG to 500 MCM

Shielding (if applicable)

Outside diameter

Draka Engineered Specialties

22 Joseph E. Warner Blvd. | North Dighton, MA 02764 | Tel +1-508-822-5444
 761 Joseph E. Warner Blvd. | Taunton, MA 02780 | Tel +1-508-822-5444
 One Tamaqua Blvd. | Schuylkill Haven, PA 17972 | Tel +1-570-385-4381

For sales and technical information, contact:

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