

Flexible, Portable, Cable Polyethylene Singles Neoprene Jacket 600V, -55°C to +75°C

PRODUCT CODE: M13777
Reference: MIL-C-13777

Application

These ground support cables are designed for interconnection of mobile or portable complex weapon systems such as fire control instruments, generator units, radar devices, communications gear, guided missiles and artillery. They are for use where oil, ozone and weather resistance are of major importance. The cables may be used on bare ground, in shallow trenches, or swampy environments. These cables will survive severe bending, twisting and impacts over the rated operating temperature range.

Conductor
 Tin Coated Copper

Insulation
 Irraflex™ Primary

Jacket
 Neoprene



Military Ground

Type Designation – The type designation shall be identified by a combination of digits and letters. Cable types shall be as specified.

| S Cable Shield | 16 No. of Conductors | 1375 Nominal Cable Diameter | S Conductor Shield | C Coaxial |
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Cable Shield – When S precedes the number, an overall shield under the sheath is required.
Conductor Shield – When the letter S follows the diameter, individual conductor shields are required.
Coaxial Conductors – The letter C at the end of the type designation denotes that the cable contains one or more coaxial conductors.

- MIL-C-13777 / 1 – Cables with 1 – 5 Conductors
- MIL-C-13777 / 2 – Cables with 6 – 15 Conductors
- MIL-C-13777 / 3 – Cables with 16 – 20 Conductors
- MIL-C-13777 / 4 – Cables with 21 – 32 Conductors
- MIL-C-13777 / 5 – Cables with 33 – 52 Conductors
- MIL-C-13777 / 6 – Cables with 60 – 78 Conductors

Conductor: Flexible, tin coated copper. Size 18AWG and smaller include steel reinforcing strands.

Insulation: Extruded polyethylene, meeting the requirements of the above specification. Size 12AWG and smaller include a clear polyamide jacket.

Shielding: Tin coated copper braids with a minimum 85% coverage.

Jacket: Artic grade Polychloroprene (neoprene), meeting the thermal, mechanical and environmental requirements of the above specification.

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