

fischer *Core Series* Defense & Security Connectors



*Deployed
by military
forces
worldwide*



- Rugged
- Reliable
- 10,000 mating cycles
- Lightweight
- Miniature
- Push-pull
- -50°C to +150°C
- IP68 or High-vacuum
- EMC shielding
- Black chromium

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fischer
CONNECTORS

fischer Defense & Security Connectors

As defense equipment designers and manufacturers continue the development and integration of increasingly involved electronic systems into air, land, and sea-based applications, so demand for small, lightweight and robust interconnect systems grows.

Many armed and security forces around the world have chosen Fischer Connectors for their ruggedness, reliability, small size and lightweight characteristics. Navy video equipment, night vision systems, artillery calculators, rugged computer, soldier harnesses, intrusion detectors, surveillance equipment and personal role radios are examples of mission-critical applications, for which Fischer Connectors supplies the highest level of interconnection engineering.

"When it comes to mission-critical applications, to rely on precision technology is a must."

Among the major worldwide military programs which have recognized the inherent advantages of our connectors, Fischer Connectors is deeply involved in very demanding projects such as Future Force Warrior, FELIN, FIST, and many other future soldier programs.

FISCHER CONNECTORS CONFORM TO THE FOLLOWING INTERNATIONAL NORMS

- > MIL-DTL-45204D Type 1, gold plating
- > MIL-STD-202 method 307, contact resistance
- > IEC 60529, sealing
- > MIL-STD-810, environmental
- > RoHS compliant



The Fischer Connectors Core Series range has evolved from vacuum sealed free plugs and panel mounted sockets to a range of over 10,000 products. Thanks to its compact size and high density pin configuration (available with up to nine pins), the 102 series particularly suits demanding military applications. Operating temperatures go from -50°C to +150°C and standard environmental sealing is IP68 when both halves are mated. In addition, the sealed socket benefits from hermetic sealing between the contacts so, if a cap or plug is misplaced, no leaking occurs into the back of the unit. Options include front and back panel mount sockets, direct PCB mounting versions, plus coaxial connectors which, for example, are used in covert radios and rescue beacons. Fischer Connectors generally supply push-pull connectors, but specific applications – like communication headsets where cables are likely to be snagged in undergrowth – require our Quick Release connectors, whose locking mechanism is designed for quick release through a sharp tug.

Innovative and flexible, Fischer Connectors is committed to ensure that an application is equipped with the best suitable connector. Certified ISO 9001 and ISO 14001, Fischer Connectors embraces Total Quality through continuous improvement in all processes and procedures.

Soft caps

- Available in Single-piece or Lanyard models
- Lightweight (< 5 g)
- Noiseless operation
- Rugged
- Operating temperature -55°C to +85°C
- IP68
- Easily installed

Ideal protection for unmated connectors in the field



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