

fischer[®]
CONNECTORS



DEFENSE & SECURITY
CONNECTIVITY SOLUTIONS



THE RELIABLE EXPERT

fischer[®]
CONNECTORS



DESIGNING AND MANUFACTURING MILITARY
CONNECTORS AND CABLE ASSEMBLIES
FOR MORE THAN 60 YEARS

MISSION-CRITICAL INTERCONNECT SOLUTIONS TO PROTECT YOUR DEVICES — AND THE PEOPLE WHO DEPEND ON THEM

At Fischer Connectors, we know the functionality of your products can be a matter of life and death for the soldiers who rely on them. That's why we're not just a supplier of interconnect solutions, we're a partner in your effort to keep people, systems and data safe.

With more than 60 years of experience designing and manufacturing connectors and cable assemblies for military applications, we provide customizable solutions which are renowned for their reliability, durability and performance.

Whether for the sea, the air or the battlefield, Fischer Connectors will help you deliver durable, reliable and lightweight military equipment that protects what matters most.



DISMOUNTED SOLDIER SOLUTIONS



CUTTING-EDGE WEARABLE CONNECTIVITY FOR EVERY MISSION

Lightweight integrated solutions with maximum usability for the soldiers of tomorrow

- Easy subsystem integration
- Fast set-up
- Customizable
- Multiple mission configurations
- Fully cleanable

Check out the video online: military.fischerconnectors.com/#dismounted-soldier

KEY INTERCONNECT FEATURES



INTEGRATED
SOLUTIONS



RUGGED



SEALED



ULTRA-FAST DATA
TRANSFER



COMPACT &
LIGHTWEIGHT

C4STAR

TESTED
MIL&IEC

MATING CYCLES
10,000

IP68

COMMUNICATION & DATA MANAGEMENT

Radio & batteries, headsets, GPS, cameras, computers & displays

TARGET ACQUISITION & WEAPON SYSTEMS

IR scopes, lights, lasers

HEALTH MONITORING & WORN ROBOTICS

Exoskeletons, body sensors

POWER SUPPLY SYSTEMS

Li-Ion battery bags



MAXIMIZE

USABILITY

Push-pull or quick-release locking and 360° blind mating for easy set-up and use

PERFORMANCE

High pin density connectors; USB 3.0 connectors and flash drives

WEARABILITY

Flexible and balanced for ease of movement during critical tasks



MINIMIZE

WEIGHT

Lightweight integration for reduced load in harsh environments

SPACE

Extremely compact and dense

PRODUCT HIGHLIGHTS*



LP360

Low profile, 360-degree mating for ultimate usability



NEW



FISCHER MINIMAX™ SERIES

High density, signal and power in one miniature connector



FISCHER RUGGED FLASH DRIVE

Safe storage of sensitive data in harsh environments



* More solutions available with our other product lines – see last page or contact us.

GROUND SOLUTIONS



MISSION-CRITICAL CONNECTIVITY, FROM BASE TO BATTLEFIELD

Ultra-rugged solutions designed to withstand the hazards of ground deployment even in the harshest environments

- High-speed & encrypted data transfer
- Easy to operate
- Customizable
- Secured data storage
- Lightweight & miniature

Check out the video online: military.fischerconnectors.com/#ground

KEY INTERCONNECT FEATURES



INTEGRATED SOLUTIONS



RUGGED



SEALED



ULTRA-FAST DATA TRANSFER



COMPACT & LIGHTWEIGHT

TESTED
MIL&IEC

MATING CYCLES
10,000

IP68

**USB 3.0
& 10Gb/s**

VEHICLES

Radio & batteries, headsets, satellite com, GPS, cameras, computers & displays

WEAPON SYSTEMS

Guidance systems, missile defense launchers & propulsion, target acquisition systems

UNMANNED SYSTEMS

Ground robots, UGVs

FIELD

Computers & displays, satellite communication, GPS, power source devices, training & simulation equipment



MAXIMIZE

DATA TRANSMISSION INTEGRITY

EMI shielding, high-speed encrypted protocols or over fiber for faster interconnectivity

RELIABILITY

Proven range of robust, easy-to-operate battlefield solutions

MIL-SPEC COMPATIBLE, INTEGRATED CONNECTIVITY

Designed for the harshest environments

MINIMIZE

LOAD

Lightweight, miniature and high-density electrical and optical solutions

RISK & COMPLEXITY

Fully customized interconnectability and secure data storage



PRODUCT HIGHLIGHTS*



FISCHER RUGGED FLASH DRIVE

Safe storage of sensitive data in harsh environments



FISCHER FIBEROPTIC SERIES

Robust optical performance for extreme environments



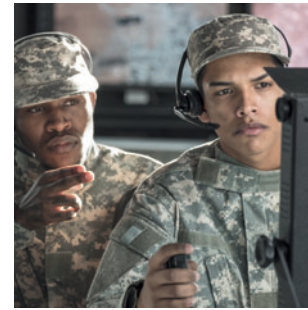
FISCHER ULTIMATE™ SERIES

Rugged, compact and lightweight for durable reliability



* More solutions available with our other product lines – see last page or contact us.

AEROSPACE SOLUTIONS



AIRBORNE INTERCONNECTIVITY, FROM TAKEOFF TO THE CLOUDS

Rugged solutions for complex aerospace applications, ensuring safety and connectivity at every altitude

- Maximum performance, data rate & hermeticity
- High-density, lightweight materials
- Easy to operate
- Adapted to complex aerospace requirements
- Customizable

Check out the video online: military.fischerconnectors.com/#aerospace

KEY INTERCONNECT FEATURES



INTEGRATED
SOLUTIONS



RUGGED



SEALED



ULTRA-FAST DATA
TRANSFER



COMPACT &
LIGHTWEIGHT

REACH & RoHS
COMPLIANT

MATING CYCLES
10,000

IP68 & IP69

WEAPON SYSTEMS

Missile defense launchers & propulsion, guidance & radar

AIRCRAFT & ROTORCRAFT

Avionics & management systems, guidance, radar, communication, sensor systems

UNMANNED SYSTEMS

Fixed-wing aircraft, rotorcraft



MAXIMIZE

PERFORMANCE

Resistance to shock, vibrations, corrosion and extreme temperatures

DATA RATE

High-speed electrical and optical solutions for complex systems

HERMETICITY

High-performance sealing to ensure safety in critical applications and long distances

MINIMIZE

SPACE & WEIGHT

Compact, lightweight materials without compromising reliability

RISK

Adapted to complex aerospace requirements and resistant to extreme conditions

PRODUCT HIGHLIGHTS*



FISCHER MINIMAX™ SERIES

High density, signal and power in one miniature connector



FISCHER ULTIMATE™ SERIES

Rugged, compact and lightweight for durable reliability



FISCHER RUGGED FLASH DRIVE

Safe storage of sensitive data in harsh environments



* More solutions available with our other product lines – see last page or contact us.

MARINE SOLUTIONS



SEALED INTERCONNECTIVITY FOR PERFORMANCE AND SAFETY AT ANY DEPTH

Rugged interconnect solutions designed to withstand even the most challenging marine environments

- Fully-sealed & water-resistant
- Supports complex protocols
- High-speed, secure data transfer & storage
- Miniature & lightweight
- Customizable to a wide range of depths

Check out the video online: military.fischerconnectors.com/#marine

KEY INTERCONNECT FEATURES



INTEGRATED SOLUTIONS



RUGGED



SEALED



ULTRA-FAST DATA TRANSFER

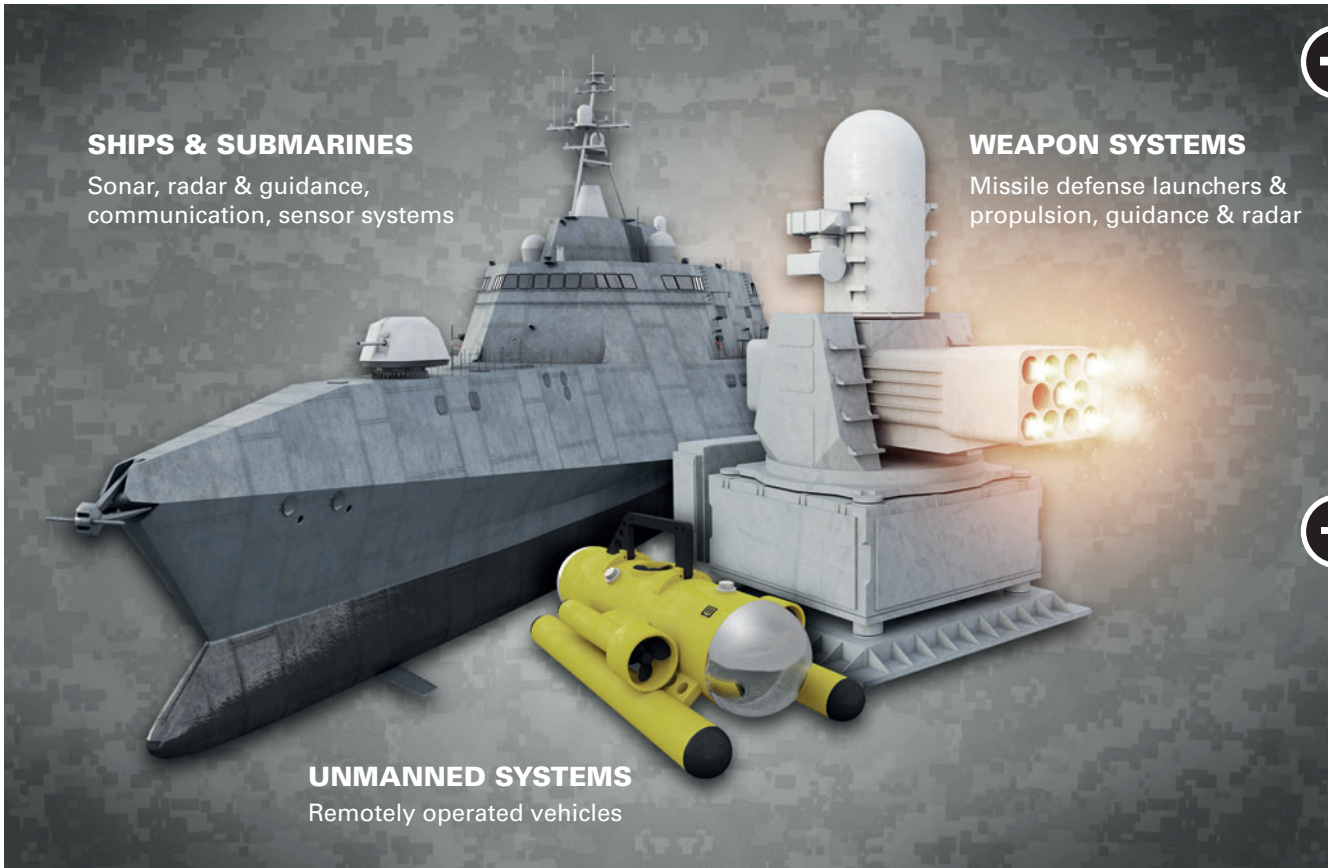


COMPACT & LIGHTWEIGHT

TESTED
MIL&IEC

IP68 & IP69

CORROSION RESISTANCE
1000h



SHIPS & SUBMARINES

Sonar, radar & guidance, communication, sensor systems

WEAPON SYSTEMS

Missile defense launchers & propulsion, guidance & radar

UNMANNED SYSTEMS

Remotely operated vehicles

MAXIMIZE

PERFORMANCE

Customized water resistance for a wide range of depths

SMART COMMUNICATION

High-density connectivity for improved power and bandwidth

EFFICIENCY

High-speed MIL-spec compatible solutions tailored to your requirements

MINIMIZE

SPACE & WEIGHT

Wide range of materials, configurations, power connectors and cable harnesses

RISK

Proven sealing and integration even in the most challenging marine environments

PRODUCT HIGHLIGHTS*



FISCHER ULTIMATE™ SERIES

Rugged, compact and lightweight for durable reliability



FISCHER CORE SERIES STAINLESS STEEL

Original high-performance push-pull connectors



FISCHER RUGGED FLASH DRIVE

Safe storage of sensitive data in harsh environments



TESTED AT
-120m/24h

* More solutions available with our other product lines – see last page or contact us.



CONNECTOR SERIES FOR **DEFENSE & SECURITY**



ANY SIZE
ANY CONFIGURATION
ANY APPLICATION



RUGGED
COMPACT
LIGHTWEIGHT



ROBUST
OPTICAL PERFORMANCE
EASY CLEANING



HIGH DENSITY
SIGNAL & POWER
MINIATURIZATION

LOCKING	Push-pull Quick-release / Friction	Push-pull Quick-release	Push-pull	Push-pull Screw-locking Quick-release
SHELL MATERIAL	Chromium / Plated brass	Brass / Aluminum	Brass	Brass
PLUG Ø [MM]	9-34	12-29	24	12.9
NUMBER OF CONTACTS	1 to 55	2 to 42	1 to 4 fibers / Hybrid 2+2	4 to 24
CONTACTTYPE	Low voltage / High voltage / Coax / Triax	Low voltage	Fiber optic / Low voltage	Low voltage
TEST VOLTAGE DC [kV]	Up to 50	Up to 2.5	Up to 2.8	Up to 1.5
CURRENT RATING [A]	Up to 60	Up to 9.2	Up to 10	Up to 5.0
CONTACT TERMINATION	Crimp / Solder / PCB	Crimp / Solder / PCB	Solder	Solder / PCB
SEALING LEVEL	IP 68/69 / Hermetic	IP 68/69 / Hermetic	IP 67/68	IP68
MATING CYCLES	10,000	10,000	1,000	5,000

OHSAS 18001

ISO 14001

ISO 9001

NUCLEAR
KTA 1401 - IAEA 50-C-Q

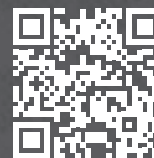
REACH

ROHS
compliant

SONY
green partner



HEADQUARTERS
Chemin du Glapin 20
1162 Saint-Prex - Switzerland
fischerconnectors.com



Check out our
Defense & Security
Solutions video