



DEFENSE & SECURITY CONNECTIVITY SOLUTIONS



Part of Conexivity Group



DESIGNING AND MANUFACTURING MILITARY
CONNECTORS AND CABLE ASSEMBLY SOLUTIONS
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 assembly solutions 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 setup
- Customizable
- Multiple mission configurations
- Fully cleanable

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

KEY INTERCONNECT FEATURES



ACTIVE
SOLUTIONS



RUGGED



SEALED



ULTRAFAST DATA
TRANSFER



COMPACT &
LIGHTWEIGHT

C4ISTAR

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 & ON-BODY 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 setup 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

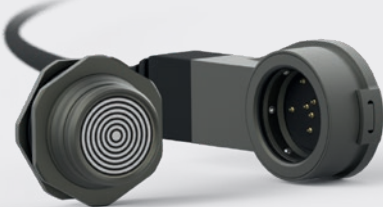
Extremely compact and dense

PRODUCT HIGHLIGHTS*



FISCHER FREEDOM™ SERIES

Breakthrough plug & use connectivity with easy mating, easy cleaning, easy integration



FISCHER MINIMAX™ SERIES

High density, signal and power in one miniature connector



FISCHER ULTIMATE™ 80

Field-ready connectivity in harsh environment



* 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



ACTIVE
SOLUTIONS



RUGGED



SEALED



ULTRAFAST 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 ¹⁾



FISCHER RUGGED FLASH DRIVE

Safe storage & transportation of sensitive data in harsh environments

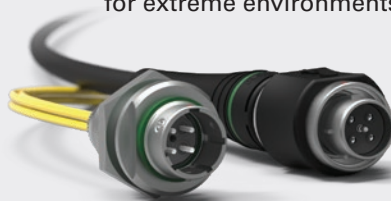


TESTED AT
2m/24h²⁾



FISCHER FIBEROPTIC SERIES

Robust optical performance for extreme environments



FISCHER ULTIMATE™ SERIES

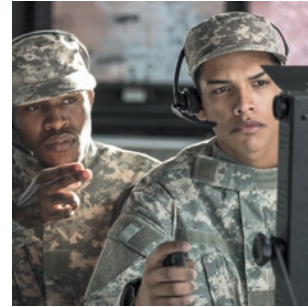
Rugged, compact and lightweight for durable reliability



¹⁾ More solutions available with our other product lines – see last page or contact us.

²⁾ 20m/24h application dependent

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



ACTIVE
SOLUTIONS



RUGGED



SEALED



ULTRAFAST 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, vibration, 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 ¹⁾



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 & transportation of sensitive data in harsh environments

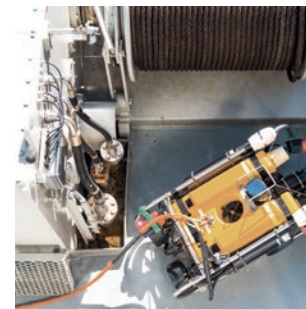


TESTED AT
2m/24h²⁾

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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



ACTIVE
SOLUTIONS



RUGGED



SEALED



ULTRAFAST DATA
TRANSFER

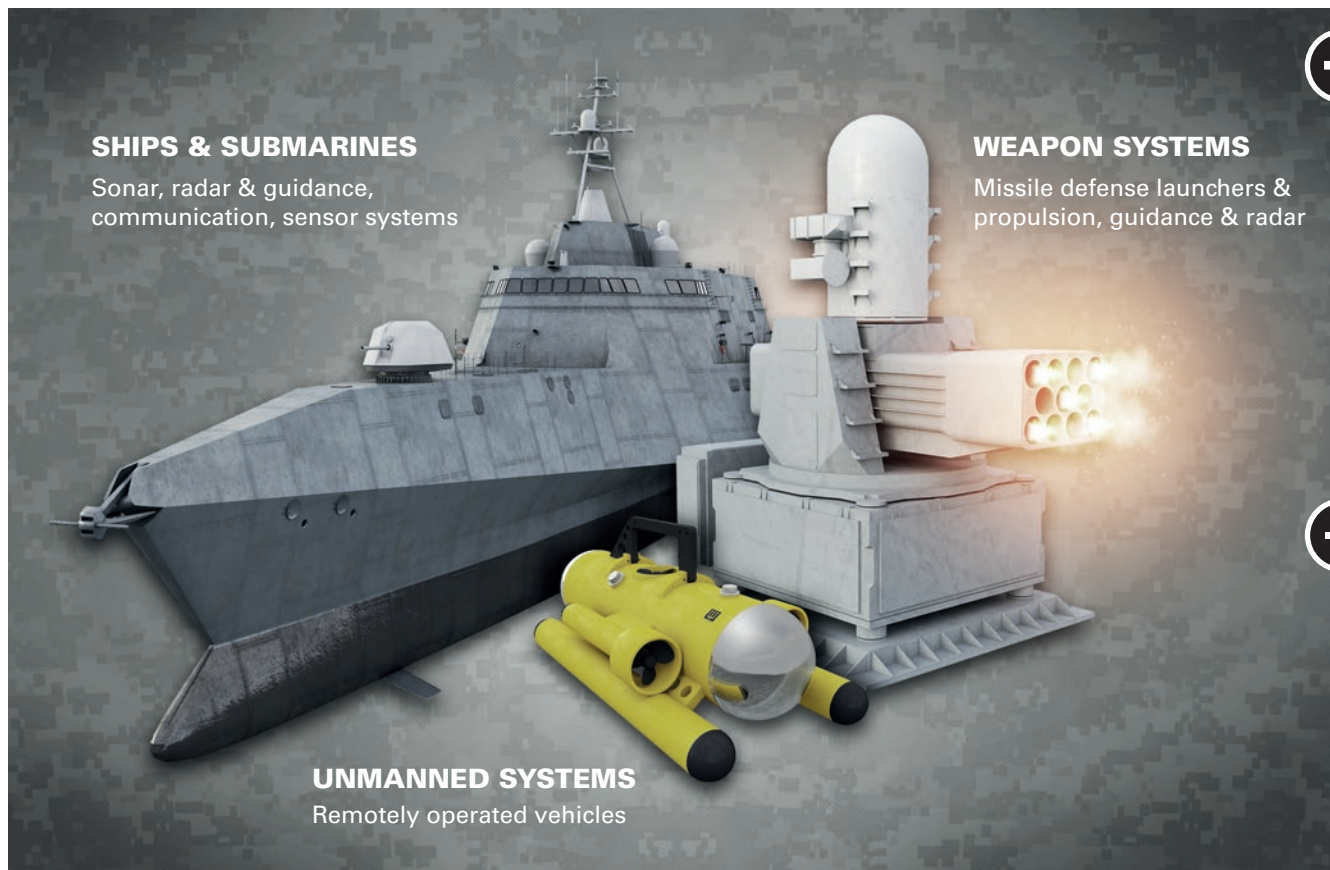


COMPACT &
LIGHTWEIGHT

TESTED
MIL&IEC

IP68 & IP69

CORROSION RESISTANCE
1000 h



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 ¹⁾



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 & transportation of sensitive data
in harsh environments



TESTED AT
2m/24h²⁾

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CONNECTORS FOR **DEFENSE & SECURITY**



CORE



**ANY SIZE
ANY CONFIGURATION
ANY APPLICATION**



ULTIMATE



**RUGGED
COMPACT
LIGHTWEIGHT**



FIBEROPTIC



**ROBUST
OPTICAL PERFORMANCE
EASY CLEANING**



MINIMAX



**HIGH-DENSITY MINIATURIZATION
HIGH-SPEED DATA TRANSFER
RELIABILITY**



FREEDOM



**EASY MATING
EASY CLEANING
EASY INTEGRATION**

	CORE	ULTIMATE	FIBEROPTIC	MINIMAX	FREEDOM
LOCKING	Push-pull Quick-release / Friction	Push-pull Quick-release	Push-pull	Push-pull Screw-locking Quick-release	Quick-release
SHELL MATERIAL	Brass / Aluminum	Brass / Aluminum	Brass	Brass	Brass/Plastic Stainless Steel 316L
PLUG Ø [MM]	9-34	12-29	13/24	9.9 - 12.9	20.4/25.4
NUMBER OF CONTACTS	1 to 55	2 to 42	1 to 4 fibers / Hybrid 2+2	4 to 24	4/7
CONTACT TYPE	Low voltage / High voltage	Low voltage	Fiber optic / High voltage	Low voltage	Low voltage
TEST VOLTAGE DC [kV]	Up to 50	Up to 3.7	Up to 2.8	Up to 2.4	Up to 1.2
CURRENT RATING [A]	Up to 60	Up to 26	Up to 10	Up to 10	Up to 5.0
SEALING LEVEL	IP68/69 / Hermetic	IP68/69 / Hermetic	IP67/IP68	IP68	Metal IP68/Plastic IP67
MATING CYCLES	10,000	10,000	1,000	5,000	Metal 10,000/Plastic 5,000

OHSAS 18001

ISO 14001

ISO 9001

NUCLEAR
KTA 1401 - IAEA 50-C-Q

REACH

ROHS
compliant

SONY
green partner



fischer[®]
CONNECTORS

HEADQUARTERS
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fischerconnectors.com