



# DEFENSE & SECURITY CONNECTIVITY SOLUTIONS



REIMAGINING CONNECTIVITY  
TOGETHER

**fischer**<sup>®</sup>  
CONNECTORS



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](https://military.fischerconnectors.com/#dismounted-soldier)

### KEY INTERCONNECT FEATURES



ACTIVE  
SOLUTIONS



RUGGED



SEALED



ULTRAFAST 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 & 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](https://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\*



### FISCHER RUGGED FLASH DRIVE

Safe storage & transportation 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](https://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\*



### 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



\* 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](https://military.fischerconnectors.com/#marine)

### KEY INTERCONNECT FEATURES



ACTIVE SOLUTIONS



RUGGED



SEALED



ULTRAFAST DATA TRANSFER

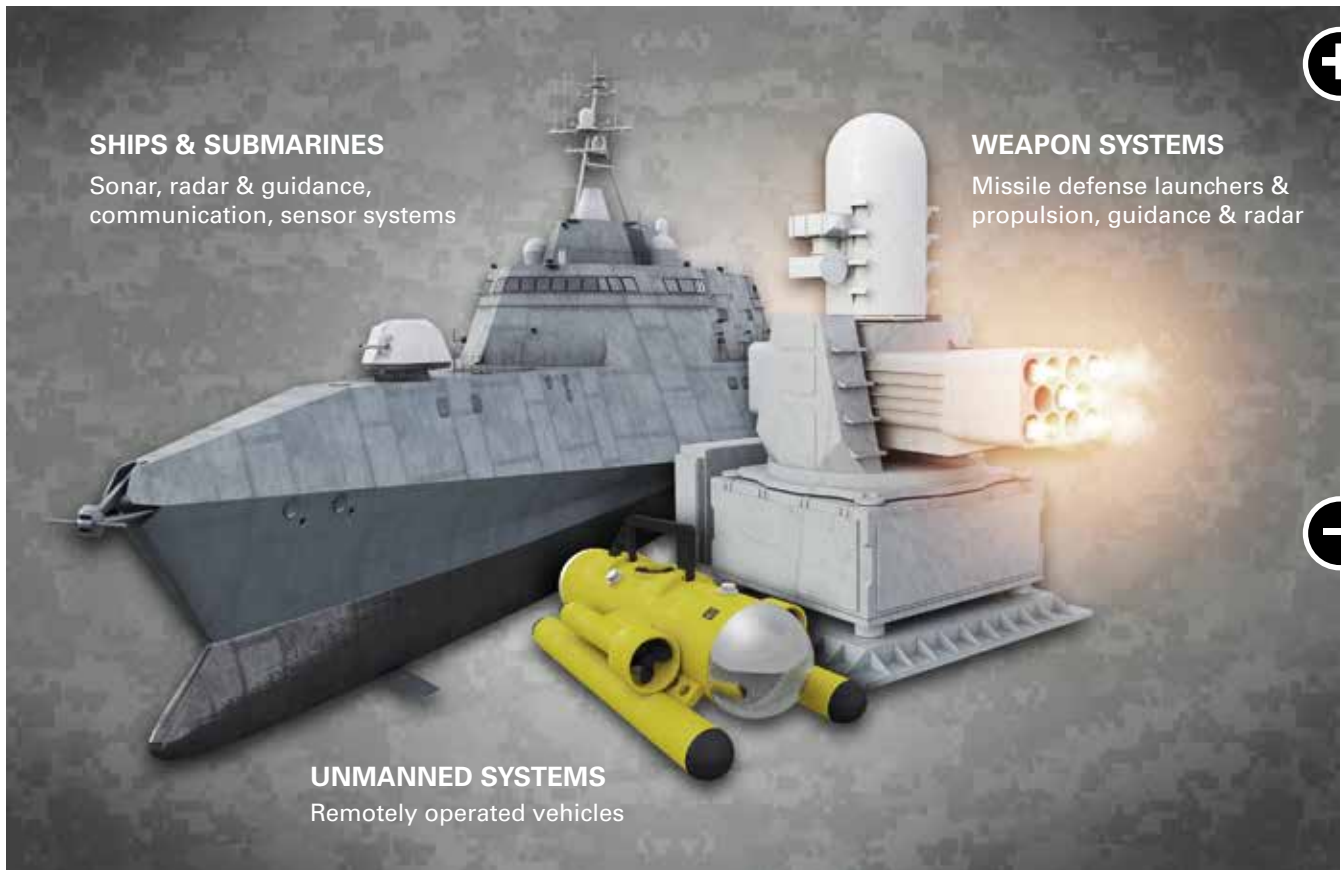


COMPACT & LIGHTWEIGHT

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 & transportation of sensitive data in harsh environments



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

# CONNECTORS FOR DEFENSE & SECURITY



**ANY SIZE**  
**ANY CONFIGURATION**  
**ANY APPLICATION**



**RUGGED**  
**COMPACT**  
**LIGHTWEIGHT**



**ROBUST**  
**OPTICAL PERFORMANCE**  
**EASY CLEANING**



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



**EASY MATING**  
**EASY CLEANING**  
**EASY INTEGRATION**

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

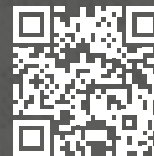
ROHS  
compliant

SONY  
green partner



**Fischer**<sup>®</sup>  
CONNECTORS

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Check out our  
Defense & Security  
Solutions video

