

**fischer**<sup>®</sup>  
CONNECTORS



**MEDICAL**  
**CONNECTIVITY SOLUTIONS**



REIMAGINING CONNECTIVITY  
TOGETHER



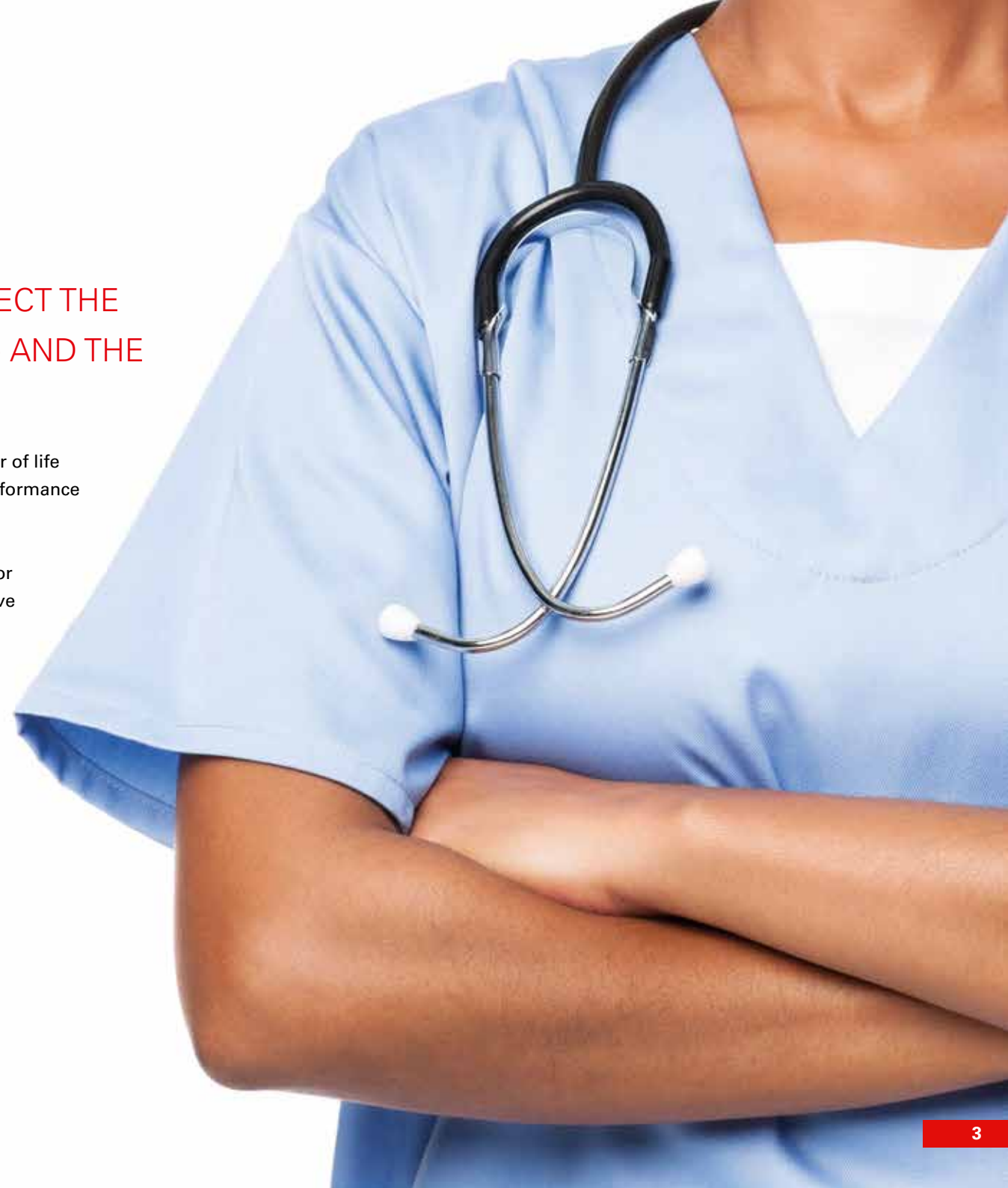
DESIGNING AND MANUFACTURING MEDICAL  
CONNECTORS AND CABLE ASSEMBLIES  
**FOR MORE THAN 60 YEARS**

## CONNECTIVITY SOLUTIONS TO PROTECT THE FUNCTIONALITY OF YOUR DEVICES – AND THE LIVES THAT DEPEND ON THEM

When it comes to patient care, device functionality can be a matter of life and death. Fischer Connectors helps you deliver reliable, high-performance electronic devices that improve and save patients' lives.

Our fully customizable connectors and cable assemblies are ideal for demanding medical and dental environments. With a comprehensive range of connectivity solutions – including miniature, sterilizable, reusable, hybrid, disposable and silicone-coated options –, your devices will meet even the strictest requirements, without compromising on design.

As your partner in connectivity, we'll help you reduce risk, comply to FDA standards and develop safe, sleek devices that improve patient lives and outcomes.



# DIAGNOSTIC & IMAGING SOLUTIONS



## RELIABLE CONNECTIVITY THAT KEEPS PATIENTS SAFE

Dependable, high-speed connectivity solutions for accurate imaging and diagnostics, every time

- HDMI & USB 3.0
- Ergonomic & easy to handle
- EMI/RFI shielding
- High-density, miniature solutions
- Watertight (IP68/IP69) & hermetic

Check out the video online: [medical.fischerconnectors.com/#diagnostic-and-imaging](https://medical.fischerconnectors.com/#diagnostic-and-imaging)

### KEY INTERCONNECT FEATURES



ULTRAFAST



POWER



RELIABLE



COMPACT &  
LIGHTWEIGHT



SEALED



RUGGED

USB 3.0  
& 10 Gb/s

IP68 & IP69

Up to **10,000**  
mating cycles

EMI/RFI  
shielding

ELECTROENCEPHALOGRAPHY (EEG)



MRI & CT SCANNERS

MEDICAL ULTRASOUND



## MAXIMIZE

### VALUE

Up to 10,000 mating cycles, corrosion resistance, durable materials

### SAFETY

Easy to handle and configure with gloves, multiple safe locking systems, color coding

### SPEED & ACCURACY

Ultra-fast data transfer with USB 3.0 and HDMI or over fiber



## MINIMIZE

### RISK

Sterilizable, sealed, hermetic and non-magnetic

### SPACE & WEIGHT

Compact, lightweight, ultra-dense

### PRODUCT HIGHLIGHTS\*



#### FISCHER CORE SERIES BRASS

Highly configurable push-pull connectors



#### FISCHER MINIMAX™ SERIES

High density, signal and power in one miniature connector



#### FISCHER CORE SERIES PLASTIC

Sterilizable, corrosion-resistant plastic connectors



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

# INTERVENTIONAL & SURGICAL SOLUTIONS



## HIGH-PERFORMANCE CONNECTIVITY, WHEN PRECISION MATTERS MOST

Durable connectivity solutions adapted to demanding medical and dental environments

- High pin density, up to 10 Gb/s data speed
- Color coding, good grip & easy mating
- Lightweight & compact
- Watertight (IP68/IP69) & hermetic
- Sterilizable & thermo-resistant

Check out the video online: [medical.fischerconnectors.com/#interventional-and-surgical](https://medical.fischerconnectors.com/#interventional-and-surgical)

### KEY INTERCONNECT FEATURES



ULTRAFAST



EASY TO USE



RELIABLE



COMPACT &  
LIGHTWEIGHT



SEALED



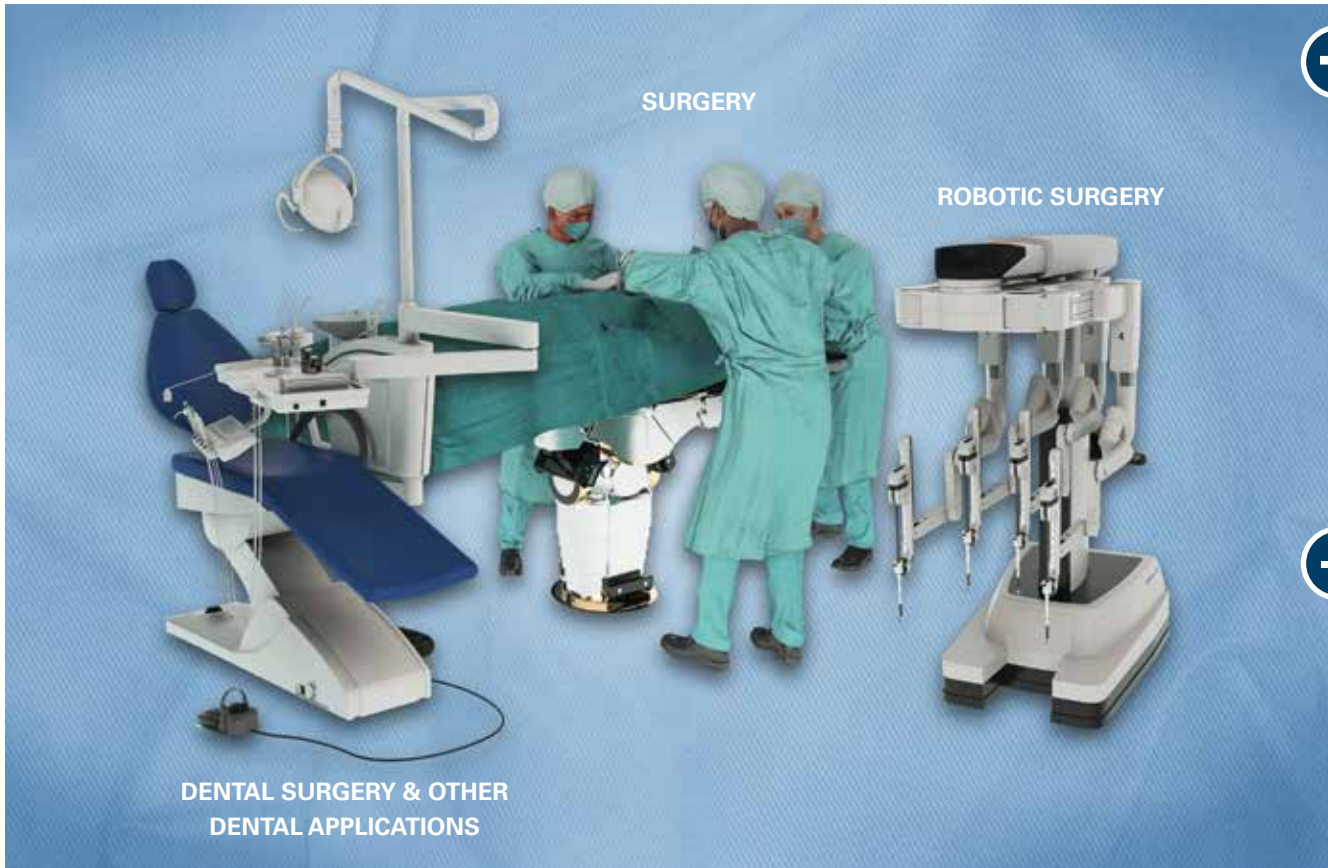
RUGGED

Color coding

Up to IP68

Up to **10,000**  
mating cycles

Silicone  
overmold



## MAXIMIZE

### SAFETY

Color coding, various locking systems, easy grip with quality tactile feel

### QUALITY

Sterilizable, chemical and thermal resistance, right-angled and silicone overmolds

### PRECISION

Highly configurable and customizable, easy to handle, high-speed data transfer



## MINIMIZE

### RISK

IP68/IP69, decontamination compatible

### SPACE & WEIGHT

Compact and lightweight materials for maximum agility

### PRODUCT HIGHLIGHTS\*



#### FISCHER CORE SERIES **DISPOSABLE**

Cost-effective, durable connectors with quality tactile feel



#### FISCHER CORE **STAINLESS STEEL**

Ultra-resistant, sterilizable & easy to handle



#### FISCHER CORE SERIES **PLASTIC**

Sterilizable, corrosion-resistant plastic connectors



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

# MONITORING & THERAPEUTIC SOLUTIONS



## EASY-TO-USE CONNECTIVITY TO FIT EVERY DESIGN

Accurate and agile connectivity solutions for vital patient information and critical care

- Reliable, high-speed data transfer
- Easy integration & use, even with gloves
- Ultra-dense & miniature
- Watertight (up to IP69) & hermetic
- Up to 10,000 mating cycles

Check out the video online: [medical.fischerconnectors.com/#monitoring-and-therapeutic](https://medical.fischerconnectors.com/#monitoring-and-therapeutic)

### KEY INTERCONNECT FEATURES



WEARABILITY



ULTRAFAST



EASY TO USE



COMPACT &  
LIGHTWEIGHT



SEALED



RUGGED

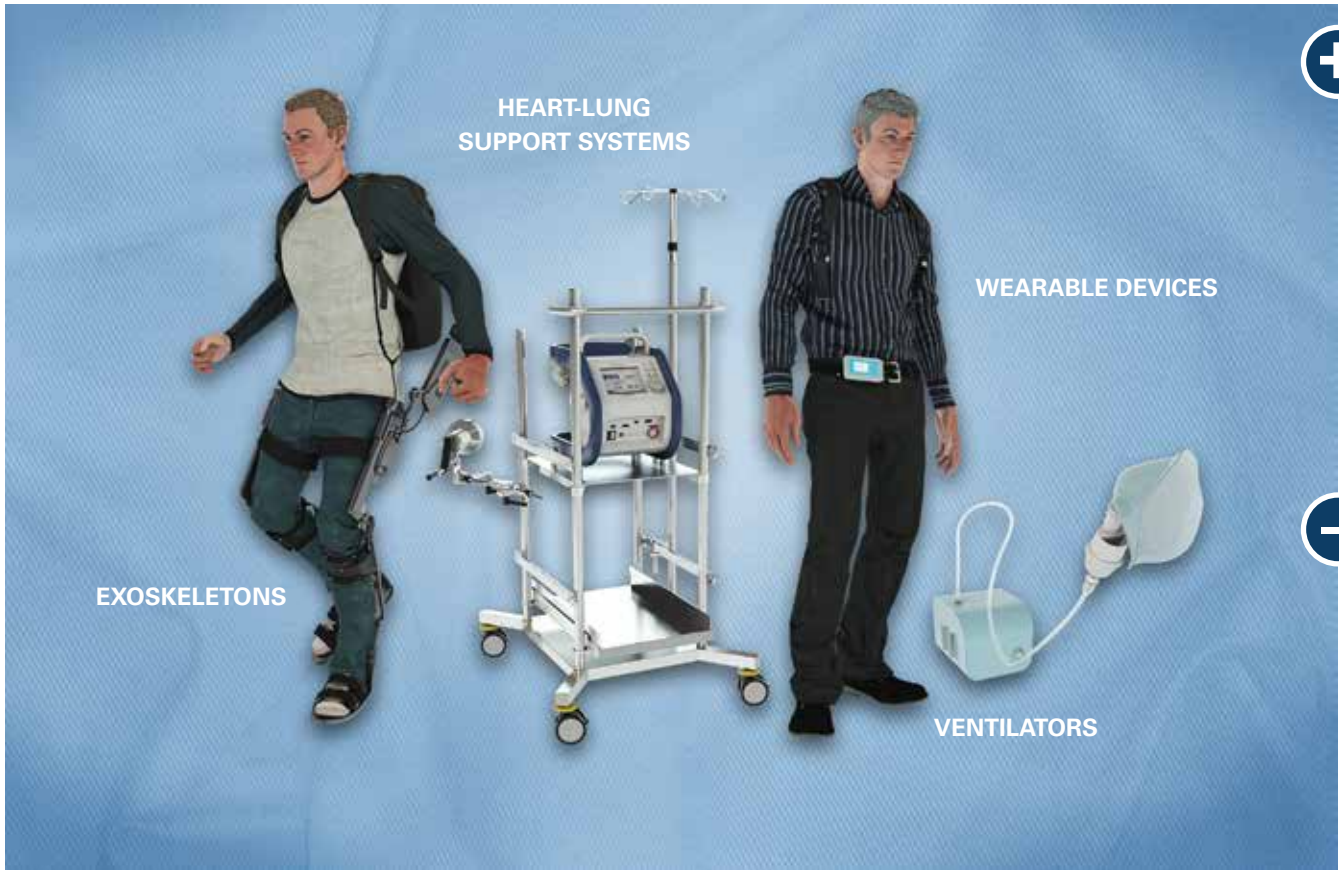
Up to **10,000**  
mating cycles

**USB 3.0**  
& **10 Gb/s**

**IP68 & IP69**

**EMI/RFI**  
shielding





## MAXIMIZE

### SAFETY

Highly configurable, various locking systems, right-angled overmolds, fully cleanable

### MOBILITY

Compact, lightweight, 360° mating, easy integration and use

### RESPONSIVENESS

Ultra-fast data transfer with USB 3.0 or HDMI



## MINIMIZE

### RISK

Sterilizable, non-magnetic and IP68 mated/unmated

### SPACE & WEIGHT

Compact, lightweight materials without compromising quality

### PRODUCT HIGHLIGHTS\*



#### FISCHER MINIMAX™ SERIES

High density, signal and power in one miniature connector



#### FISCHER FREEDOM™ SERIES

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



#### FISCHER CORE SERIES BRASS

Highly configurable push-pull connectors



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

# CABLE ASSEMBLIES SOLUTIONS



STREAMLINE YOUR SUPPLY CHAIN WHILE  
REALIZING SIGNIFICANT TIME AND COST  
SAVINGS WITH FISCHER CONNECTORS

**Our complete cable assembly solutions include:**

- Overmolded cable assemblies, including thermoplastic & silicone
- Wiring harness assemblies
- Rugged & submersible cable solutions
- Heat shrinking for added protection and support to exposed wire
- Potting to allow submersion
- Fiber optic termination
- Low-cost and disposable options
- Third-party connector integration
- Pigtails
- Right-angled overmolds

**Contact us for cable assemblies solutions:** [mail@fischerconnectors.ch](mailto:mail@fischerconnectors.ch)



RUGGED



SEALED



COMPACT & LIGHTWEIGHT



ULTRAFAST



# CUSTOM SOLUTIONS

## SOLVING UNIQUE CHALLENGES WITH DISTINCTIVE REQUIREMENTS AND DEMAND

**From initial concept through prototyping, testing, manufacturing and installation, we work closely with your development team to find the right solution that perfectly suits your specific needs.**

With broad experience spanning a spectrum of industries and specialized situations, our professionals have developed custom connector and cable assembly solutions for a variety of projects, including disposable designs for medical equipment applications, miniature connectors for harsh environments, mission-critical connectors for the military, and rugged designs for extreme sports.

Look to Fischer Connectors, a worldwide leader in designing, manufacturing and distributing high-performance connectivity solutions.

**Contact us for custom solutions:** [mail@fischerconnectors.ch](mailto:mail@fischerconnectors.ch)





# CONNECTORS FOR **MEDICAL APPLICATIONS**



**CORE**

**ANY SIZE  
ANY CONFIGURATION  
ANY APPLICATION**



**PLASTIC**

**EASY TO USE  
DURABLE  
LIGHTWEIGHT**



**DISPOSABLE**

**COST-EFFECTIVE  
EASY TO USE  
MODULAR**



**MINIMAX SERIES**

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

<b>LOCKING</b>	Push-pull Quick-release Friction	Push-pull Quick-release	Friction	Push-pull Screw-locking Quick-release
<b>STERILIZATION / MATERIAL</b>	Autoclave, EtO, Cidex, gamma radiation, Steris®, Sterrad®	Autoclave, EtO, Cidex, gamma radiation, Steris®, Sterrad®	EtO, Gamma	Brass / PEEK <i>ongoing test</i>
<b>PLUG Ø [MM]</b>	9-34	18.5 / 14.5	17.8 / 15.8	12.9
<b>NUMBER OF CONTACTS</b>	1 to 55	2 to 27	6 to 19	4 to 24
<b>CONTACT TYPE</b>	Low voltage / High voltage Coax / Triax / Hybrid	Low voltage	Low voltage	Low voltage
<b>TEST VOLTAGE DC [kV]</b>	Up to 50	Up to 3.0	Up to 2.6	Up to 2.4
<b>CURRENT RATING [A]</b>	Up to 60	Up to 30	Up to 3.0	Up to 5.0
<b>CONTACT TERMINATION</b>	Crimp / Solder / PCB	Crimp / Solder / PCB	Crimp / Solder / PCB	Solder / PCB
<b>SEALING LEVEL</b>	IP 68/69	IP67 / IP68	IP30-IP40	IP68
<b>MATING CYCLES</b>	10,000	5,000	10	5,000

**OHSAS 18001**

**ISO 14001**

**ISO 13485**

**ISO 9001**

**REACH**

**ROHS  
compliant**



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[www.fischerconnectors.com](http://www.fischerconnectors.com)



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Medical Connectivity  
Solutions video

REIMAGINING CONNECTIVITY  
**TOGETHER**