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.
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
ELECTROENCEPHALOGRAPHY (EEG)

MRI & CT SCANNERS

MEDICAL ULTRASOUND

**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

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**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

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**MINIMIZE**

**RISK**
Sterilizable, sealed, hermetic and non-magnetic

**SPACE & WEIGHT**
Compact, lightweight, ultra-dense

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* 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
- Watertight (IP68/IP69) & hermetic
- Color coding, good grip & easy mating
- Sterilizable & thermo-resistant
- Lightweight & compact
- Light weight & compact
- Color coding
- Up to IP68
- Up to 10,000 mating cycles
- Silicone overmold

Check out the video online: medical.fischerconnectors.com/#interventional-and-surgical
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
- Watertight (up to IP69) & hermetic
- Easy integration & use, even with gloves
- Up to 10,000 mating cycles
- Ultra-dense & miniature

Check out the video online: medical.fischerconnectors.com/#monitoring-and-therapeutic

KEY INTERCONNECT FEATURES

WEARABILITY  ULTRAFAST  EASY TO USE  COMPACT & LIGHTWEIGHT  SEALED  RUGGED

USB 3.0 & 10 Gb/s  IP68 & IP69  EMI/RFI shielding

Up to 10,000 mating cycles
## PRODUCT HIGHLIGHTS*

<table>
<thead>
<tr>
<th>MAXIMIZE</th>
<th>MINIMIZE</th>
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<tr>
<td><strong>SAFETY</strong>&lt;br&gt;Highly configurable, various locking systems, right-angled overmolds, fully cleanable</td>
<td><strong>RISK</strong>&lt;br&gt;Sterilizable, non-magnetic and IP68 mated/unmated</td>
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<tr>
<td><strong>MOBILITY</strong>&lt;br&gt;Compact, lightweight, 360° mating, easy integration and use</td>
<td><strong>SPACE &amp; WEIGHT</strong>&lt;br&gt;Compact, lightweight materials without compromising quality</td>
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<tr>
<td><strong>RESPONSIVENESS</strong>&lt;br&gt;Ultra-fast data transfer with USB 3.0 or HDMI</td>
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### 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

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* 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
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
### 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

### Locking
- Push-pull
- Quick-release
- Friction

### Sterilization / Material
- Autoclave, EtO, Cidex, gamma radiation, Steris®, Sterrad®
- EtO, Gamma
- Brass / PEEK

### Plug Ø [mm]
- 9-34
- 18.5 / 14.5
- 17.8 / 15.8
- 12.9

### Number of Contacts
- 1 to 55
- 2 to 27
- 6 to 19
- 4 to 24

### Contact Type
- Low voltage / High voltage
- Coax / Triax / Hybrid
- Low voltage
- Low voltage
- Low voltage

### Test Voltage DC [kV]
- Up to 50
- Up to 3.0
- Up to 2.6
- Up to 2.4

### Current Rating [A]
- Up to 60
- Up to 30
- Up to 3.0
- Up to 5.0

### Contact Termination
- Crimp / Solder / PCB
- Crimp / Solder / PCB
- Crimp / Solder / PCB
- Solder / PCB

### Sealing Level
- IP 68/69
- IP 67 / IP 68
- IP 30-IP 40
- IP 68

### Mating Cycles
- 10,000
- 5,000
- 10
- 5,000

### Compliance
- OHSAS 18001
- ISO 14001
- ISO 13485
- ISO 9001

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Check out our Medical Connectivity Solutions video

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