



MEDICAL CONNECTIVITY SOLUTIONS



REIMAGINING CONNECTIVITY
TOGETHER



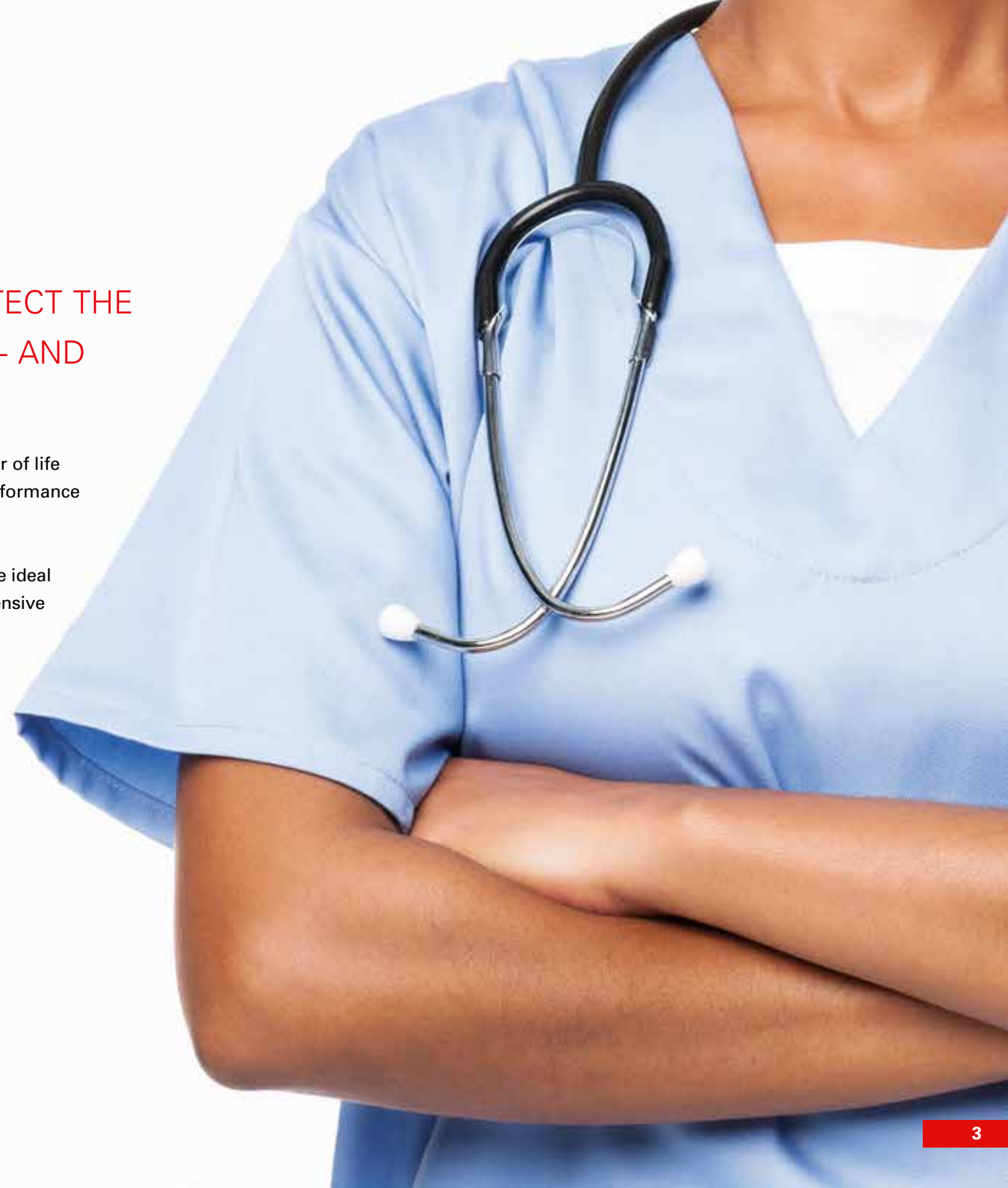
DESIGNING AND MANUFACTURING MEDICAL
CONNECTORS AND CABLE ASSEMBLY SOLUTIONS
FOR MORE THAN 60 YEARS

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 assembly solutions 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

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
- Watertight (IP68/IP69) & hermetic
- Color coding, good grip & easy mating
- Sterilizable & thermo-resistant
- Lightweight & compact

Check out the video online: medical.fischerconnectors.com/#interventional-and-surgical

KEY INTERCONNECT FEATURES



ULTRAFAST



EASY TO USE



RELIABLE



COMPACT &
LIGHTWEIGHT



SEALED



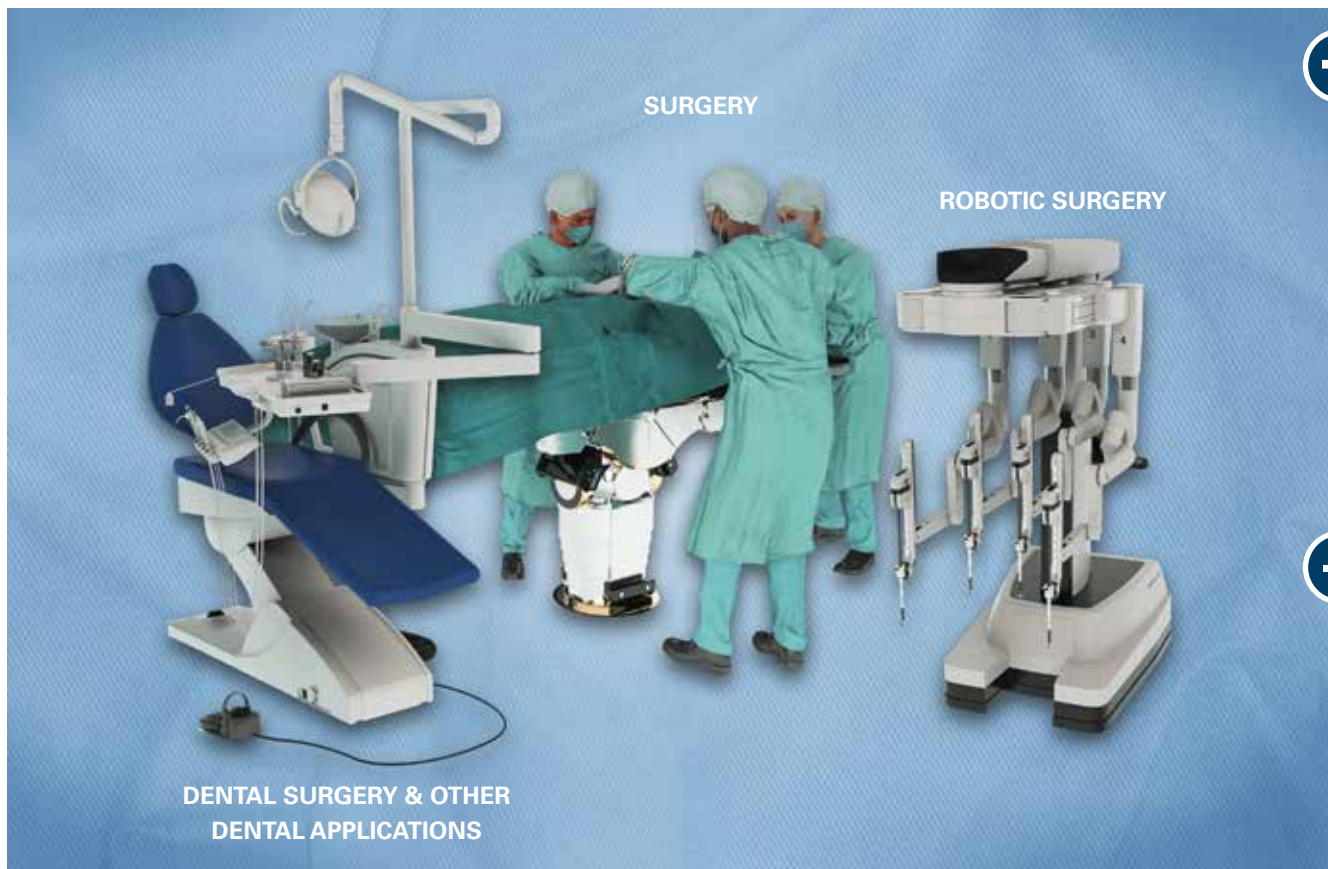
RUGGED

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



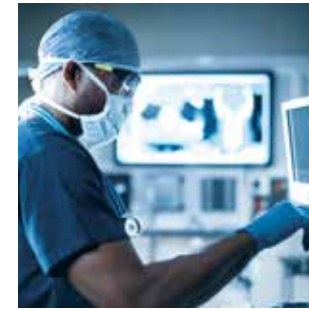
FISCHER CORE SERIES **PLASTIC**

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

KEY INTERCONNECT FEATURES



WEARABILITY



ULTRAFAST



EASY TO USE



COMPACT &
LIGHTWEIGHT



SEALED



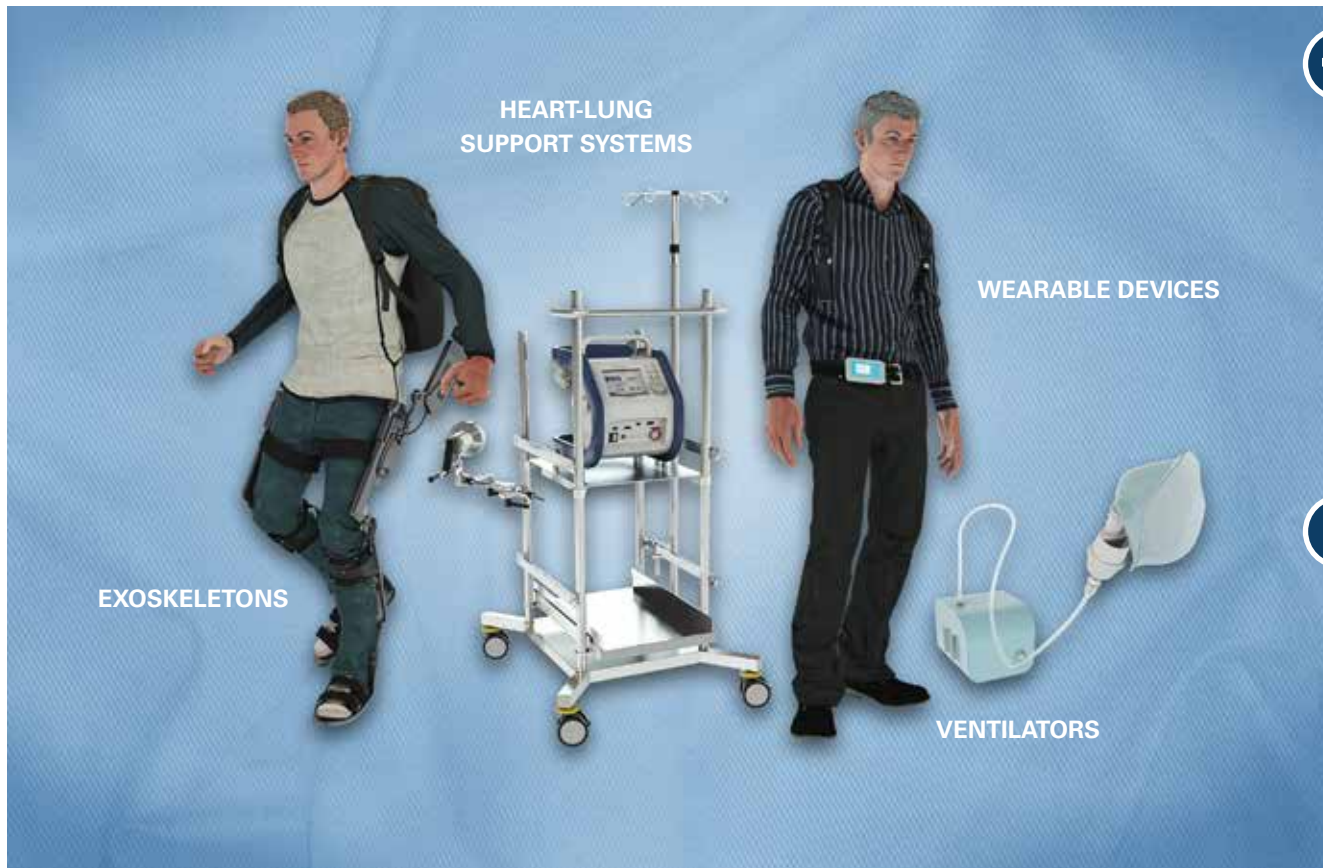
RUGGED

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 ASSEMBLY 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 assembly solutions: 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 assembled 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



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



FREEDOM



**EASY MATING
EASY CLEANING
EASY INTEGRATION**

LOCKING	Push-pull Quick-release Friction	Push-pull Quick-release	Friction	Push-pull Screw-locking Quick-release	Quick-release
SHELL MATERIAL	Autoclave, EtO, Cidex, gamma radiation, Steris®, Sterrad®	Autoclave, EtO, Cidex, gamma radiation, Steris®, Sterrad®	EtO, Gamma	Brass	Brass / Plastic Stainless Steel 316L
PLUG Ø [MM]	9 - 34	14.5/18.5	15.8 /17.8	9.9 - 12.9	20.4 / 25.4
NUMBER OF CONTACTS	1 to 55	2 to 27	6 to 19	4 to 24	4 / 7
CONTACT TYPE	Low voltage / High voltage Coax / Triax / Hybrid	Low voltage Hybrid	Low voltage	Low voltage	Low voltage
TEST VOLTAGE DC [kV]	Up to 50	Up to 4	Up to 2.7	Up to 2.4	Up to 1.2
CURRENT RATING [A]	Up to 60	Up to 30	Up to 3.0	Up to 10	Up to 5.0
SEALING LEVEL	IP68 / IP69	IP67 / IP68	IP30 - IP40	IP68	Metal IP68/Plastic IP67
MATING CYCLES	10,000	5,000	10	5,000	Metal 10,000/Plastic 5,000

ISO 45001

ISO 14001

ISO 13485

ISO 9001

REACH

ROHS
compliant

fischer[®]
CONNECTORS

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



Check out our
Medical Connectivity
Solutions video

