MEDICAL
CONNECTIVITY SOLUTIONS

FISCHER CONNECTORS®

Part of Conextivity Group

Fischer®

CONNECTORS

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*

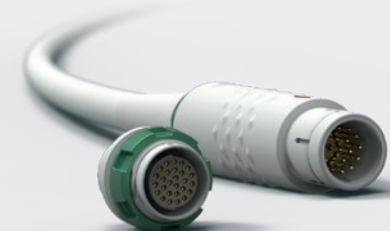**FISCHER CORE SERIES BRASS**
Highly configurable push-pull connectors

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
- 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

--- KEY INTERCONNECT FEATURES ---

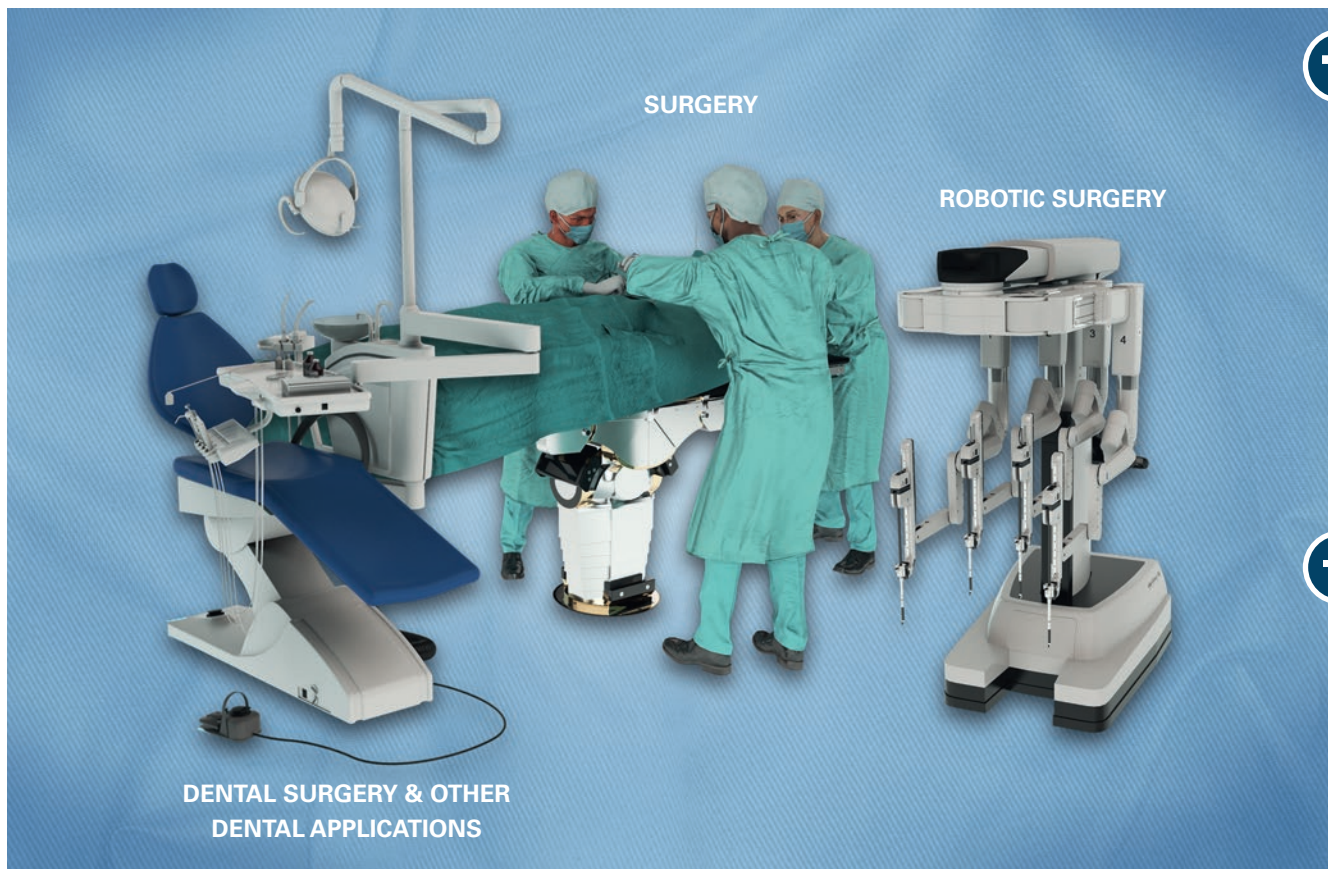| ULTRAFAST	EASY TO USE	RELIABLE	COMPACT & LIGHTWEIGHT	SEALED	RUGGED

Color coding — Up to IP68 — Up to 10,000 mating cycles — Silicone overmold

SURGERY

ROBOTIC SURGERY

DENTAL SURGERY & OTHER
DENTAL APPLICATIONS

⊕ 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
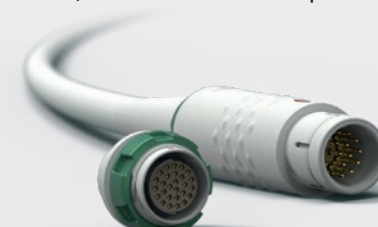Cost-effective, durable connectors
with quality tactile feel

FISCHER CORE STAINLESS STEEL
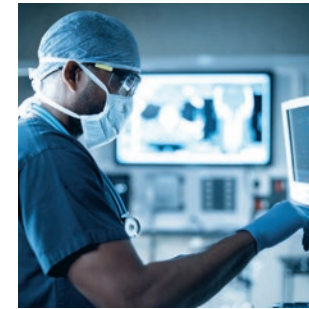Ultra-resistant, sterilizable & easy to handle

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**

HEART-LUNG
SUPPORT SYSTEMS

WEARABLE DEVICES

EXOSKELETONS

VENTILATORS

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

INNOVATION AWARDS WINNER

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	**PLASTIC**	**DISPOSABLE**	**MINIMAX**	**FREEDOM**
	ANY SIZE ANY CONFIGURATION ANY APPLICATION	EASY TO USE DURABLE LIGHTWEIGHT	COST-EFFECTIVE EASY TO USE MODULAR	HIGH-DENSITY MINIATURIZATION HIGH-SPEED DATA TRANSFER RELIABILITY	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
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fischerconnectors.com

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