

Amphenol Medical



Precision-engineered modular connectivity solutions for vital medical devices and advanced healthcare systems.

Market Challenges



Affordable products optimized for key performance specifications.

- Insertion Loss
- Alignment
- Beam Uniformity
- Optimized beam launch conditions
- Fiber Damage Prevention
- Thermal Performance



Quality and Reliability

- Secure Connections Each Time
- Ease of interlocking
- Prevention of finish Discoloration
- Products tested at the medical wavelength bands



Manufacturing

- Manufacturing
- Ease of assembly
- Assembly Time Reduction
- Low Cost of Manufacturing



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Medical Sector Solutions Portfolio

Amphenol

1

SMA Connectors

High-precision Connectors for Medical Equipment

- ✓ High-precision, threaded connectors for secure connections in medical devices.
- ✓ Compatible with imaging and diagnostic equipment, supporting single-mode and multi-mode fibers.
- ✓ Ensures low signal loss, reliable data transmission, and superior durability.
- ✓ Available in various configurations for flexible integration in medical setups.



2

ST Connectors

Quick-connect Fiber Solutions for Medical Applications

- ✓ Quick-connect, bayonet-style locking design for rapid setup in medical applications.
- ✓ Reliable, secure fiber connections ideal for laboratory and diagnostic settings.
- ✓ Easy-to-use, field-installable connectors compatible with medical-grade networks and instrumentation.
- ✓ Supports single-mode and multi-mode fibers with low insertion loss.



3

FC Connectors

Robust Fiber Optic Connectors for Critical Medical Systems

- ✓ High-performance, screw-on connectors for precise medical fiber connections.
- ✓ Ideal for endoscopy, laser systems, and sensitive applications.
- ✓ Quick setup with plug-in or in-line receptacles, supporting single-mode and multi-mode fibers.
- ✓ Durable design for both indoor and outdoor medical environments.



4

Adapters

Versatile Fiber Optic Adapters for Enhanced Medical Connectivity

- ✓ High-quality adapters to expand medical equipment connectivity.
- ✓ Enables seamless connections between various fiber optic components.
- ✓ Compatible with multiple connector types (SMA, ST, FC) and custom configurations.
- ✓ Durable design for reliable performance in critical medical environments.



5

Custom Cable Assemblies

Tailored Fiber Optic Cables for Specialized Medical Needs

- ✓ Tailored cable assemblies for the unique needs of medical devices.
- ✓ High flexibility for optimal routing in compact spaces.
- ✓ Durable jacket options for high-bandwidth, low-interference applications.
- ✓ Custom lengths and connectors available to meet specific medical requirements.



6

RFID Solutions

Innovative Asset Tracking and Management for Medical Facilities

- ✓ Advanced RFID solutions for tracking and managing medical assets.
- ✓ Supports real-time inventory of critical equipment and devices.
- ✓ Enhances workflow efficiency with seamless IT integration.
- ✓ Custom configurations available for specific medical needs.



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FIBER OPTIC PRODUCTS

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