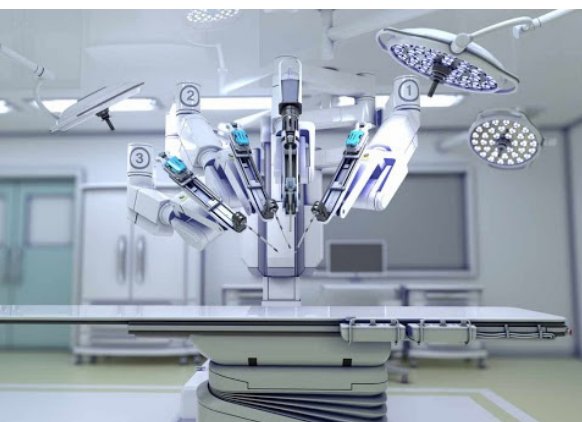


Surgical Robotics

Custom Cable and Connector Solutions



In a world that is becoming more and more technologically advanced, the medical industry must continue to innovate. While surgical robotics have been on the horizon for the past 20 years, advancements in the medical sector and an increased interest in minimally invasive procedures have resulted in new entrants to the market. Winchester Interconnect has the capabilities to assist with this demand and adhere to all requirements for surgical robotic interconnectivity.

Winchester is a vertically integrated ISO 13485 certified world-class leader in custom design, development, and deployment of medical cable assemblies and connectors. We offer quality solutions to ensure safety and precision for this complex medical equipment.

Medical Solutions

- Custom multi-conductor and hybrid cable design and manufacturing
- Custom connector design and manufacturing (plastic and metal)
- Highly flexible, EMI/RFI shielded, and low loss coaxial cable and connectors
- High power RF cables for use on imaging equipment
- Disposable or reusable cable offerings
- Sealed connector design for moisture protection
- Strain relief and kink-free designs
- Biocompatible solutions

Winchester Advantages

- Compatibility to withstand high sterilization, autoclavable environments
- Power and frequency ranges of 50kW to 350W and DC – 18 GHz
- Customizations that enable flexibility, high-reliability, and performance
- Upwards of 20+ million flex cycles
- Environmental and aesthetic application-specific overmolded cable assemblies
- Quick mate and disconnect cable assembly and connector features
- Cutting-edge lightweight and ergonomic designs
- Low loss and signal capabilities from plastic to spring-loaded, or micro/nano connectors

Certification	Description
ISO 13485	Medical Device Quality Management System
ISO 9001	Quality Management Systems
IPC/WHMA-A-620 (Class 3)	Requirements and Acceptance Standards for Cable and Wire Harness Assemblies
AS 9100	Aerospace Quality Management System
OHSAS 18001	Occupational Health and Safety
ISO 14001	Environmental Management System

Winchester supports Class III medical devices and complies with FDA 21 CFR Part 820