



Cicoil Flexx-Sil™ flat cable provides numerous benefits in medical applications:

Performance

- Cables last tens of millions of cycles in flexing applications, resulting in long life, superior durability and consistent reliability
- Resistant to water, steam (Autoclave), harsh disinfectants, radiation and extreme temperatures
- Class 1 Clean Room Design and contains no contaminants, extractables, leachables, latex or talc
- Eliminate costly cable tracks noise and particulates
- Conductors as small as 44 AWG allow miniature flat cables for micro-machinery and miniature electronic applications

Quality

- ISO 9001 / AS9100 Quality System, all cable assemblies are 100% electrically tested before shipment, ensuring optimum performance
- Cicoil cables are manufactured according to GMP's, IPC and J-Standards
- Each step of our manufacturing process is documented, follows approved and controlled procedures and offers product material certification/first articles
- Full Lot Traceability

Versatility

- Extreme flexibility reduces the space needed for cabling, thereby reducing equipment size
- Flexx-Sil™ jacketing is approved for most medical applications, and medical grade cables for human implant use are also available
- Combine conductors, controlled impedance pairs, tubing, fiber optics, miniature coaxes, Cat 5e, EMI/RFI shielding and strength members in the same cable, simplifying design and packaging.

Applications

Cicoil Flexx-Sil™ Flat Cable and Cable Assemblies are used in a wide variety of medical applications, including

- Automated Medical Equipment
- Imaging/Diagnostic/Treatment Systems
- Medical Robotics
- Patient & Fetal Monitoring
- EKG & EEG
- Ultrasound Probes
- Defibrillators
- X-ray
- MRI
- Cat Scans
- Surgical Lasers
- Insulin Pumps
- Immunoassay
- Respiratory Management Systems
- Sleep Therapy Devices
- Pharmaceutical Processing Equipment
- Bronchoscopy Devices
- Catheters & Endoscopes
- Oncology Care
- Breather Tubes
- Laparoscopy Devices
- Diagnostic & Imaging Systems
- Oximetry
- Saliva Extraction Tubes
- Hearing Aids
- Pace Makers
- Medical Implant
- and various Medical Devices.