CICOIL®
Flexible Flat Cables

Military/Aerospace

Cicoil has thousands of cable assemblies operating in the most sophisticated missile, fighter aircraft, commercial aviation, and space applications. Cicoil's Flexx-Sil™ flat cable is ideal for mission-critical military and aerospace applications, and here's why:

Performance

- Perform Flawlessly in Temperatures from -65°C to +260°C
- Highly Flexible to withstand the G-Forces, vibration, shock and rigors of Supersonic flight
- Will last millions of cycles in the most demanding, constantly flexing and twisting applications
- Highly resistant to water, steam, radiation, ozone, UV rays, acid rain, fungus, flames, harsh weather and most chemicals
- Engineering experience and manufacturing knowledge in designing and manufacturing cable assemblies for the most extreme applications

Quality

- Approved by NASA for space flight, Cicoil cables exceed outgassing specifications for vacuum and space use
- AS9100 Certified Quality System meets all aerospace standards
- Assemblies manufactured to J-STD-001 and IPC/WHMA A-620 Standards

Versatility

- Cables: Dual Shielded, Servo, 50 Ohm Triax, High Voltage Power, RF, Controlled Impedance, Grounding Strip, IDC, Ethernet, Telemetry, USB, Umbilical, HDMI, FireWire and Hybrid Designs
- Unique flat cables allow for extremely compact, lightweight cable designs for weight-sensitive designs; Excellent replacement for Flex Circuits, Molded Flat Cables, Wire Harnesses, Round Cables and Woven Cables
- Custom cable assemblies, including complex assemblies with various connectors: Nano, Mil-DTL 38999, Micro-D, Lugs, Camera Link, Ethernet, USB, IDC, Hermetically Sealed, D-Sub
- Value Added: Over-Molding, Sealing Unsealed Connectors, Cable Branches, Custom Shape/Formed Cables, Wire Harnesses, Potting, Soldering, Custom Headers

Customers

Cicoil supplies cable assemblies to all major military/aerospace subcontractors. A partial list of military/aerospace customers/programs:

- Airbus
- Ametek
- Astronics
- Bell Textron
- Boeing
- Bombardier Learjet
- BAE Systems
- Collins Aerospace
- Elbit Systems
- FLIR
- General Atomics
- General Dynamics
- Honeywell
- Lockheed Martin
- L-3Harris
- Moog
- NASA
- Northrop Grumman
- Pratt & Whitney
- Rafael
- Raytheon Technologies
- Rockwell Collins
- Rolls-Royce
- SpaceX
- Triumph
- Ultra Electronics
- The International Space Station & Space Satellites
- Mercury, Gemini, Apollo, The Space Shuttle and Sky Lab Space Programs