



Cicoil has supplied thousands of compact cable assemblies for the most sophisticated Supersonic missile systems on the planet and continues today to offer unique assemblies for Hypersonic missiles. Cicoil's lightweight and space-saving Flexx-Sil™ jacketed flat cables are ideal where unparalleled performance is critical and cable failure is not an option.

Performance

- Cicoil's standard Flexx-Sil™ cable jacket performs flawlessly in temperatures from -104°C to $+260^{\circ}\text{C}$, and its capable of performing to $+380^{\circ}\text{C}$ for 30-45 minutes.
- Cicoil utilizes an exclusive process of encapsulating individual components in a shock absorbing jacket that renders them unaffected by repeated exposure to severe vibration, G-forces (10 k g's) and rigors of supersonic/hypersonic flight.
- Excellent resistance to Hydraulic Oils, Jet Fuels (JP-8, JP-9 and JP-10), grease, deicing fluid, ice, salt-water submersion, dust, humidity, fog, harsh weather, high altitudes, fungus, many corrosive chemicals and overall wear & tear.
- Highly flexible cables can be curved, formed or slit in various shapes to fit precisely in tight & weight-sensitive spaces.
- Flame Resistant to UL 94V-0, does not propagate fire or ignite, and is self-extinguishing.

Quality

- AS9100D / ISO9001:2015 certified quality system meets all Mil-Aero Standards
- Our Technicians are certified to IPC-J-STD-001, J-STD-001ES and IPC-620 Space Addendum
- ITAR compliant & LEAN manufacturing facility

Versatility

- Cables: Dual Shielded for added EMI protection, Servo, 50 Ohm Triax, High Voltage Power, RF, Controlled Impedance, Grounding Strip, Ethernet, IDC, Telemetry, USB, Umbilical, HDMI and Hybrid Designs
- Excellent replacement for Flex Circuits, Molded Flat Cables, Wire Harnesses, Round and Woven Cables
- Complex assemblies with various connectors: Nano, Solder Tab Nano, Mil-DTL 38999, Micro-D, Lugs, Ethernet, USB, D-Sub, Hermetically Sealed and custom engineered connector solutions
- Value Added: Over-Molding, Sealing Unsealed Connectors, Cable Branches, Potting, Soldering, PCB, Custom Headers

Customers

Cicoil supplies cables and assemblies for the following missile programs:

- AGM-62 Walleye
- AGM-78
- AIM-7 Sparrow
- AIM-9X
- Arrow 2
- CAT Anti-Torpedos
- COBRA
- COBRA 2000
- Condor
- EAPS
- Falcon
- HARM
- Hercules
- LGM-118 Peacekeeper MX
- Maverick
- Minuteman
- NLOS
- Penguin
- Poseidon
- RAM
- Roland
- RIM-2 Terrier
- RIM-24 Tartar
- RIM-66 Standard
- RIM-76 Standard
- Sergeant
- Spike LR
- SWINGFIRE
- Talos
- TOW