



Cicoil continues to support the latest in aviation technology with its reliable solutions for vertical-takeoff-and-landing aircraft. The all-weather flexibility, mechanical durability and ease of routing make Cicoil's Flexx-Sil™ jacketed power cables the ideal alternative to stiff wire, bus bar and bulky conductors in powering the eVTOL aircraft.

Performance

- Designed for high voltage applications, the power cables also perform flawlessly in temperatures from -104°C to +260°C.
- Standard design incorporates high-strength, ultra-flex tinned copper wire. Bare, silver-plated, nickel-plated copper, and even extra light aluminum wire, are offered by request.
- Cicoil's shock-absorbing jacket is impervious to the rigors of flight, severe vibration, G-forces (10 k g's) and exposure to deicing fluid, ice, salt-water, acid rain, sunlight, UV-light, ozone, humidity, harsh weather, fungus, corrosion, grease, dust, coarse sand, overall wear & tear, cracking, kinking, high altitudes, and many chemicals.
- Flame Resistant to UL 94V-0, does not propagate fire or ignite, and is self-extinguishing. LSZH Cable jacket passes FAA vertical burn test 14 CFR 25.853 and UL/CSA VW-1, FT 1 & FT 2 flammability testing.

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

- Hi-Flex Single Conductor Power Cables (2 AWG to 30 AWG) are available in continuous lengths, cut to order, or as assemblies, complete with lugs or connectors of your choice.
- Cicoil offers anti-friction coatings, custom colors, larger & smaller AWG sizes and lower/higher voltage designs by request.
- Additional Cicoil Cables: Dual Shielded Pairs for added EMI protection, 50 Ohm Triax, High Voltage Flat Power Cables, RF, Controlled Impedance, Grounding Strip, Ethernet, IDC, Telemetry, USB, Umbilical, HDMI, and Hybrid Designs.

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