HIGH PERFORMANCE & PROVEN RELIABILITY

At Carlisle Interconnect Technologies (CarlisleIT), we understand how critical it is in today's highly competitive market for aircraft manufacturers and operators to control cost. Lightweight and high-performance are the keys to reducing operational expenses. That is why CarlisleIT continues to design and manufacture both standard RF cables/cable assemblies and low PIM assemblies with design features that maximize system integrity and minimize cost of ownership.

KEY FEATURES

» Up to 75% lighter than Mil-C-17 standard cables
» Bend radii ranges between .75 – 2 inches
» -55° to 200° temperature range
» Multi-layered shielding provides superior protection against EMI/RFI
» Minimal Insertion Loss
» Meets or exceeds FAR Part 25 Burn/Smoke requirements
» Product ID marker tape with identification every 3-4 inches.
» Low PIM assemblies made with non-ferromagnetic properties to reduce multi-frequency inference

BENEFITS

» Easier to install (smaller, lighter, more flexible)
» Built to your specifications
» Just-in-time delivery
» Tested to meet system specifications and test data is shipped with assembly
» Test data is retained for future orders
» Expert Termination

SUPPORTED SYSTEMS & FREQUENCIES

» HF / 2 - 30 (MHz)
» Marker Beacon / 75 (MHz)
» VOR / LOC/108 - 118 (MHz)
» VHF / 118 - 156 (MHz)
» Glide Slope / 329 - 335 (MHz)
» TCAS / 1030, 1090 (MHz)
» DME / 960 - 1220 (MHz)
» GPS / 1575 (MHz)
» SATCOM / 1559, 1660 (MHz)
» XM, Wi-Fi / 2200 - 2400 (MHz)
» Radar Altimeter / 4200 - 4400 (MHz)
» MLS / 5030 - 5091 (MHz)
» IFE - KU Band / 10.7 - 12.75 GHz
Avionics RF Assemblies
Low Loss, Low Frequency RF Cable Assemblies

QUALITY ASSURANCE
Each Avionics RF Cable assembly is tested on our network analyzers to maintain high quality and ensure reliability. Insertion Loss, Phase Matching, Time Delay and VSWR are measured to verify performance and to meet your exact assembly requirements.

RF Assembly electrical profiles are documented and a certificate of compliance is included with each ship-set. Profiles are archived in our database to ensure repeatability. Individual, phase-matched cables can be remanufactured rather than replacing an entire ship-set.

CONNECT WITH US TODAY
See CarlisleIT’s line of Cable Assemblies & Harnesses at: CarlisleIT.com/products/cable-assemblies-and-harnesses (+1) 904-494-0549 Sales@CarlisleIT.com