



Providing complete avionics installation provisions and support for the Aviation industry since 1984.



High-performance Combined With Proven Reliability

At ECS, 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 ECS continues to design and manufacture RF cables and cable assemblies with special design features that maximize system integrity and minimize cost of ownership.

ECS also offers a line of RF Cable assembly products developed especially as a solution to meet the Passive Intermodulation Distortion requirements of ARINC 781 and comply with the latest low PIM industry standards.

Whether you need standard RF cable assemblies or assemblies offering low PIM, ECS products are lighter and more flexible than conventional cables. They provide minimal insertion loss, superior protection against EMI/RFI interference and steadfast resistance to harsh environmental variations.

Benefits of ordering ECS RF Cable and Low PIM Assemblies:

Saves Time — Fewer parts to order, receive, and inspect - one part number needed instead of five; Reduced production time - cable assemblies received ready to install; Cable assemblies ship fully tested - no testing needed after installation.

Less Waste — You purchase only the length of cable needed - no more bins of left-over cables too short to use; Cables terminated before shipping - no more "scrap" connectors due to errors made on the production floor.

Delivery — ECS offers just-in-time delivery - less cost in stocking or shipping loose parts.

Quality — You receive expert termination; Cables are tested to meet all system specs prior to shipment; Each assembly is serialized and shipped with test data which ECS retains electronically on file for repeat orders.



Low PIM Assemblies — Unique construction techniques make ECS Low PIM assemblies ideal for SATCOM systems that require reduced PIM cables. Top quality aerospace materials that eliminate ferromagnetic properties are selected. Assemblies are built with precision termination techniques to reduce multi-frequency interference through poor contacts and connections.



Each ECS 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.

To expedite the STC and PMA process, 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, a key cost saving benefit.

Every ECS RF cable assembly is fully tested to guarantee electrical and physical integrity, compliance with system requirements, and adherence to airframe manufacturer's standard practices.

In short, you will find in ECS a willing partner that understands your business needs and works closely with you to maximize your investment and lower the total cost of ownership.

ECS RF Cable Assembly Quality Assurance



ECS Network Analyzers

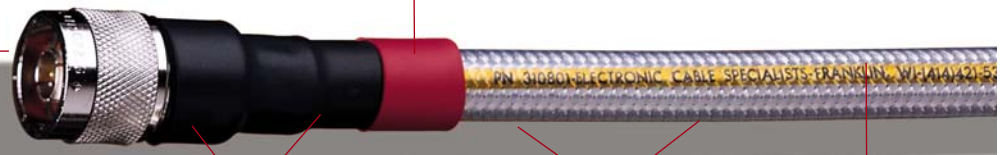


ECS Offers a wide variety of RF Cables and Connectors

Standard ECS RF Cable Assemblies

ECS Standard Heavy Duty Connectors Are Made From Corrosion Resistant Materials and Seal Out Moisture

Color Coded Heat Shrink Tubing Available for Both Cable Assembly Types



Adhesive Heat Shrink Tubing Protects Against Water Ingression, Reduced Strain

Lightweight Coaxial Cable

Product I.D. Marker Tape

Low PIM ECS RF Cable Assemblies

ECS Low PIM Connectors Are Made From Non-Ferromagnetic Materials, They Are Corrosion Resistant, and Seal Out Moisture



ECS Standard RF and Low PIM Cable Assemblies Offer Low Loss & Low VSWR Performance

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ECS is a ISO9001
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