

Customization Process for Upgraded Aviation Electronic Tail Cable Connectors



Overview

Turnkey design, collaborative co-development, and build-to-print capabilities include: Application-specific solutions for high currents and voltages, Ethernet and RF applications. Single and multiple-layer foil and braided EMI/RFI shielding. Extreme temperatures, shock and vibration. AVIA Electronics provides high-quality custom cable solutions tailored to your unique requirements. Need a specific connector type, length, or configuration?

We can build it. Our. Our high quality cables are designed to be identical or suitable alternatives for seamless substitution with many of the popular lines in the industry today. GIGAFLIGHT offers a variety of RF coaxial. Most of our custom connectors and modified interconnects come with low or no NRE charges, quick-turn samples, short lead times, and low or no MOQ's. This is why custom and modified products account for more than 25% of our business, and why we've consistently been ranked #1 in the industry for. Eaton combines advanced engineering tools with an extensive array of manufacturing resources to quickly deliver custom solutions for military and aerospace cable assembly and wiring harness applications.



Article Content

Mar 30, 2026

Customization

We leverage our extensive resources for connectors and wire, and our skilled team delivers precision cable assemblies. Need a

Aug 04, 2025

Aviation Wiring, Connectors and Interconnects

A viation wiring, connectors and interconnects seamlessly transmit power and data to

Jan 08, 2026

A Comprehensive Guide on the Aircraft Wire Harness Assembly

In order to carry current as well as electronic signals out of the nose to the tail, the aircraft wire harness assembly plays a crucial role

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Aviation Connectors and Cables (color customization)

Product Overview□ We provide full-custom aviation connector plug and integrated cable assembly services, including 90° right

Dec 10, 2025

Aircraft Wire Harness Assembly: Best Aerospace Practices

□□ Discover essential best practices for aerospace wire harness assembly. Learn expert techniques, safety standards,

Jun 28, 2026

Specialist Aircraft Cable Connector Solutions | SMI

Our specialist moulding process transforms the connectors by providing a level of sealing that enables their deployment for

Jun 13, 2026

Wire Installation Practices

Shielded cables, ignition cables and any wires that are not protected by a circuit breaker or fuse should not be bundled

Mar 04, 2026

Custom Aviation Cable | Aircraft Avionics, Factory Direct

Factory Direct Custom Aviation Cable: Top Benefits for B2B Buyers Sourcing custom aviation cable factory direct transforms the

Sep 06, 2025

Aviation Cable Connectors: Types and Uses – Powering the Skies

Aviation cable connectors are the unsung heroes of the aerospace world. These critical components provide the essential electrical

May 15, 2026

Aircraft Cable Assemblies: Custom Solutions for Unique Aircraft

Using 3D CAD (computer-aided design) tools, engineers draft cable layouts that optimize EMI shielding (critical for avionics cables),

Jul 28, 2025

Custom Flight Cables

If you need cable assemblies requiring special non-standard terminals, we can quickly make them to your specifications or old cable

Nov 07, 2025

Benefits of Hermetically Sealed Connectors in Aviation

Learn how hermetic sealing protects aviation connectors and cables from environmental factors, improves

Apr 11, 2026

About the installation and use of aviation connectors

Learn how aviation connectors can be easily connected to power sources and can transmit signals at the same time.

Nov 06, 2025

Amphenol Aerospace

Amphenol Aerospace designs and manufactures QPL Mil-spec and custom circular and rectangular electrical and electronic

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Aerospace Connectors for Electrical & Optical Systems | SMI

Aerospace technology is constantly evolving to deliver more efficient and capable aircraft. This creates demand for light-weight, high

Mar 31, 2026

Aircraft Cable Assemblies: Innovations in Connector Technology ...

As aircraft become more electrified (e.g., electric propulsion in eVTOLs and hybrid-electric airliners) and avionics become more

Mar 08, 2026

SC Commercial Aviation Brochure 2014 (US) dd

Our diverse product offering, from off-the-shelf products to customized solutions, provides unrivaled performance under the most

Aug 23, 2025

Commercial Aerospace Wire Interconnect Technologies

Proven-performance electrical interconnect technologies that resolve long-standing problems or improve commercial aircraft

Aug 12, 2025

Custom cable assemblies

Eaton combines advanced engineering tools with an extensive array of manufacturing resources to quickly deliver custom solutions

Jul 16, 2026

Pigtail, wiring, and electrical connectors

Aviation/Aerospace Aeromotive Services is a wire harness provider of aerospace engineering and manufacturing solutions for the

Aug 26, 2025

Aircraft Cable Assemblies

Our cable advisors have extensive experience in the aerospace industry, contact us for your custom aircraft cable assemblies.

Nov 26, 2025

Aircraft Cable Connectors Connectors | GIGAFLIGHT

GIGAFLIGHT offers a variety of RF coaxial connectors designed to be paired with our aircraft coaxial cables. We also offer triaxial

Aug 03, 2025

Aircraft Cable Assemblies: Custom Solutions for Unique Aircraft

The benefits of custom aircraft cable assemblies directly address the pain points of unique aircraft: Reduced Downtime: Tailored

May 21, 2026

Custom Connectors, Cables, Plating, Molding, Packaging and More

Call +1 812-944-6733, email us, or complete this form to begin the easy process of getting exactly the product you need. Within one

Mar 23, 2026

GIGAFLIGHT: Aircraft Cable & Mil-Spec Wiring, Connectors & Cable

Explore GIGAFLIGHT's high grade cable assemblies, designed for the harsh environments of aerospace and defense applications.

Jun 21, 2026

Aviation Connectors & Cable Assemblies

Whether it is offering an online store, expanding our range of connectors, cables, and cable assemblies, or improving our

Jul 01, 2026

PowerPoint Presentation

Introduction The purpose of this eBook is to provide some general guidance to new aerospace engineers who are

Dec 20, 2025

Custom Wire Harnesses in the Aerospace and Avionics Industry

We are capable of manufacturing rugged aerospace cable assemblies for unmanned aerial vehicles (UAVS), satellites, and tactical

Oct 19, 2025

Create the Perfect Connector with Custom Options

New design, manufacturing, and processing options enable OEMs to achieve a semi

Apr 27, 2026

What Are Common Applications For Aviation Connectors?

The following sections dive into common applications where aviation connectors play essential roles, explain why

Apr 19, 2026

COMMERCIAL PROTOCOLS AND AEROSPACE CABLING: FINDING

Commercial Protocols and Aerospace Cabling: Finding the Right Balance Commercial protocols in aerospace applications present

May 17, 2026

Aircraft Wire Harness Assembly: Design, Standards & Tips

Aircraft wire harness assembly spans design, material selection, compliance with EWIS/FAA standards, routing &

Contact Us

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