

# Aerospace Electronic Fiber Braided Tube IK10





## Overview

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It achieves greater than 90% optical coverage and meets rigorous qualification standards such as RTCA DO-160 for lightning protection, MIL-STD-810 environmental testing, ASTM requirements, and FAA flammability as well as smoke and toxicity criteria. From high-temperature fiberglass tubular shielding for engine applications to ultra-lightweight EMI/RFI braided shielding for electrical wire interconnect grounding applications, Glenair offers the industry's most innovative range of solutions. ARACON® fiber from Micro-Coax was developed to address these evolving challenges. Flexo Shield is an expandable, high performance sleeving that provides a high level of EMI (ElectroMagnetic Interference) shielding. With its high temperature aramid fiber core and special construction, Flexo Shield. The Aerospace & Defense industries have always been the main drivers for RFI/EMI shielding design and products. Achieving EMC (electromagnetic compatibility) in this sector is safety critical, whereas in everyday life it can just be a frustrating nuisance. Our FITCOFLEX® braided sleeving is a monofilament-based braided hose and is used to protect cables, wires, hoses, and pipes from extreme mechanical and thermal stresses.



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### Braided Wire

Braided Wire Applications Tubular and flat braided wire are used in many industries. Some examples include: Aerospace. Braided wire is used for EMI shielding for

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### High Temperature Sleeve AS1072 Aerospace Grade

High Temperature Sleeve AS1072 Aerospace Grade FIREFLEX® AERO (FIA) is engineered from a dense fiberglass sleeve and a thick coating of self-extinguishing high temperature silicone rubber that

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## **Metallic Overbraid , Amphenol CDI**

Amphenol CDI Metallic Overbraid provides durable, high-performance protection for cable assemblies in aerospace, military, space, and industrial applications.

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## **FLEXO® COPPER**

This product is intended for high flex, high temperature and environmentally tough conditions, making it appropriate for use in aerospace applications. Techflex®

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## **TTI Defense, Aerospace & Space Product Guide**

The Specialist in Electronics Component Distribution Founded in 1971, TTI has steadily grown to become a world leading specialist distributor of electronic components. The company was founded

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## **Braided Tubes**

Braided sleeving bundle and protect cables in electronic and electrical wiring. They bundle multiple cables for a tidy appearance and are used widely with computers, electrical appliances, automobiles,

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## **Thermotubix Aerospace, fire protection tube with temperatures up to**

Thermotubix Aerospace Aerospace Thermotubix is a thick wall braided fiberglass sleeving coated with a specially compounded, flame retardant silicone rubber. This product can be easily installed on cables

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## **EMI Shielding Solutions for AD& M Applications , TE**



The Aerospace & Defense industries have always been the main drivers for RFI/EMI shielding design and products. Achieving EMC (electromagnetic compatibility) in

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## **ARACON , Braided EMI Shields , Micro-Coax**

Whether you're building weight-sensitive aerospace systems, compact electronics, or cables that need to flex over time, ARACON delivers high-performance shielding

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## **BRAIDED WIRE PROTECTION**

From high-temperature fiberglass tubular shielding for engine applications to ultra-lightweight EMI/RFI braided shielding for electrical wire interconnect grounding applications, Glenair offers the industry's

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## **Advanced Aerospace Solutions - ZT**

Zippertubing® is at the forefront of providing cutting-edge solutions tailored specifically for the aerospace industry. Our expertise lies in developing custom protective systems that ensure reliability under

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## **Braided Reinforced Pultruded Tubes**

Leading carbon fiber factory producing braided reinforced pultruded tubes. Discover advantages over unidirectional tubes, standard sizes & high-performance applications.

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## **Inner Silicone Tube Braided with Aramid and PES Fiber**

Our inner silicone tube braided with aramid and PES fibers offers excellent heat



resistance, pressure tolerance, and corrosion resistance. Ideal for industrial, automotive, and food-grade applications,

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## **The Ultimate Guide to EMI/RFI Shielding**

When it comes to performance in aerospace and defense systems, properly protecting against &nbsp;electromagnetic interference (EMI) and radio

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## **Braiding**

Aerospace designers routinely specify dry carbon fiber braided preforms for stiffening curved surfaces in aircraft. Bally Ribbon Mills has developed high-precision

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## **Braided Metallic Wire and Cable Shielding for EMI/RFI Aerospace**

Glenair - Micro-Seminar Series Connect with Innovation: On-Demand Micro-Seminar Series Braided Metallic Wire and Cable Shielding for EMI/RFI Aerospace Applications Metal braided sleeving and

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## **PMA cable protection (Conduit & fittings) , Products , ABB**

The EMC product line includes screening braids (tin-plated copper and hybrid braids) and a range of patented termination fittings (metallic components in nickel plated aluminium or nickel plated brass).

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## **Pyrotex Aerospace-grade Braid Firesleeve**

Pyrotex Aerospace-grade Braid Firesleeve Atlantex's Aerospace-grade braided Pyrotex



Firesleeve has been optimized to provide superior protection to critical hoses, cables, tubes, wires, and assemblies

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## **Braided Tubing FITCOFLEX® Manufacturer , GREMCO**

This video examines two different types of braided protective tubing, expandable and self-retracting, and how their installation process is performed by means of a

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## **FLEXO SHIELD**

Extremely lightweight shielding braid for EMI shielding. The very lightweight EMC-capable fibers provide radiation protection for aerospace products.

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## TechLace

Products We offer the full range of commonly specified lacing tape solutions, in materials and finishes to fulfill virtually any need, from auto and antique electronics restoration to cutting edge aerospace and

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## Aerospace Cable Management & Protection

Clevaflex F-A2 , Aluminum and fiberglass multifilaments Clevaflex® F-A2 is a reflective corrugated tube designed to provide thermal protection for components in radiant heat environments.

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## Conduit Assemblies

We supply conduit assemblies for supporting ground equipment in the Aerospace and Military markets. In addition, we provide conduit assemblies for the Fiber Optics,



Medical, and Industrial industries.

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## **ARACON® Fibers: Advanced EMI Shielding for High**

By integrating the conductivity of metal with advanced lightweight fiber technology, ARACON creates a braided shielding solution that behaves like a textile while

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## **Flexible Metal Braided Hoses**

FMH Aerospace's Flexible Metal Hose Assemblies are all-metallic, corrugated hose products engineered for extreme aerospace environments. These build-to-print

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## **ARACON , Braided EMI Shields , Micro-Coax**

ARACON® conductive fiber offers up to 80% weight savings vs. copper braid, delivering lightweight EMI shielding and custom cable solutions.

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## **Lacing Cords and Tapes**

They are designed to produce maximum strength with minimum space requirements. Other advantages include increased gripping and superior impregnation characteristics. Flat braided tapes are specified

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## **Heat Resistant Sleeves, Braided Fiberglass Sleeve,**

MQ Braided Silica Fiber Sleeve is made from silica fiber, SiO<sub>2</sub> content  $\geq 96\%$ , low shrinkage when being heated. Typically used to protect hose, tube, wire and

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## **Cable Braids: Excellent EMI Shielding and Lightning**

Made from a high-performance nickel-plated copper alloy, the RoHS-compliant pull-on braid is supplied on a former for easy installation onto various substrates.

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## **Glenair Aerospace Grade Wire Cable And Assemblies**

Glenair Aerospace-Grade Wire, Cable, and Assemblies: Signal · RF · High-Speed · Power Electronic systems play a critical role in ensuring safety, reliability, and performance of aerospace vehicles.

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