

A World of Interconnect Solutions



United States ■ United Kingdom ■ Germany ■ France ■ Nordic ■ Italy ■ Spain ■ Japan

Five Snapshots From Glenair

We're pleased to invite our customers to visit the Glenair factory to see our "high-availability" business model in action:

1. **Customer Service:** Our sales, customer service and technical support teams are available when and where you need them.
2. **Machining Capacity:** Glenair's armada of CNC machining centers help us deliver the fastest lead-times in the business.
3. **Assembly Capacity:** On-site component assembly ensures high-speed production and carefully-controlled quality.
4. **Materials Inventory:** Depend on Glenair to have plenty of raw materials on hand for even the largest volume orders.
5. **Finished Goods:** We offer "Same-Day Delivery" on tens-of-thousands of connectors and connector accessories.



Huge "Same-Day" Inventory!



Plenty of Raw Materials!



Outstanding Customer Service!



Abundant Machining Capacity!



In-House Assembly!

Glenair®

Mil-Spec Performance in Just Half the Size and Weight? “Mighty Mouse” Delivers Both— with Rapid-Fire Turnaround

Ultra-Miniature Series 80 “Mighty Mouse” Connectors and Cables are Available with Same-Day Delivery on Stock Part Numbers and Just 2-3 Week Lead-Times on Specials.

Glenair has recognized a growing need in tactical military, aerospace and specialty industrial markets for a connector series that mimics the electrical and mechanical performance of popular mil-standard connectors, but is smaller in size and lighter in weight. The Series 80 “Mighty Mouse” Connector is ideal for high-speed applications such as gigabit Ethernet and perfectly suited for the wide range of data I/O applications that depend on USB and IEEE 1394 compatible interconnects and reliable environmental, mechanical and EMC performance. Six different coupling styles are offered. # 23 AWG crimp contacts are standard, set on .076 in. centers. Please see www.glenair.com/mightymouse for more information.

Compare “Mighty Mouse” Against MIL-DTL-38999 Series Connectors

The Series 80 “Mighty Mouse” Connector offers comparable electrical and mechanical performance to MIL-DTL-38999 series interconnects with up to 71% weight and 51% size savings for similar contact layouts.

14 different layouts are offered, from 3 to 85 contacts. Standard # 23 AWG contact versions are rated to 500 Volts AC DWV and 5 Amps per contact with #23 AWG wire.

**Series 800
UNF Thread**



**Series 801
Double-Start**



**Series 802
“AquaMouse”**



**Series 803
Bayonet**



**Series 804
Push-Pull**



**Series 805
Triple-Start**



**EMI/EMP Filter
Receptacles**



**High-Speed Serial
Data Cordsets**



Glenair®

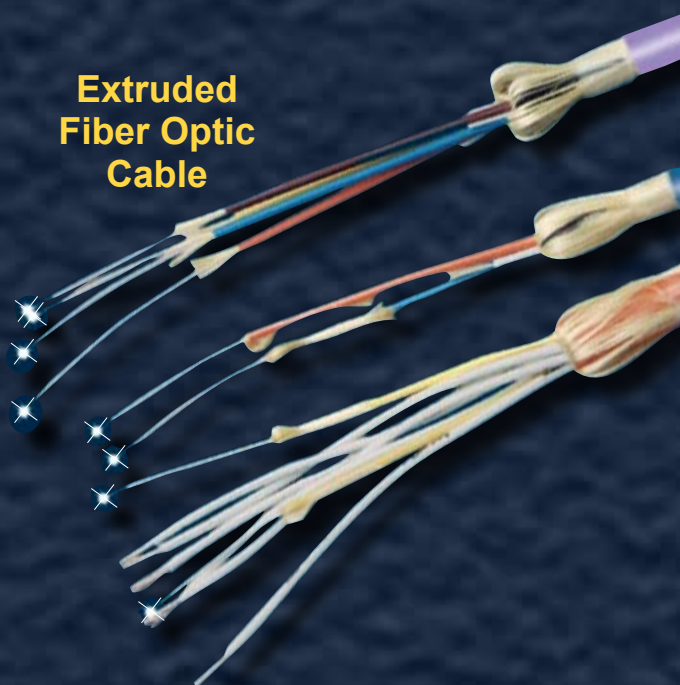
High Density Fiber Optic Connectors and Cables for Mission-Critical Applications

From Military Aerospace to High-Speed Ethernet Applications, Glenair Fiber Optic Connectors, Contacts and Cable Assemblies are Built to Perform.

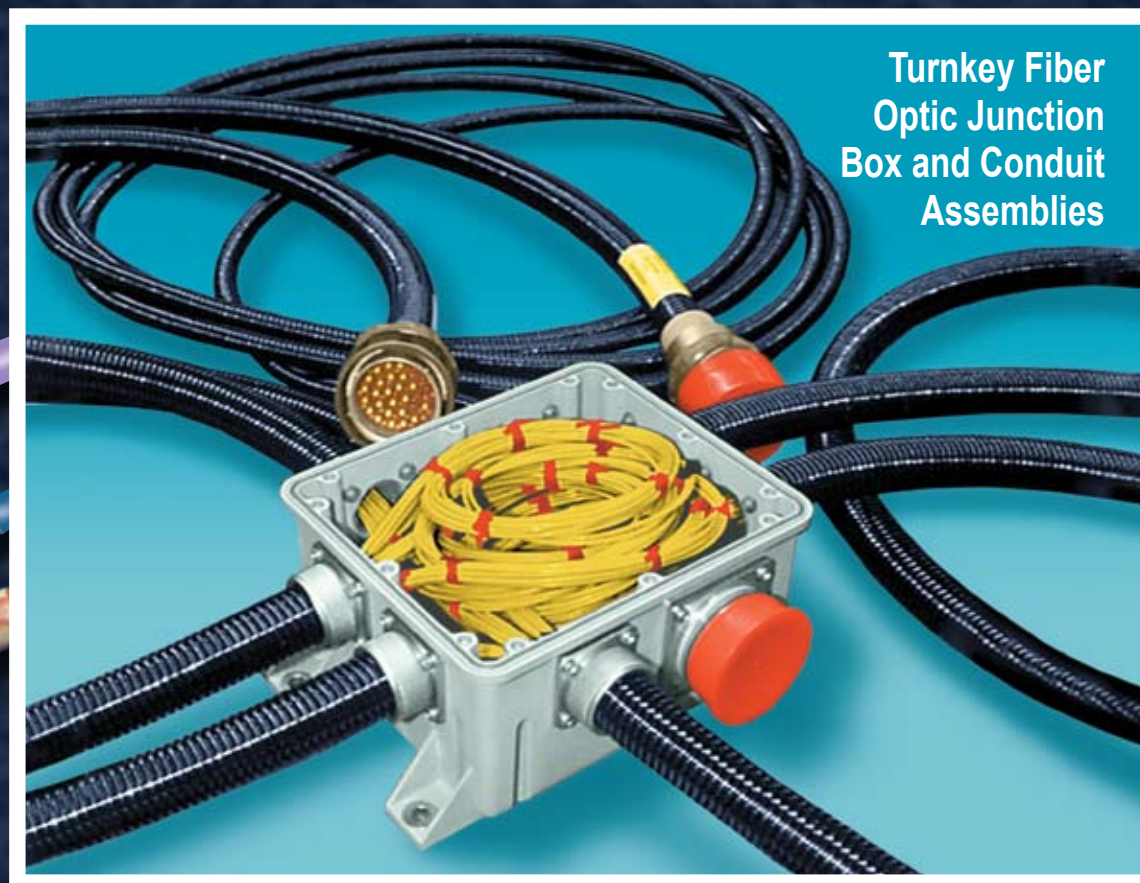
Glenair offers seven different fiber optic connection systems for tactical and mission-critical applications such as military jets, communication shelters, and other high-bandwidth systems designed to carry digitized video, voice and data. Glenair's MIL-DTL-38999, MIL-PRF-28876 and GFOCA type connection systems are all optimized for low dB optical loss and mating cycle durability. We also offer expanded beam connectors, and our own advanced high-density system (GHD) that doubles the number of available contacts compared to mil-standard connectors. As always, the assembly of terminated and tested cables is a specialty. Please see www.glenair.com/fiberoptic for more information.



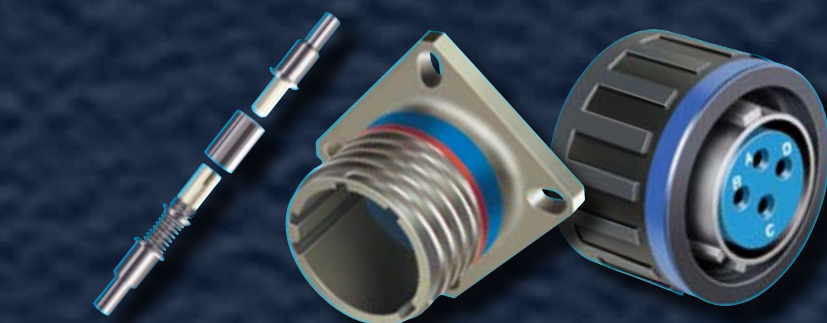
**COTS
Termini for
Easy F/O
Integration**



**Extruded
Fiber Optic
Cable**



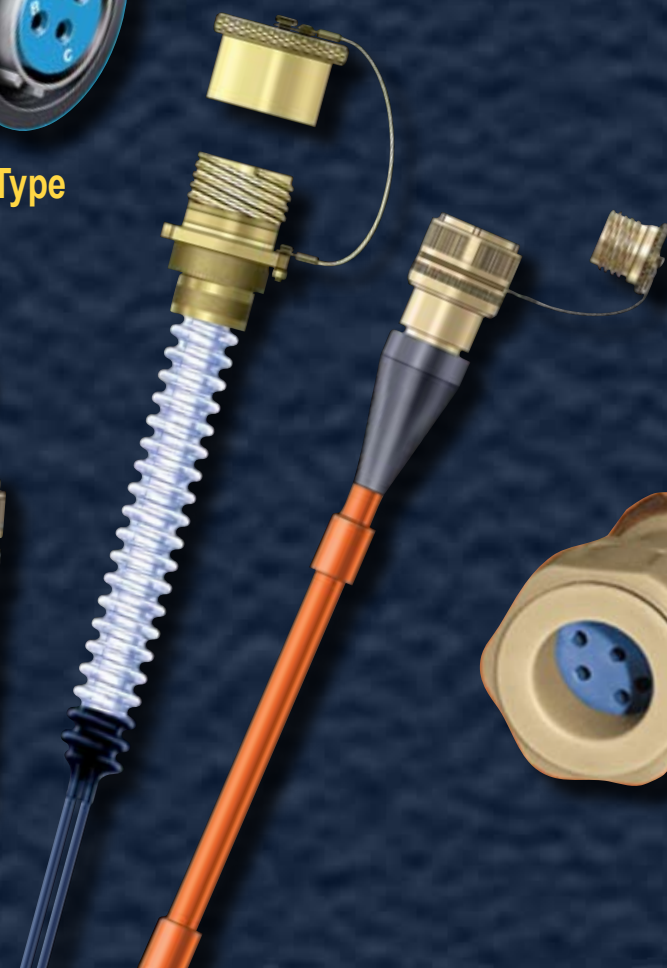
**Turnkey Fiber
Optic Junction
Box and Conduit
Assemblies**



MIL-DTL-38999 Type



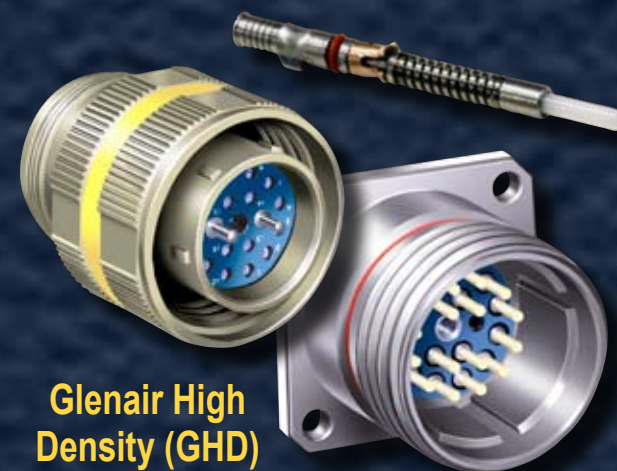
**ASAP Fiber Optic
Cable Assemblies**



**GFOCA
Hermaphroditic**



**The World's Largest
Selection of Fiber Optic
Backshells**



**Glenair High
Density (GHD)**



Same-Day Micro-D/Nano Connectors and Cables: In Stock—Ready for Action

Ask About Our New “MicroCrimp” Connector! The Micro-D with Crimp Power, Signal and COAX Contacts.

Glenair is the world's largest manufacturer and supplier of micro and nanominiature connectors and cables qualified to MIL-DTL-83513, BS9523F0002 and MIL-DTL-32139. We also produce a wide range of commercial-equivalent parts with features not available in the mil-specs—including EMI/EMP filtered designs. Custom cables and off-the-shelf cordsets are a specialty, including innovative EMI shielded cables, flex-circuit assemblies, and cabling solutions for Ethernet and other high-speed serial data applications. Please see www.glenair.com/micro-d for more information.

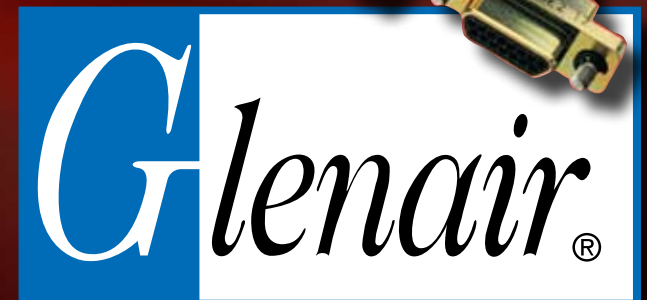
**MIL-DTL- 32139
Nano**

**Series 79
MicroCrimp**

**MIL-DTL- 83513
Micro-D**

**Custom Assemblies,
Including Flex Circuitry**

**High Vibration and Shock
TwistPin Contact System For
Micro-D and Nano Connectors**



Now Arriving on Track 5015: Industrial-Strength Power and Signal Connectors From Glenair

Bayonet-Lock Connectors, Cables and Conduit Assemblies for Military, Rail and Industrial Applications

Glenair manufactures a truly massive array of ruggedized power and signal connectors for general duty electrical and electronic applications. Our ITS Series connectors are based on the MIL-C-5015 standard, but feature an improved reverse bayonet coupling in place of the traditional threaded interface. The 3-point coupling mechanism reduces coupling time and facilitates trouble-free mating. The ITS-RG Series adds a vibration-dampening, protective rubber coating. For information on our complete range of power and signal connector products, including EMI/EMP filter connectors, custom cable, conduit and box assemblies, please visit our website.



**Connectors, Cables
and Box Assemblies**
*Glenair supplies both the
individual connectors as
well as customer-specified
cable, conduit and box
assemblies.*



**MIL-C-5015 Type/VG95234 Qualified
Reverse Bayonet Connectors**
*The Glenair Series ITS Connector is
intermateable with all industry standard
reverse bayonet MIL-C-5015 type connectors.*

**Wired, Terminated
and Tested Cable
and Conduit
Assemblies**

**CB Series
Compact
Bayonet
"PogoPin"
Connectors**

Glenair®

From EMI/EMP Filters to MIL-DTL-38999 Hermetics, Glenair's Aerospace Connector Capability is Out of This World.

Super Fast Turnaround—including Same-Day Delivery—on Thousands of High-Density Cylindrical Connectors

Glenair's miniature and sub-miniature high-density cylindrical connectors are built to exacting standards. We pride ourselves on two things: Delivering top quality products—both military qualified and our own proprietary designs—and the fastest turnaround in the industry. Many catalog products are bagged and tagged and ready for immediate shipment, and we offer accelerated lead-times on everything from connector savers to filter connectors and bulkhead feed-throughs. Please see www.glenair.com/interconnects for more information.

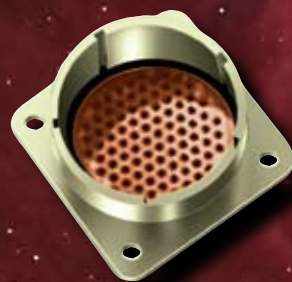


In addition to our extensive range of MIL-DTL-38999 Connectors and Accessories, we produce other high-density miniature connectors series including MIL-DTL-26482, MIL-C-28840 and MIL-C-5015.

MIL-DTL-26482 Type

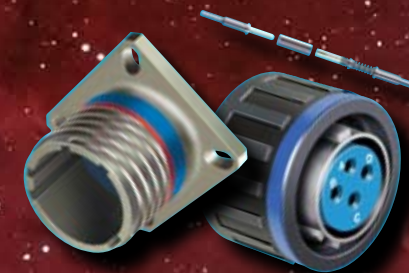


MIL-C-28840

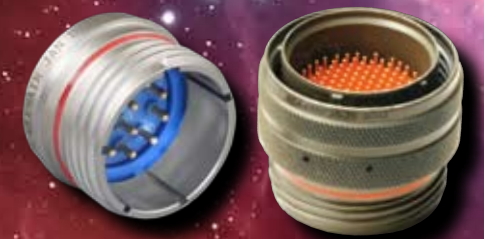


High-Density Military Standard Type Cylindrical Connectors

Composite Fiber Optic



Sav-Con® Connector Savers



Non-Standard and Special Purpose Designs



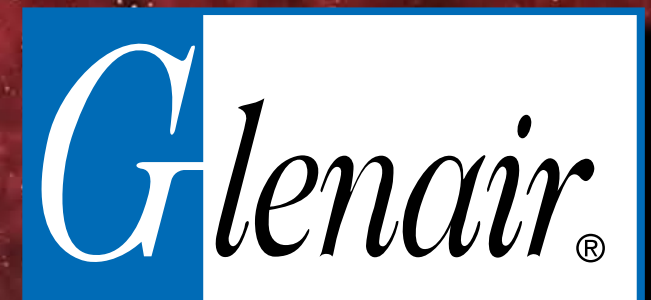
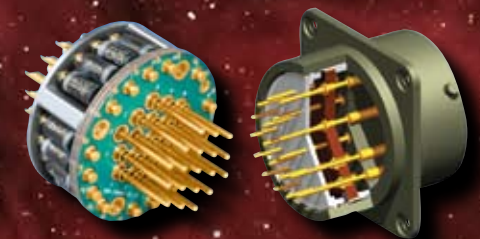
MIL-DTL-38999 Hermetic Connectors



Hermetic and Environmental Bulkhead Feed Thrus



Planar Array EMI/EMP Filter Connectors





Innovation and Availability: The Glenair Connector Accessory Product Line

The Largest and Most Diverse Selection of Cylindrical and Rectangular Connector Accessories in the World!

Glenair has the manufacturing capacity, raw materials, skilled operators, and necessary approvals to produce every military-standard and commercial connector accessory in use today. Tens of thousands of stock parts are staged for immediate, same-day shipment. Special order lead-times are just 2-3 weeks.



Composites = Reduced Weight and Advanced Corrosion Protection

Composite Thermoplastic Connectors, Backshells, Junction Boxes, EMI Shielding, Convoluted Tubing, Fittings and More!

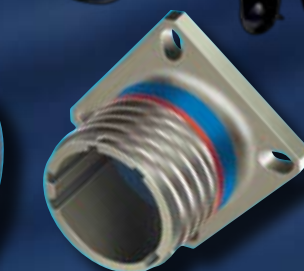
Nobody makes as many types and sizes of weight saving, corrosion-proof composite interconnect components as Glenair. Our parts are manufactured from high-grade engineering thermoplastics and have been qualified in test after test to the most rigorous military and industrial standards. Conductive versions are available for systems which require electromagnetic compatibility. Please see www.glenair.com/composite for complete information.



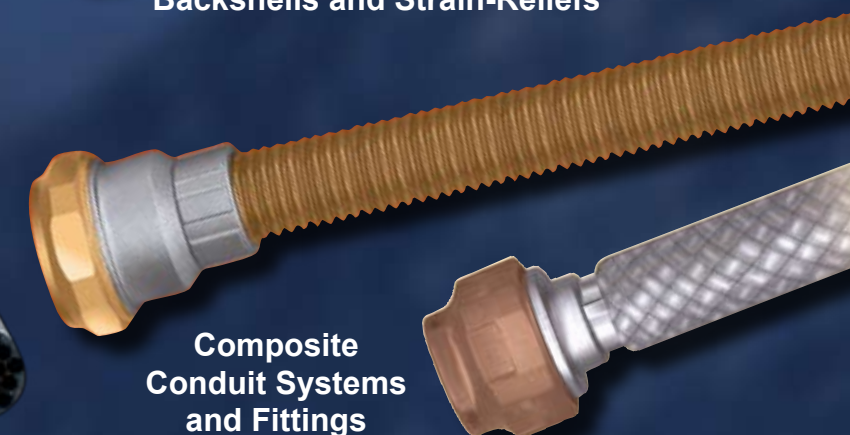
Composite
EMI/RFI
Junction
Boxes



Ruggedized
Composite
Connectors



Composite EMI/RFI
Backshells and Strain-Reliefs



Composite
Conduit Systems
and Fittings



Composite
Swing-Arm
Strain-Reliefs



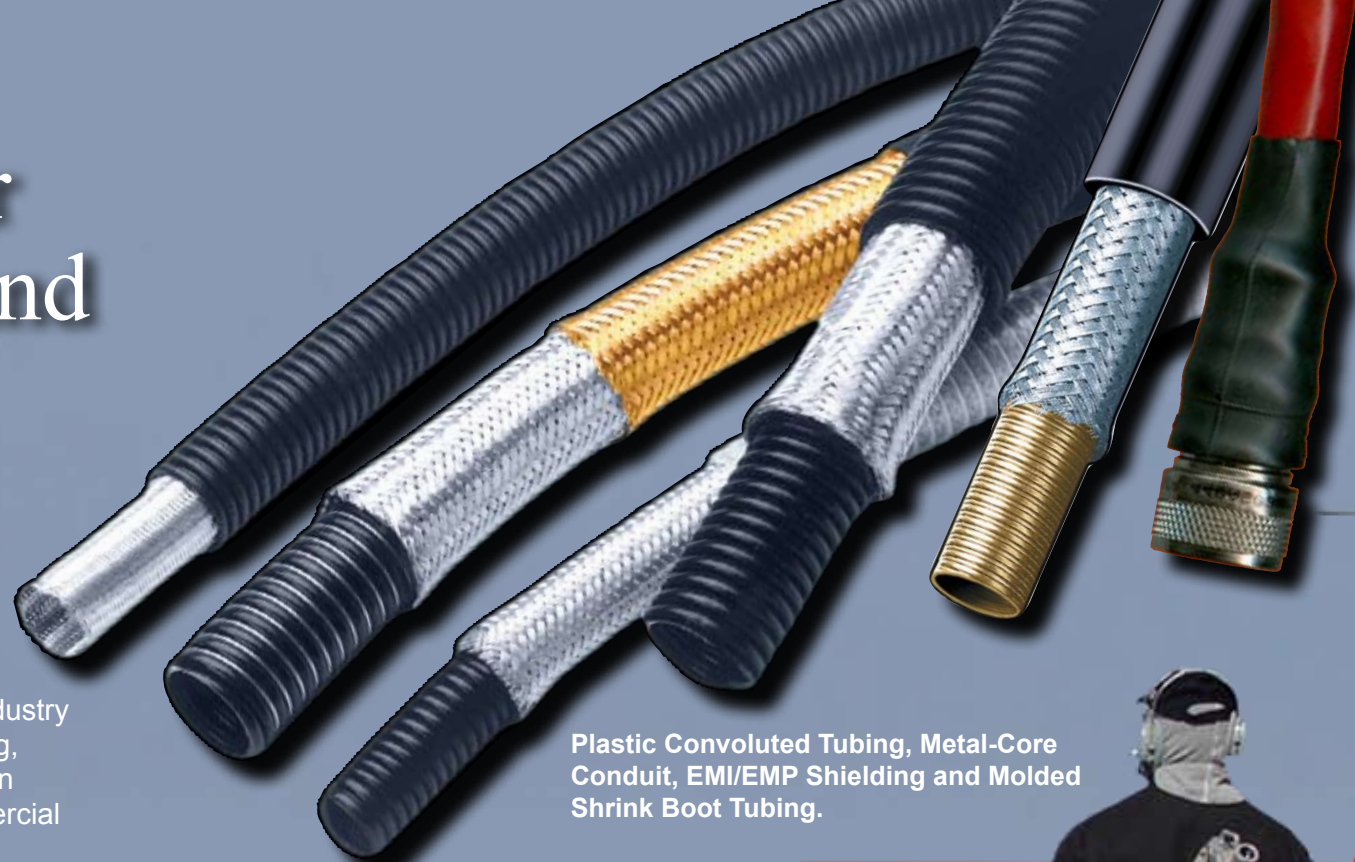
Light
Weight
Composite
EMI/RFI
Shielding

Glenair®

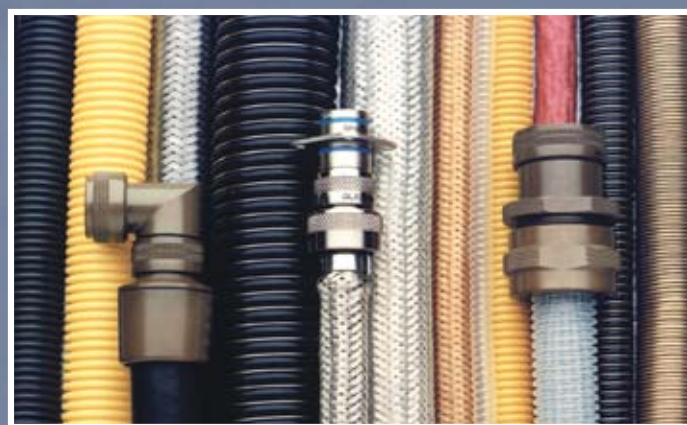
Wire Protection Products for Industrial, Shipboard, Rail and Aerospace Applications

Glenair Convoluted Tubing, Metal-Core Conduit, Shielding and Sealing Products are Built to Last.

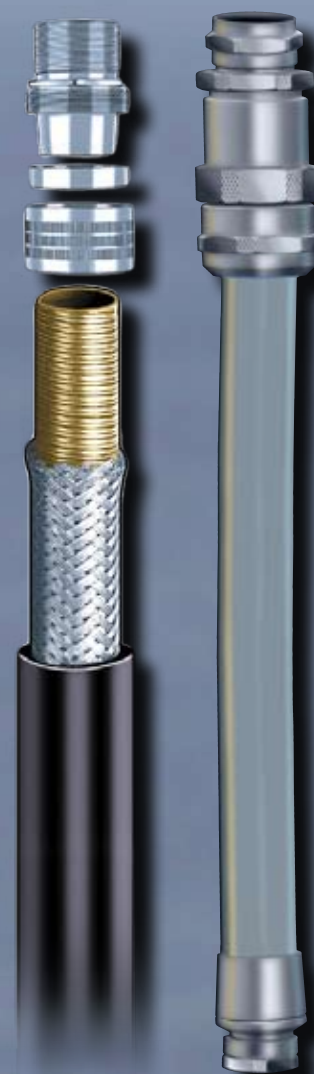
Convoluted tubing and metal-core conduit materials are used in harsh-duty, wire protection applications in navy ships, aircraft landing gear, railcars and other settings where environmental sealing, crush resistance, flexibility and electromagnetic compatibility are absolute requirements. Glenair is unique in the industry because we produce all our component elements in-house, including extruded tubing, braided EMI shielding, formed metal-core conduit, machined fittings—you name it. In addition, we offer wired assemblies made from both mil-qualified and Glenair commercial components. Please see www.glenair.com/conduit for more information.



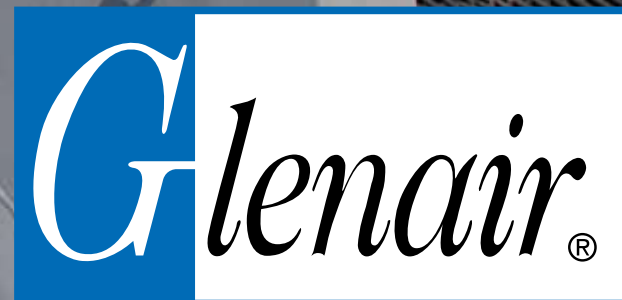
Plastic Convoluted Tubing, Metal-Core Conduit, EMI/EMP Shielding and Molded Shrink Boot Tubing.



A wide selection of factory-terminated and user-installable feed-through fittings, transitions and connector adapters are available—in straight, 45° and 90° configurations.



Legacy MIL-C-24758 and New MIL-PRF-24758A “Blue-Jacket” Conduit Systems and Fittings.



Custom Cable Assemblies: Glenair Has the Capacity and Expertise for Even the Most Complex Harness Designs

**Overmolded, Braided, Jacketed, Shielded—
You Name it, Glenair Can Build It!**

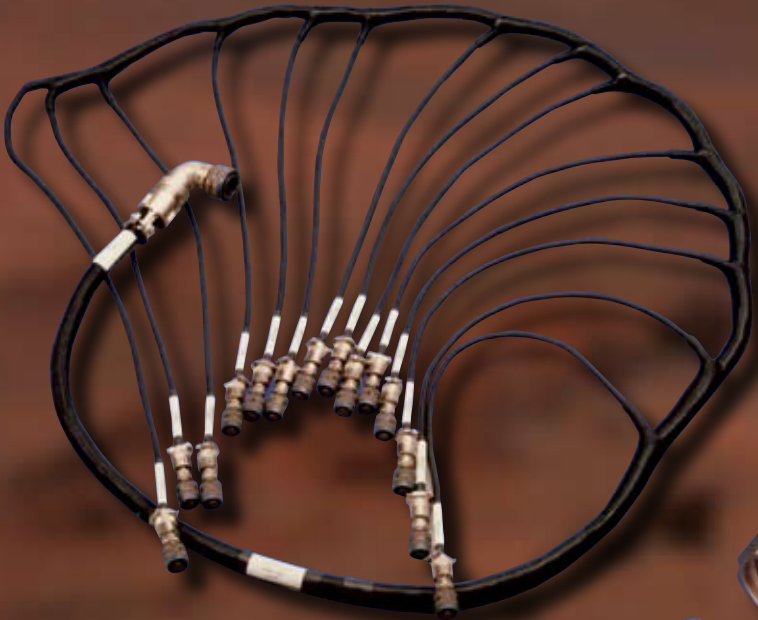
Glenair is unique in the interconnect components industry because we also operate our own Mil-Qualified cable harness assembly facility. We're well known for our ability to handle even the most complex projects and production schedules—from simple point-to-point cables to our signature overmolded assemblies for harsh application environments.



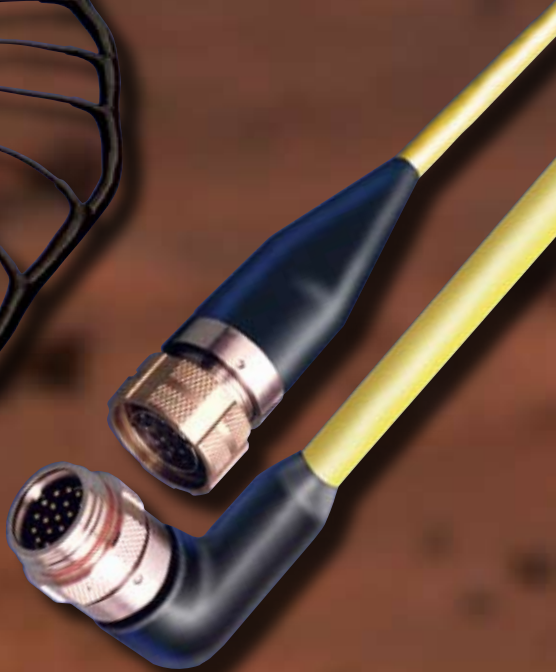
Glenair Golden
Umbilical Cable Used
in First Space Walk



Wired, Shielded and
Jacketed Conduit
Assemblies



Repairable Assemblies
with Glenair Shield
Termination Backshells
and Cable Clamps



Harsh
Environmental
Overmolded Cables



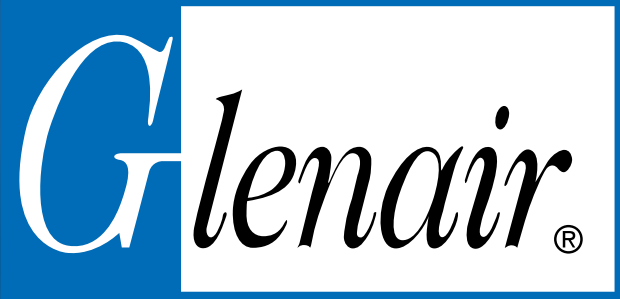
Multi-Branch
Assemblies with
Protective Fabric
Braiding and
Overmolding



Complex
Interconnect
Assemblies with
Industry-Standard
Connectors and
Fittings



Miniature Micro and
Nano Open Wire
Harnesses



Custom Cable Harness Designers Guide

Working Environment:

- ☐ Shipboard
- ☐ Airframe
- ☐ Avionics
- ☐ Secure Communications
- ☐ Ground Support/Soldier System
- ☐ Armored Vehicle
- ☐ Rail/Mass Transit
- ☐ Space
- ☐ Missile Defense
- ☐ Telecommunications
- ☐ Industrial
- ☐ Down Hole/Oil Patch
- ☐ Other

Basic Harness/Assembly Description:

- ☐ Open Wire Harness
- ☐ Repairable/Jacketed
- ☐ Overmolded
- ☐ Metal/Fabric Overbraided
- ☐ Flex Circuit
- ☐ Conduit

Basic Dimensional Description:

- ☐ Single-Ended
- ☐ Double-Ended
- ☐ Multi-Branch
- ☐ Overall Length_____

Electrical Wire Description:

- ☐ Number of Conductors_____
- ☐ Conductor Material/Finish_____
- ☐ Insulation Material_____
- ☐ Wire Gage(s)_____AWG
- ☐ Wire Voltage Rating_____
- ☐ Twisted Pair
- ☐ Shielded Twisted Pair
- ☐ Coaxial
- ☐ Hybrid Optical/Electrical
- ☐ Standard Multiple Conductor Cable
- ☐ Other

Optical Fiber Requirements:

- ☐ Number of F/O Lines_____
- ☐ Single-Mode
- ☐ Multi-Mode
- ☐ Acceptable Optical dB Loss
 - ☐ $\leq .5$ dB
 - ☐ ≤ 1.0 dB

Environmental Requirements:

- ☐ Non-Environmental
- ☐ Moisture Resistant
- ☐ Full Water Immersion
- ☐ Chemical/NBC Resistant
- ☐ Advanced Corrosion Protection
- ☐ IP67

Cable to Connector Interface:

- ☐ Direct Wire
- ☐ Simple Strain-Relief Backshell
- ☐ Environmental Backshell/Boot
- ☐ Shield Termination Backshell/Boot
- ☐ Overmold Termination Assembly
- ☐ Other

Overall EMI/RFI Shield Requirements:

- ☐ Single Shield, Standard Coverage
- ☐ Double Shield, Maximum Coverage
- ☐ Other

Protective Jacketing Material:

- ☐ General Purpose Polyurethane
- ☐ Low-Smoke, Zero Hal "BlueJacket"
- ☐ Chemically Resistant Viton
- ☐ High-Flexibility Neoprene
- ☐ Other

Style and Class of Connectors:

- ☐ MIL-STD Connector Series
- ☐ Industrial Power and Signal
- ☐ Fiber Optic
- ☐ Ultraminiature Circular
- ☐ Ultraminiature Rectangular
- ☐ Class of Mating Receptacle(s)_____

High-Speed Serial Data Applications:

- ☐ 10/100BASE-T
- ☐ 1000BASE-T
- ☐ USB 2.0
- ☐ IEEE 1394

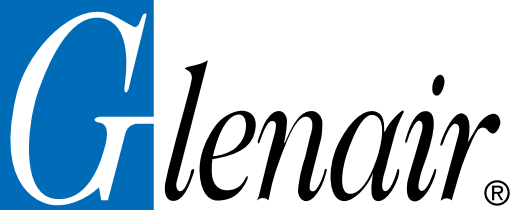
Special Considerations:

- ☐ Size and Weight Reduction
- ☐ Harsh Environmental Resistance
- ☐ Space-Grade
- ☐ RoHS Compliant Materials
- ☐ EMI/EMP Filtering
- ☐ Extreme Temperature Tolerance
- ☐ UL94-VO Flammability
- ☐ Field Repairability
- ☐ Customized Packaging and Routing
- ☐ Pull Strength Requirements
- ☐ Fast Turnaround (ASAP) Delivery

Alternative Wire Protection Media:

- ☐ High Flexibility Convuluted Tubing
- ☐ EMI/EMP Metal-Core Conduit
- ☐ Shrink Boots and Molded Shapes
- ☐ Junction Boxes and Cable Bays

Glenair



A World of Interconnect Solutions

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