

AEROFLITE

ENTERPRISES, INC.

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Glenair Fiber Optic Solutions

- SINGLE AND MULTI-MODE FIBER OPTIC CONNECTORS
- MIL SPEC AND EXPANDED BEAM F/O TERMINI
- FIBER OPTIC BACKSHELLS AND CONDUIT SYSTEMS
- FIBER OPTIC TEST EQUIPMENT AND ADAPTERS

GLENAIR FIBER OPTIC SOLUTIONS OFFER:

- Reduced Weight** - Compared to copper based systems
- Reduced Size** - Allows for multiple fibers in significantly smaller spaces
- EMI Immunity** - Fiber is not subject to EMI/RFI interference or voltage surges
- Spark/Arc Immunity** - Total electrical isolation for use in hazardous environments
- Enhanced Security** - Light pulses are almost impossible to intercept or monitor
- Large Bandwidth** - Maximize data at the longest distance, for the lowest cost

AeroFlite Enterprises, Inc. offers "Value-Added" solutions to Fiber Optic applications from termination through sophisticated over-molded harnesses and conduit assemblies. Packaging solutions for "Inside-the-Box" and "External Point-to-Point" installations can vary significantly depending on the environment. Specialized interconnect technologies, including



backshells, conduit transitions, fiber alignment grommets, etc., are utilized to ensure that the fiber optic media are protected from environmental and physical damage. AeroFlite Enterprises, Inc. can supply the complete interconnect assembly, including connector, termini, fiber, backshell fittings, conduit, termination and test equipment.



- D38999 Series III Type Connectors
- Single or Multi-Mode
- MIL-T-29504 Approved Termini
- Up to 29 Fibers
- Environmentally Sealed



- High Density F/O Connection System
- Nearly Double the Density of 38999
- 18 AWG Front Release HD Termini
- Equal Optical Performance to 38999
- Precision 1.25mm Ceramic Ferrule

- Sealed Expanded Beam Technology
- D38999 Series III Hardware
- 2 & 4 Channel Plus Hybrid Layouts
- Multi-Mode and Single-Mode Available
- Supplied as Terminated A/Y Only



- Expanded Beam Technology
- US & NATO Approved Systems
- 1 to 8 Channels Plus Hybrid Layouts
- Hermaphroditic Mating
- Superior Protection Provided



CONSULT AEROFLITE ENTERPRISES, INC. FOR DESIGN OPTIONS



- GFOCA Field Deployable System
- Hermaphroditic Connection System
- Singlemode and Multimode Capable
- Corrosion Resistant
- Available as Connectors or Spooled A/Y

- GFOCA Genderless Termini
- Low Insertion Loss
- Ceramic Alignment Sleeve
- For Both Low and High Speed Digital Data



- MIL-C-28876 Fiber Optic Connector
- Full Range of M28876 Insert Layouts
- Corrosion Resistant
- Aluminum Alloy 6061-T6
- Environmentally Sealed

- MIL-T-29504 Qualified Termini
- Optional S/S Alignment Sleeves
- Precision Ceramic Alignment Sleeve
- Tolerances Controlled to 1µ



AeroFlite Enterprises, Inc.

GLENAIR FIBER OPTIC SOLUTION

CUSTOM FRONT RELEASE F/O CONNECTION SYSTEM

- Precision Front Release
- Integrated Retention Clips
- All Popular Fiber Sizes
- Ceramic Alignment Sleeve
- Machined Connector Shells
- Unlimited Cavity Potential
- Typical Loss <0.5 db



GLENAIR FIBER OPTIC BACKSHELLS



Glenair is the only fiber optic connector and terminus manufacturer to also offer a complete line of specialized fiber optic backshells. Designed for use with MIL-PRF-28876 and MIL-DTL38999 fiber optic connectors, the backshells protect the fiber terminations from mechanical and environmental damage.

FIBER OPTIC PACKAGING



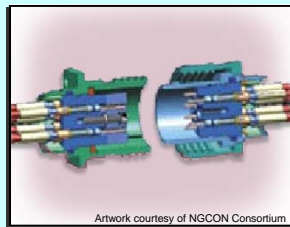
Complete, turnkey interconnect assembly includes light-weight composite junction boxes, conduit, fittings, optical termini and fiber optic connectors.

OVERMOLDED CABLE ASSEMBLIES

High temperature overmolded cable assemblies are ideally suited for fiber optic and hybrid fiber/copper applications in exposed, harsh environments.



GLENAIR NEXT GENERATION (NGCON) FIBER OPTIC CONNECTOR SYSTEM



Artwork courtesy of NGCON Consortium

THE EMERGING NGCON CONNECTOR IS DESIGNED TO BECOME THE NEW STANDARD FOR MILITARY FIBER OPTIC INTERCONNECT APPLICATIONS



Artwork courtesy of NGCON Consortium

FIBER, FIBER TERMINATION, TEST PROBES AND FIELD MAINTENANCE KITS

Glenair Fiber Optic Extruded Cable



Glenair's in-house fiber optic cable extrusion line provides the capability to extrude a variety of short-run specialty cables from simplex to hybrid constructions. Extrusion options include a selection of strength filaments, such as Aramid yarn and extruded outer jacket materials. The in-house extrusion line is geared to short run, prototype projects and other applications which do not meet the large cable manufacturer's minimum length requirements.

Fiber Optic Test Probes and Connector Adapters



Glenair's CleanBlast® System



Consult AeroFlite Enterprises, Inc. for Field Maintenance and Termination Kits

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Brea, CA

Asia-Pacific
Singapore

Northwest & W. Canada
Seattle, WA

Mexico / Latin & South America
Miami, FL

Southeast
Atlanta, GA

Northeast & E. Canada
Toronto, ON

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