



COMPOSITE Circular and Rectangular Backshells and Accessories



LIGHTWEIGHT Composite Backshells and Accessories

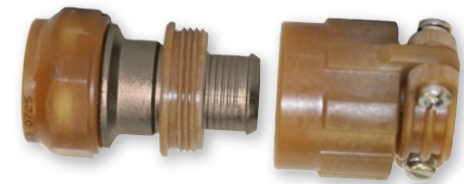
Corrosion resistance, weight reduction,
durability and design innovation



- High temperature engineered thermo-plastics for maximum strength and durability
- Total immunity to galvanic corrosion
- Up to 70% weight reduction compared to standard metal connectors and accessories
- Hundreds of innovative, tooled designs in stock



Composite Swing-Arm™ shield termination strain-relief clamp



Composite Band-in-a-Can shield termination backshell and strain-relief clamp

1000 HOUR GREY™ Ni-PTFE NICKEL FLUOROCARBON POLYMER PLATING



The MIL-DTL-38999 Rev L detail specification lists Nickel Fluorocarbon Polymer as a qualified Cadmium free plating alternative. This highly conductive, RoHS compliant plating formula is now available on composite interconnect products from Glenair and offers the following benefits in harsh-environment applications:

- 2000+ hour salt spray
- Cadmium free
- Outstanding mating lubricity
- Hexavalent Chromium free
- 500+ mating cycles
- Non-Magnetic

COMPOSITE DESIGN INNOVATION REDUCES CABLE HARNESS ASSEMBLY TIME



Composite QwikSnap™ M24308 Backshell



Composite Swing-Arm with Keyed Drop-In Banding Insert



All-In-One Booted "Piggyback" Backshell



Isolated Conductive Ground Path



Conductive composite protective covers



Non-conductive unplated protective covers



Composite Thermoplastic Vs. Common Metal Materials

| Material | Specific Gravity | Density (lbs. Inch ³) | Salt Spray |
|-----------------|------------------|-----------------------------------|--------------|
| Composite | 1.27 - 1.51 | .055 | 2000+ Hrs |
| Aluminum | 2.55 - 2.80 | .098 | 48-1000 Hrs |
| Titanium | 4.51 - 4.62 | .162 | 500-1000 Hrs |
| Stainless Steel | 7.70 - 7.73 | .284 | 500-1000 Hrs |
| Brass | 8.40 - 8.70 | .305 | 500-1000 Hrs |

Glenair composite interconnect components are principally manufactured from 30% glass fiber polyetherimide (PEI). At room temperature PEI exhibits tensile strength yield of over 15,000 psi. The PEI material meets the most stringent outgassing and flammability requirements.

ULTRA-LIGHTWEIGHT COMPOSITE THERMOPLASTIC SHIELD TERMINATION

