Composite Circular and Rectangular Backshells and Accessories

- High temperature, high strength engineering composite thermoplastics 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
- All popular part numbers in stock and ready for immediate, same-day shipment

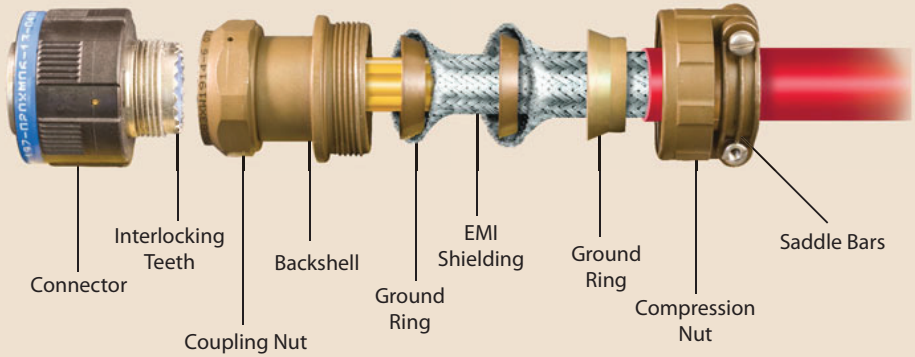
Corrosion resistance, weight reduction, durability and design innovation

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

Ultra-Lightweight Composite Thermoplastic Shield Termination



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Composite Circular and Rectangular Backshells and Accessories

Plated Composite

Cost	$ $
Conductivity	+ +
Corrosion Resistance	
Operating Temperature	-65 to +200°C
Glenair Code	XM, XW, XMT

Unplated Composite

Cost	$
Conductivity	+
Corrosion Resistance	
Operating Temperature	-65 to +175
Glenair Code	XB, XO

Standard Finishes		
SYM	MATERIAL	FINISH
XO	Composite Thermoplastic	No Plating, Natural
XB		No Plating, Black
XZN		Conductive, Zinc Nickel, Black
XM		Conductive, Electroless Nickel
XMT		Conductive, Ni-PTFE *1000 Hour Grey™*
XW		Conductive, Cadmium O.D. Over Electroless Nickel

Composite Thermoplastic Vs. Common Metal Materials			
Material	Specific Gravity	Density (lbs. Inch³)	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), an amorphous thermoplastic with outstanding heat and chemical resistance and high strength. At room temperature the 30% glass filled PEI exhibits strength far beyond that of most engineering thermoplastics, with a tensile strength yield of over 15,000 psi. The PEI material meets the most stringent outgassing and flammability requirements.

Composite Design Innovation Reduces Cable Harness Assembly Time

Composite "Snap-D" M24308 Backshell

Composite Swing-Arm with Keyed Drop-In Banding Insert

All-In-One Booted "Piggyback" Backshell

Isolated Conductive Ground Path

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