

## About Composite Materials



Supplemental Product Information



- 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

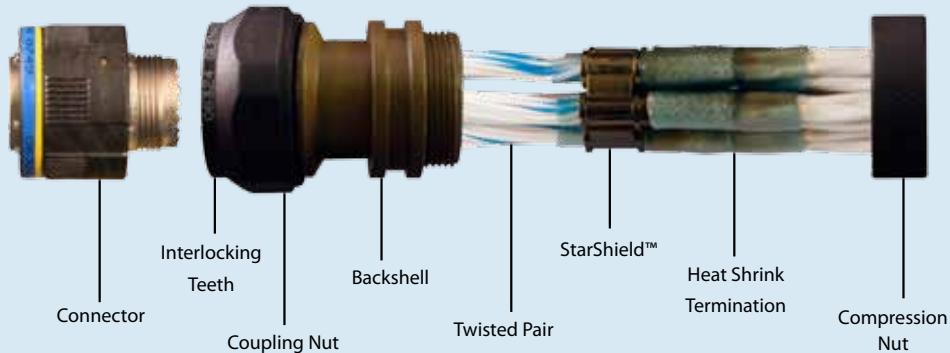
Glenair composite interconnect components are principally manufactured from 30% glass fiber polyetherimide (PEI), an amorphous thermoplastic with outstanding heat and chemical resistance and high strength. At room temperature the 30% glass filled PEI exhibits strength far beyond that of most engineering thermoplastics, with a tensile strength yield of over 15,000 psi. The PEI material meets all outgassing and flammability requirements.



Composite Thermoplastic Vs. Common Metal Materials			
Material	Specific Gravity	Density (lbs. Inch <sup>3</sup> )	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

Standard Finishes		
Sym	Material	Finish
XO	Composite Thermoplastic	No Plating, Natural
XB		No Plating, Black
XZR		Conductive, Zinc Nickel, Black
XM		Conductive, Electroless Nickel
XMT		Conductive, Ni-PTFE 1000 Hour Grey™
XW		Conductive, Cadmium O.D. Over Electroless Nickel

### Ultra-Lightweight Composite Thermoplastic StarShield™ Termination



Dimensions in inches (millimeters) and are subject to change without notice.

D