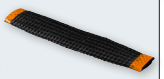
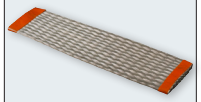
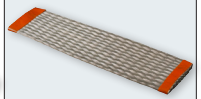
Non-Metallic Braid Selection Guide

Material Type	AmberStrand™ Thermoplastic	PEEK (Monofil)	FEP Teflon (Yarn)	Kevlar (Yarn)	Dacron (Yarn)	Halar (Monofil)	Teflon FEP (Monofil)	Nomex (Yarn)	Polyester Type FR (Monofil)	Ryton Type R-7 (Monofil)	PTFE-Glass (Yarn)
											
Glenair P/N	103-026 103-027	102-051	102-061	102-071	102-073	102-023	102-060	103-013	102-001 102-002	102-080	100-022
Temperature Range	-65°C to +220°C	-65°C to +260°C	-55°C to +200°C	-73°C to +350°C	-62°C to +150°C	-65°C to +150°C	-55°C to +200°C	-55°C to +200°C	-55°C to +200°C	-65°C to +200°C	-204°C to +482°C
Tensile Strength (PSI) Yield	590,000	780,000	40,000	400,000	160,000	35,000	14,000	90,000	50,000	19,000	450,000
Elongation Percentage	2.5%	38%	19%	3.6%	12%	15%	50%	25%	20%	35%	5%
Chemical Resistance	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Good	Excellent	Excellent
Abrasion Resistance	Good	Excellent	Good	Good	Fair	Excellent	Good	Good	Good	Excellent	Excellent
Specific Gravity	1.45	1.3	2.1	1.44	1.38	1.68	2.17	1.58	1.38	1.25	2.5
Flammability	Will Not Burn	Very Low	Will Not Burn	Will Not Melt	Flammable	Very Low	Very Low	Will Not Melt	Flammable Self-Extinguishing	Very Low	Will Not Burn

* Values are based on .500 Dia. Braid

EMI/RFI Metallic Braid Selection Guide

Glenair P/N	 100-001	 100-002	 100-003	 100-004	 100-005	 103-026 Microfilament	 103-027 Microfilament	 103-051 Microfilament	 103-052 Microfilament
Construction	Tin Plated Copper	Silver Plated Copper	Nickel Plated Copper	Stainless Steel	Tin Plated Copper-Covered Steel	AmberStrand™ 100% Nickel Plated	AmberStrand™ 75% / 25% Copper Nickel Plated	ArmorLite™ 100% SS Nickel Plated	ArmorLite™ 75% SS/ 25% Copper Nickel Plated
EMI Freq Effectiveness Range	10 KHz to 1 GHz	10 KHz to 1 GHz	10 KHz to 1 GHz	Good (H Field) Poor (E Field)	Good (H Field) Poor (E Field)	10 KHz to 1 GHz	10 KHz to 1GHz	10 KHz to 1 GHz	10 KHz to 1GHz
Temperature Range	150°	200°	200°	260°	175°	220°	220°	260°	260°
Tensile Strength*	125 Lbs.	125 Lbs.	150 Lbs.	225 Lbs.	175 Lbs.	150 Lbs. min	175 Lbs. min.	150 Lbs. min.	175 Lbs. min
Corrosion Resistance	48 Hrs. Salt Spray	48 Hrs. Salt Spray	2,000 Hrs. Salt Spray	500 Hrs. Salt Spray	96 Hrs. Salt Spray	2,000 Hrs. Salt Spray	2,000 Hrs. Salt Spray	2,000 Hrs. Salt Spray	2,000 Hrs. Salt Spray
Abrasion Resistance	Good	Fair	Good	Very Good	Good	Good	Good	Good	Good
Material Specification	ASTM B33	ASTM B298	ASTM B355	QQ-W-423/ ASTM A580	ASTM B520	ZYLON AS	ZYLON AS ASTM B355	ASTM B580	ASTM B580/ ASTM B355

* Values are based on .500 Dia. Braid