

A GLENAIR SIGNATURE

High-Rel
Cable
Assembly



CRITICAL COMPONENT



Cable Shielding Sleeves and Overbraiding



Cable shielding sleeves: metallic EMI shielding solutions plus non-metallic materials for abrasion protection



From high-temperature fiberglass tubular shielding for engine applications to industry-standard EMI/RFI braided shielding for electrical wire interconnect EMC applications, Glenair offers the industry's most comprehensive range of in-stock solutions.

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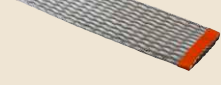
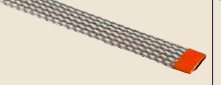
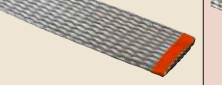
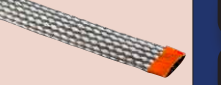
- Industry-standard metallic EMI/RFI braided cable shielding
- IAW and qualified QQ-B-575B / A-A-59569 tin-, silver-, and nickel-plated copper configurations
- Non-metallic cable shielding sleeves meet the broad range of mechanical wire protection requirements
- All types supplied as expandable tubular bulk sleeving or factory overbraiding
- Space-grade constructions available
- RoHS and REACH materials available

METALLIC AND NON-METALLIC Cable Shielding Sleeves and Overbraiding

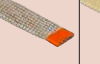


Industry-standard solutions for EMI/RFI and abrasion shielding

EMI / RFI SHIELDING, INDUSTRY-STANDARD METALLIC

PRINCIPAL SELECTION CRITERIA	GENERAL-DUTY				HIGH-TEMP LOW-CORROSION
Braid Part Number and Material Construction	 100-001 Soft Drawn Tin Plated Copper	 100-002 Soft Drawn Silver Plated Copper	 100-003 Soft Drawn Nickel Plated Copper	 100-005 Soft Drawn Tin Plated Copper-Clad Steel	 100-004 Soft Drawn Stainless Steel
RoHS Materials	Yes	Yes	Yes	Yes	Yes
EMI Frequency Effectiveness	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)
Temperature Range	+150°	+200°	+200°	+175°	+260°
Pull Strength (.5"Ø braid)	125 Lbs.	125 Lbs.	125 Lbs.	175 Lbs.	225 Lbs.
Corrosion Resistance	48 Hours Salt Spray	48 Hours Salt Spray	500 Hours Salt Spray	96 Hours Salt Spray	1000 Hours Salt Spray
Abrasion Resistance	Good	Fair	Good	Good	Very Good
Material Specification	ASTM B33	ASTM B298	ASTM B355	ASTM B520	QQ-W-423/ ASTM A580

NON-METALLIC MONOFILAMENT (MONO) AND YARN BRAIDED CABLE SHIELDING

PRINCIPAL SELECTION CRITERIA	GENERAL DUTY / ABRASION RESISTANCE					ECONOMY		TEMPERATURE TOLERANCE		FIRE RESISTANCE	
Braid Part Number and Material Construction	 102-060 Mono. FEP	 102-001 - 102-002 Mono. PET-FR	 102-020 thru -023 Mono. Halar®	 103-013 - 103-080 Yarn, Nomex®	 102-080 Mono. Ryton-R-7	 102-073 Yarn, Dacron®	 102-072 Yarn, Nylon	 102-051 Mono. PEEK	 103-062 Yarn, Nomex®	 100-022 Yarn, PTFE-Glass	 102-071 Yarn, Kevlar®
Halogen-Free	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Temperature Range	-55°C to +200°C	-55°C to +125°C	-65°C to +150°C	-55°C to +200°C	-65°C to +180°C	-62°C to +125°C	-20° to +170°	-65°C to +260°C	-60°C to +240°C	-204°C to +482°C	-73°C to +160°C
Tensile Strength (psi) Yield	3300	50,000	7000	90,000	19,000	10,000	12,400	13,000	90,000	450,000	400,000
Elongation Percentage	50%	20%	15%	25%	40%	12%	20%	38%	25%	5%	3.6%
Chemical Resistance	Excellent	Good	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Outstanding	Excellent	Excellent
Abrasion Resistance	Good	Good	Excellent	Good	Excellent	Fair	Excellent	Excellent	Excellent	Excellent	Good
Weight / Duty (specific gravity)	Heavy (2.17)	Medium (1.38)	Medium (1.68)	Medium (1.58)	Light (1.25)	Medium (1.38)	Light (1.14)	Light (1.3)	Medium (1.58)	Heavy (2.5)	Medium (1.44)
Flammability	Very Low	Flammable Self-Extinguishing	Very Low	Will Not Melt	Very Low	Flammable	Flammable	Very Low	Will Not Melt, Self-Extinguishing	Will Not Burn	Will Not Melt

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