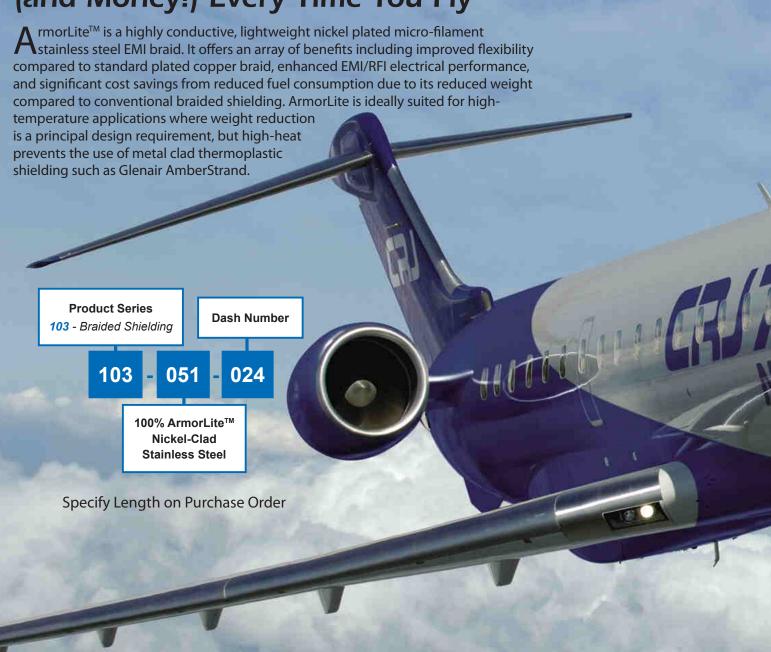
ArmorLiteTM EMI Shielding

Glenair Stainless Steel ArmorLite™ EMI/RFI Micro-Filament Shielding Saves Weight (and Money!) Every Time You Fly







100% ArmorLite Nickel Plated 103-051 Specification

Tensile Strength	220,000 psi (min.)	ISO 37	
Ultimate Elongation	2.5% (min)	ISO 37	
Operating Temperature	-80°C to +260°C	85% Shielding effectiveness 1000 hours	
Specific Gravity	8.2cm ³ (max.)	ISO 1183	
Thermal Cycling	No adverse effects in visual inspection or resistance after 50 cycles	-80°C to +260°C	
Lightning Current	Glenair Qual. Test Report	ANSI/EIA-364-75-1977 Wave Form 5B	
Surface Transfer Impedance	Glenair Qual. Test Report	IEC 600096-1, Amendment 2	
Vertical Flammability	Self extinguishing ≤ 2 sec Burn length 0.1 in max Dripping 0.0 seconds. Exceeds Specification	14 CFR part 25.853 (a) AMdT25-116 Appendix F Part I (a) (1) (ii)	
Mass Loss and Collected Volatile Condensable Materials	1.0% max. mass; .10% max CVCM	ASTM E-595	

Flex Test 50,000 cycles	No tearing or visible damage	90° - 120° bend
Salt Spray 500 hrs.	DC Resistance IAW AS85049 .5 milliohm; No evidence of base metal on braid	ASTM B117-03 Sodium Chloride 5%
JP-8 (MIL-T-83133) Military Jet Aircraft Fuel (70°C)	No fraying, DC resistance within limits (AS85049 paragraph 4.6.3)	MIL-STD 810F Method 504 (modified)
Hydraulic Fluid MIL-H-5606 (70°C)	No fraying, DC resistance within limits (AS85049 paragraph 4.6.3)	MIL-STD 810F Method 504 (modified)
Silicate Ester Base Coolanol 25R (70°C)	No fraying, DC resistance within limits (AS85049 paragraph 4.6.3)	MIL-STD 810F Method 504 (modified)
Polyalphaolefin MIL-C-87252 (70°C)	No fraying, DC resistance within limits (AS85049 paragraph 4.6.3)	MIL-STD 810F Method 504 (modified)

103-051 Fluid Test Resistance

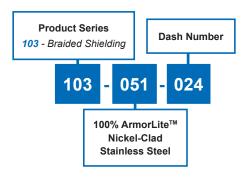
Test results, Mil-Std 810F Method 504 (modified), for all Substances Listed Below: No fraying, DC resistance within limits (AS85049 paragraph 4.6.3)

Lubricating Oil Mil-L-23699 8 hrs @ 150°C, followed by 72 hrs @ 65°C Isopropyl Alcohol 8 hrs @ 50°C, followed by 72 hrs @ 65°C Cleaner Fluid Mil-C-85570 8 hrs @ 23°C, followed by 72 hrs @ 65°C De-Icer Fluid AMS-1432 8 hrs @ 23°C, followed by 72 hrs @ 65°C Fire Extinguishing Foam 8 hrs @ 23°C, followed by 72 hrs @ 65°C R-134 Refrigerant 8 hrs @ 23°C, followed by 72 hrs @ 65°C

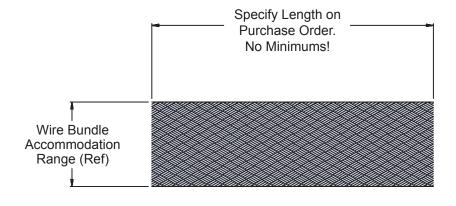
103-051 ArmorLite™ EMI/RFI Lightweight Stainless Steel Braided Shielding (100%)

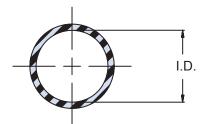


TABLE I					
Dash Number	Nominal I.D. (Ref.)	Ref. Wire Bundle Range	Approximate Grams Per Foot		
002	.062 (1.6)	.040 (1.0) .075 (1.9)	.9		
004	.125 (3.2)	.093 (2.4) .140 (3.5)	1.2		
008	.250 (6.4)	.125 (3.2) .312 (7.9)	1.9		
012	.375 (9.5)	.250 (6.4) .406 (10.3)	2.8		
016	.500 (12.7)	.375 (9.5) .560 (14.2)	4.4		
020	.625 (15.9)	.375 (9.5) .700 (17.8)	4.5		
024	.750 (19.1)	.500 (12.7) .800 (20.3)	7.6		
032	1.000 (25.4)	.780 (19.8) 1.100 (27.9)	11.6		
040	1.250 (31.8)	.938 (23.8) 1.312 (33.3)	12.9		
048	1.500 (38.1)	1.187 (30.1) 1.590 (40.4)	16.7		
064	2.000 (50.8)	1.312 (33.3) 2.090 (53.1)	22.8		



Specify Length on Purchase Order





APPLICATION NOTES

- 1. Marking Label individual packages.
- 2. Material Nickel Clad/Stainless Steel, silver color. Braid angle all sizes 40° 50° .
- 3. ArmorLite[™] is made from microCLAD[®] nickel-plated stainless steel.
- 4. Metric dimensions (mm) are in parentheses and for reference only.

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