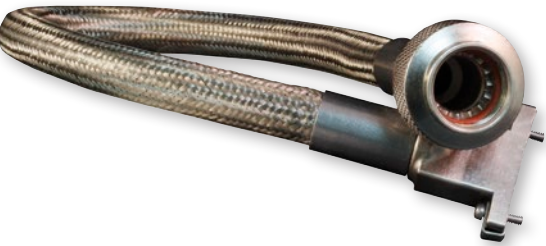


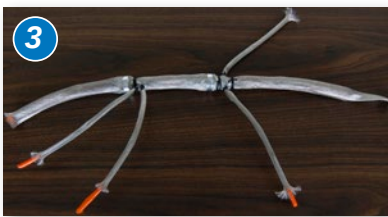
Microfilament nickel-clad stainless steel
EMI/RFI braided shielding

ARMORLITE™



- Ultra-lightweight EMI/RFI braiding for high-temperature applications -80°C to +260°C
- Microfilament stainless steel: 70% lighter than NiCu A-A-59569
- Outstanding EMI/RFI shielding and conductivity
- Reduce shielding weight up to 70% and more
- Superior flexibility and “windowing” resistance: 90 to 95% optical coverage
- 220,000 psi (min) tensile strength
- Best performing metallic braid during lightning tests (Run to ANSI/EIA-364-75-1997 Waveform 5B)

Save weight and money every time you fly! Aircraft All-Up-Weight (AUW) has met its match: ArmorLite™ microfilament stainless steel braid saves pounds compared to standard QQ-B-575/A-A-59569 EMI/RFI shielding.



Choose user-installable microfilament tubular braid in twelve standard diameters. Assemble per standard multi-branch cable shielding processes, as above.



Glenair can also offer ArmorLite™ users direct factory overbraiding services for both point-to-point as well as multi-branch assemblies.

100%
ArmorLite™
103 - 051 - 024
Diameter Dash
Number



A single layer of ArmorLite™ Shields from 40dB to 80dB in Frequency Ranges from 30kHz to 2.5GHz

Microfilament nickel-clad stainless steel
EMI/RFI braided shielding

Aircraft Utilization Analysis

Comparison of ArmorLite™ nickel clad stainless steel braid to A-A-59569 Ni/Cu braid

Where is all the EMI/RFI braid deployed in a typical commercial aircraft?									
Diameter (in)	L Wing	R Wing	Fwd Belly	Aft Belly	HYD Bay	Aft Barrel	Tail	V/H Stab	Totals (in)
0 - 0.25	1852.2	1852.2	0	2811.4	168.2	2015.2	2480.6	1385	12564.8
0.25 - 0.5	434.8	434.8	511.6	1034.6	257.4	506.2	958.2	1121.7	5259.3
0.5 - 0.75	0	0	260.9	223	0	184.2	392.4	152.1	1212.6
0.75 - 1.0	0	0	77.2	0	0	1198	162.2	0	1437.4
1.0 - 1.5	0	0	0	0	0	446	21	0	467

How much would all this braid weigh if it was made of 36 AWG A-A-59569 NiCu?			
Diameter (in)	Weight (Lb/ft)	Length (in)	Weight (Lb)
0 - 0.25	0.02	12564.8	21.08
0.25 - 0.5	0.05	5259.3	21.17
0.5 - 0.75	0.07	1212.6	7.12
0.75 - 1.0	0.14	1437.4	16.88
1.0 - 1.5	0.18	467	7.05
Total weight			73.30 Lbs

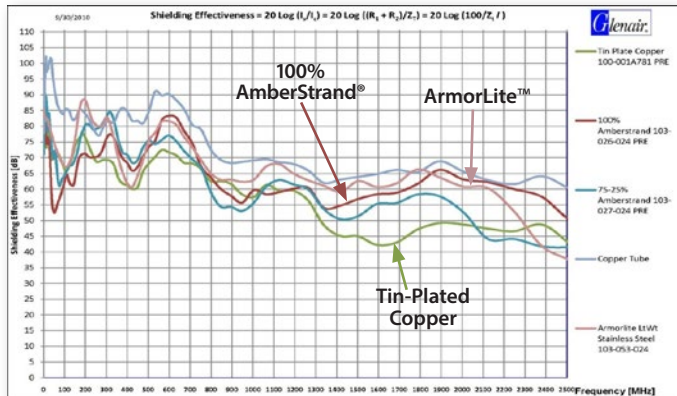
How much would all this braid weigh if it was made of ArmorLite™ Micro Stainless Steel Braided Shielding?			
Diameter (in)	Weight (Lb/ft)	Length (in)	Weight (Lb)
0 - 0.25	.00507	12564.8	5.309
0.25 - 0.5	.0097	5259.3	4.251
0.5 - 0.75	.0178	1212.6	1.737
0.75 - 1.0	.0256	1437.4	3.063
1.0 - 1.5	.0368	467	1.434
Total weight			15.794 Lbs



The lightest ground straps in the industry: Silver or nickel plated

- Thermal Cycling: No Adverse Effects
- Flame: Self Extinguishing
- Flex Test: 50,000 Cycles
- Salt Spray: 500 Hours
- 70+% Lighter than NiCu QQ-B-575/A-A-59569
- Enhanced EMI/RFI Electrical Performance (DC resistance 1 Ohm/ft).

Shielding Effectiveness
For EMI/RFI Braiding Solutions - 0 MHz to 2500 MHz Range



Surface Transfer Impedance
For EMI/RFI Braiding Solutions - 0 MHz to 2500 MHz Range

