

Aircraft All-Up Weight (AUW) has Met its Match: ArmorLite™ Micro-Filament Stainless Steel Braid Saves Pounds Compared to Standard QQB-A-A-59569 EMI/RFI Shielding

ARMORLITE™



*Shields from
40db to 80db
in Frequency
Ranges from
100Khz to 2.5GHz*

High-Temperature Tolerant ArmorLite™ Reduces Weight in Shielded Interconnect Cables

ArmorLite™ is an expandable, ultra-flexible, high-strength, conductive stainless steel micro-filament material designed for use as EMI/RFI shielding in high-performance interconnect cabling. The principal benefit of ArmorLite™ is its extreme lightweight compared to conventional Tin/Copper shielding. By way of comparison, 100 feet of 5/8 inch ArmorLite™ is more than four pounds lighter than standard QQB A-A-59569 shielding. Plus, ultra-flexible ArmorLite™ offers superior temperature tolerance compared to lightweight non-metallic braiding such as AmberStrand™.

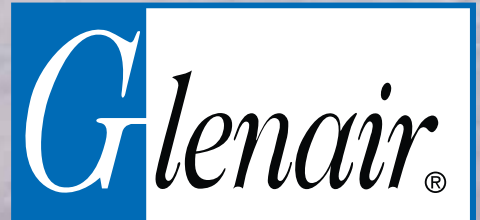
- Tensile Strength: 220,000 psi (min)
- Ultimate Elongation: 2.5% (min)
- Operating Temp: -80C to 260C
- Thermal Cycling: No Adverse Effects
- Flame: Self Extinguishing
- Specific Gravity: 8.2% (max)
- Flex Test: 50,000 Cycles
- Salt Spray: 500 Hours

GLENAIR, INC.

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SERIES 103

ARMORLITE™

Lightweight EMI/RFI Microfilament Nickel Clad Stainless Steel Shielding

- **60% Lighter than QQB/A-A-59569**
- **Outstanding EMI/RFI Shielding and Conductivity**
- **Broader Temperature Range: -80°C to +260°C**
- **Highly Corrosion Resistant**
- **Superior Flexibility and “Windowing” Resistance**



Specify Length on Purchase Order

ArmorLite™ 103-051 Compared to
Tinned Copper 100-001

| Dash Number | Braid Diameter | ArmorLite™ 103-051 | Tinned Copper 100-001 | % Weight Savings per Foot |
|-------------|----------------|--------------------|-----------------------|---------------------------|
| 002 | .062 | .9 | 1.9 | 52% |
| 004 | .125 | 1.5 | 4.8 | 69% |
| 008 | .250 | 2.3 | 16.1 | 84% |
| 012 | .375 | 2.9 | 18.5 | 84% |
| 016 | .500 | 4.4 | 22.3 | 80% |
| 020 | .625 | 4.5 | 27.7 | 84% |
| 024 | .750 | 7.8 | 34.3 | 77% |
| 032 | 1.000 | 11.6 | 35.0 | 67% |

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