

FLEXIBLE · DURABLE · CORROSION-FREE

ARMORLITE™

Flexible nickel-clad microfilament stainless steel
conductive braid material for ESD bond applications



For most grounding and bonding applications, Glenair recommends short, wide ArmorLite strap configurations for best electrical performance.



ArmorLite is an innovative material ideally suited for ESD bonding as well as surge current grounding. The nickel-clad stainless steel microfilament material saves significant weight compared to standard QQ-B-575 copper material. A 100% ArmorLite bond strap, for example, is more than 70% lighter than a conventional plated copper solution of the same length.

Flexible, durable ArmorLite ESD bond straps are supplied in material blends optimized for the moderate current and resistance requirements of electrical potential bonding in aerospace applications. ArmorLite at 100% is the lightest weight of the four available blends. The 75/25 and 50/50 blends of ArmorLite and nickel copper improve current capacity for grounding applications at the cost of some additional weight. ArmorLite CF is a special construction of high-conductivity copper microfilaments with stainless steel cladding which offers optimal corrosion resistance, increased current capacity, and reduced resistance.

- **Ultra-lightweight** EMI/RFI braiding material for high-temperature applications -80°C to +260°C
- **Microfilament stainless steel: 70% lighter** than NiCu A-A-59569/QQB575
- **Good electrical performance:** shielding, conductivity, and grounding
- **Commercial and military aerospace qualifications**
- **Superior flexibility** and “windowing” resistance
- **Strong:** 70,000 psi (min.) tensile strength
- **Outstanding lightning strike performance** — ANSI/EIA-364-75-1997 Waveform 5B