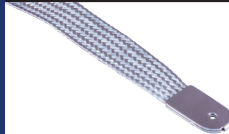
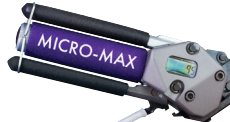


# ARMORLITE AND OTHER MATERIALS Ground Straps, Bonds, and Tubular Shielding



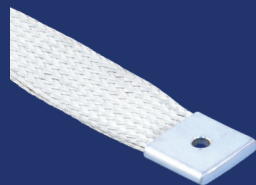
Flexible braided Glenair signature lightweight designs

|                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>107-105</b><br/>100% ArmorLite Lightweight Ground Strap / ESD Bond, Microfilament SS Braid, Nickel Plating, Configurable Crimp Lugs<br/>Page 212</p>    |  <p><b>107-102</b><br/>Industry-Standard Weight and Duty Ground Strap / ESD Bond, Silver-Plated Copper Braid, Configurable Crimp Lugs<br/>Page 220</p> |
|  <p><b>107-322</b><br/>100% ArmorLite Lightweight Ground Strap / ESD Bond, Microfilament SS Braid, Silver Plating, Radiused Lugs<br/>Page 215</p>              |  <p><b>107-051</b><br/>100% ArmorLite Lightweight Tubular Braided EMI/RFI Cable Shielding, Nickel-Clad Microfilament Stainless Steel<br/>Page 223</p>  |
|  <p><b>107-108</b><br/>ArmorLite CF Lightweight Ground Strap / ESD Bond, Microfilament Copper Braid, Nickel Plating, Configurable Crimp Lugs<br/>Page 217</p> |  <p><b>Band-Master ATS Shield Termination System</b><br/>Page 224</p>                                                                                 |

## GROUND STRAP AND ESD BOND MATERIAL COMPARISON



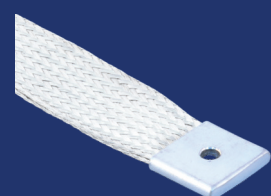
**107-105**  
ArmorLite 100%  
Best Weight Reduction



**107-322**  
ArmorLite Ag  
Lowest Resistance



**107-108**  
ArmorLite CF  
Best Corrosion Protection



**107-102**  
Standard-Duty Cu/Ag  
Lowest Cost

## ARMORLITE™ TUBULAR BRAIDED SHIELDING: WEIGHT ANALYSIS

Using ArmorLite™ in place of standard nickel-copper braid saves 54.6 pounds per system—up to 78% weight savings!

| Length and Weight of NiCu Braid |                |             |             |
|---------------------------------|----------------|-------------|-------------|
| 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                    |                |             | 73.3        |

| Weight Savings Using ArmorLite™ (Equivalent Lengths) |                |             |             |
|------------------------------------------------------|----------------|-------------|-------------|
| 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      |