

LIGHTWEIGHT, FLEXIBLE ArmorLite™ Microfilament Braid



103-071 50% ArmorLite, 50% Nickel/Copper EMI/RFI microfilament stainless steel braided shielding

103-071 ARMORLITE™ LIGHTWEIGHT EMI/RFI MICROFILAMENT STAINLESS STEEL / NICKEL COPPER BRAIDED SHIELDING



| How To Order | | | | |
|----------------------------|---|------|------|---|
| Sample Part Number | 103 | -071 | -024 | S |
| Product Code | Lightweight Braid Series | | | |
| ArmorLite™ | -071 = 50% ArmorLite™ / 50% Nickel-Copper | | | |
| Braid Diameter Dash Number | See Table | | | |
| Silver Clad Option | S = 50% ArmorLite / 50% silver-plated copper Omit for standard nickel clad | | | |

A

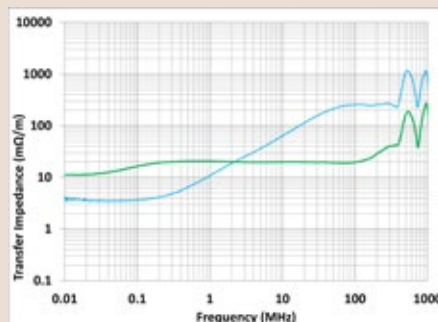
| ArmorLite™ -071 vs. nickel-plated copper braid | | | |
|---|--|---|------------------------------|
| Braid Dia. | ArmorLite™ 103-071 grams per foot (approx.) | Nickel-Copper 100-003 grams per foot (approx.) | % Weight Savings/ Foot |
| .062 | 2.1 | 1.9 | 16% |
| .109 | 2.4 | 3.7 | 35% |
| .125 | 2.5 | 4.8 | 63% |
| .250 | 3.6 | 16.1 | 83% |
| .375 | 5.1 | 18.5 | 81% |
| .500 | 7.5 | 22.3 | 76% |
| .625 | 7.7 | 27.7 | 79% |
| .750 | 10.0 | 34.3 | 78% |
| 1.000 | 15.5 | 35.0 | 63% |
| 1.250 | 16.8 | 44.0 | 65% |
| 1.500 | 27.9 | 51.0 | 61% |
| 2.000 | 30.2 | 60.0 | 59% |

| Dash Number - Diameter, Wire Bundle and Weight | | | |
|--|---------------------|-----------------------------|--------------------|
| Dash No. | Nominal I.D. (ref.) | Wire Bundle Range (ref.) | Approx. Grams/Foot |
| -001 | .031 (0.8) | .025 (0.6) – .062 (1.6) | 1.8 |
| -002 | .062 (1.6) | .040 (1.0) – .075 (1.9) | 2.1 |
| -003 | .109 (2.8) | .075 (1.9) – .125 (3.2) | 2.4 |
| -004 | .125 (3.2) | .093 (2.4) – .140 (3.5) | 2.5 |
| -008 | .250 (6.4) | .125 (3.2) – .312 (7.9) | 3.6 |
| -012 | .375 (9.5) | .250 (6.4) – .406 (10.3) | 5.1 |
| -016 | .500 (12.7) | .375 (9.5) – .560 (14.2) | 7.5 |
| -020 | .625 (15.9) | .375 (9.5) – .700 (17.8) | 7.7 |
| -024 | .750 (19.1) | .500 (12.7) – .800 (20.3) | 10.0 |
| -032 | 1.000 (25.4) | .780 (19.8) – 1.100 (27.9) | 15.5 |
| -040 | 1.250 (31.8) | .938 (23.8) – 1.312 (33.3) | 16.8 |
| -048 | 1.500 (38.1) | 1.187 (30.1) – 1.590 (40.4) | 27.9 |
| -064 | 2.000 (50.8) | 1.312 (33.3) – 2.090 (53.1) | 30.2 |

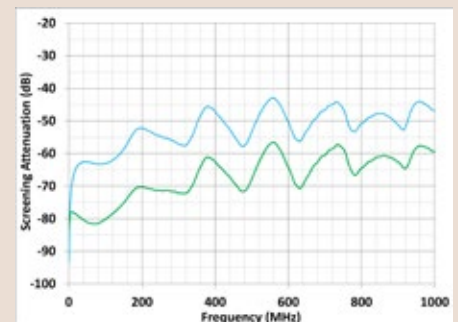


- 70+% weight savings over NiCu braid
- Outstanding EMI/RFI shielding and conductivity
- Broad temperature range: -80°C to +200°C
- Highly corrosion resistant
- Superior flexibility and “windowing” resistance

Transfer Impedance Comparison (Z_T) Size 16



Screening Attenuation Comparison (A_S) Size 16



— 103-071-016 50% ArmorLite / 50% NiCu — 100-003A500 NiCu Tested per IEC 62153-4-3Ed2

NOTES

1. Material - 50% ArmorLite™ nickel-clad 316L stainless steel / 50% nickel plated copper.
S Option - 50% ArmorLite™ nickel-clad 316L stainless steel / 50% silver plated copper.
ArmorLite™ is a trademark of Glenair, Inc.
2. Specify length on purchase order. No minimums!