

LIGHTWEIGHT, FLEXIBLE

ArmorLite™ Microfilament Braid



103-052 75% ArmorLite, 25% Nickel/Copper EMI/RFI microfilament stainless steel braided shielding

103-052 ARMORLITE™ LIGHTWEIGHT EMI/RFI MICROFILAMENT STAINLESS STEEL / NICKEL COPPER BRAIDED SHIELDING



How To Order				
Sample Part Number	103	-052	-024	S
Product Code	Lightweight Braid Series			
ArmorLite™	-052 = 75% ArmorLite™ / 25% Nickel-Copper			
Braid Diameter Dash Number	See Table			
Silver Clad Option	S = 75% ArmorLite / 25% silver-plated copper Omit for standard nickel clad			

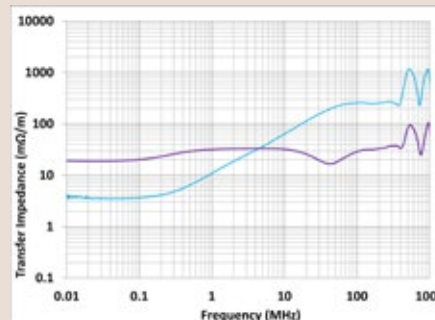
ArmorLite™ -052 vs. nickel-plated copper braid			
Braid Dia.	ArmorLite™ 103-052 grams per foot (approx.)	Nickel-Copper 100-003 grams per foot (approx.)	% Weight Savings/ Foot
.062	1.6	1.9	16%
.125	1.8	4.8	63%
.250	2.8	16.1	83%
.375	3.5	18.5	81%
.500	5.4	22.3	76%
.625	5.7	27.7	79%
.750	7.5	34.3	78%
1.000	13.1	35.0	63%
1.250	15.8	44.0	65%
1.500	19.7	51.0	61%
2.000	24.4	60.0	59%

Dash Number - Diameter, Wire Bundle and Weight			
Dash No.	Nominal I.D. (ref.)	Wire Bundle Range (ref.)	Approx. Grams/Foot
-002	.062 (1.6)	.040 (1.0) – .075 (1.9)	1.6
-004	.125 (3.2)	.093 (2.4) – .140 (3.5)	1.8
-008	.250 (6.4)	.125 (3.2) – .312 (7.9)	2.8
-012	.375 (9.5)	.250 (6.4) – .406 (10.3)	3.5
-016	.500 (12.7)	.375 (9.5) – .560 (14.2)	5.4
-020	.625 (15.9)	.375 (9.5) – .700 (17.8)	5.7
-024	.750 (19.1)	.500 (12.7) – .800 (20.3)	7.5
-032	1.000 (25.4)	.780 (19.8) – 1.100 (27.9)	13.1
-040	1.250 (31.8)	.938 (23.8) – 1.312 (33.3)	15.8
-048	1.500 (38.1)	1.187 (30.1) – 1.590 (40.4)	19.7
-064	2.000 (50.8)	1.312 (33.3) – 2.090 (53.1)	24.4

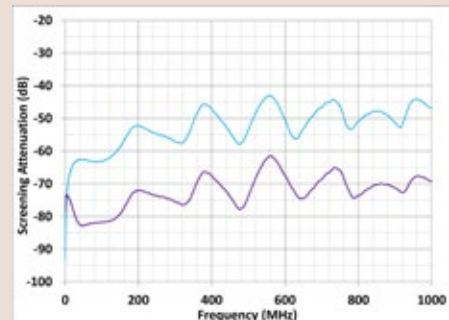
ARMORLITE™

- 70+% weight savings over NiCu braid
- Outstanding EMI/RFI shielding and conductivity
- Broader 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



— 103-052-016 75% ArmorLite / 25% NiCu — 100-003A500 NiCu Tested per IEC 62153-4-3Ed2

NOTES

1. Material - 75% ArmorLite™ nickel-clad 316L stainless steel / 25% nickel plated copper.
S Option - 75% ArmorLite™ nickel-clad 316L stainless steel / 25% silver plated copper.
ArmorLite™ is a trademark of Glenair, Inc.
2. Specify length on purchase order. No minimums!