

# LIGHTWEIGHT, FLEXIBLE ArmorLite™ Microfilament Braid



## 103-051 100% ArmorLite EMI/RFI microfilament stainless steel braided shielding



### 103-051 ARMORLITE™ LIGHTWEIGHT EMI/RFI MICROFILAMENT STAINLESS STEEL BRAIDED SHIELDING

How To Order				
Sample Part Number	103	-051	-024	S
Product Code	Lightweight Braid Series			
ArmorLite™	-051 = 100% ArmorLite™ Nickel-Clad Stainless Steel			
Braid Diameter Dash Number	See Table			
Silver Clad Option	S = silver clad Omit for standard nickel clad			

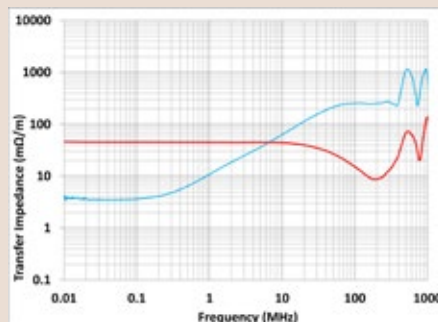
ArmorLite™ -051 vs. nickel-plated copper braid			
Braid Dia.	ArmorLite™ 103-051 grams per foot (approx.)	Nickel-Copper 100-003 grams per foot (approx.)	% Weight Savings/ Foot
.031	.5	.9	44%
.062	1.2	1.9	37%
.125	1.6	4.8	67%
.250	2.3	16.1	86%
.375	3.0	18.5	84%
.500	4.6	22.3	79%
.625	5.0	27.7	82%
.750	6.0	34.3	83%
1.000	11.9	35.0	66%
1.250	14.5	44.0	67%
1.500	17.9	51.0	65%
2.000	23.6	60.0	61%

Dash Number - Diameter, Wire Bundle and Weight					
Dash No.	Nominal I.D. (ref.)	Wire Bundle Range (ref.)	Approx. Grams/Foot Nickel Clad	Approx. Grams/Foot Silver Clad	Approx. Milliohms/Meter
-001	.031 (.8)	.016 (.4) .047 (1.2)	.52	.53	355
-002	.062 (1.6)	.040 (1.0) .075 (1.9)	1.19	1.23	129
-004	.125 (3.2)	.093 (2.4) .140 (3.5)	1.55	1.60	109
-008	.250 (6.4)	.125 (3.2) .312 (7.9)	2.28	2.35	65
-012	.375 (9.5)	.250 (6.4) .406 (10.3)	3.00	3.10	49
-016	.500 (12.7)	.375 (9.5) .560 (14.2)	4.56	4.70	33
-020	.625 (15.9)	.375 (9.5) .700 (17.8)	4.97	5.13	32
-024	.750 (19.1)	.500 (12.7) .800 (20.3)	6.00	6.19	25
-032	1.000 (25.4)	.780 (19.8) 1.100 (27.9)	11.9	12.3	13
-040	1.250 (31.8)	.938 (23.8) 1.312 (33.3)	14.5	15.0	11.3
-048	1.500 (38.1)	1.187 (30.1) 1.590 (40.4)	17.9	18.5	9
-064	2.000 (50.8)	1.312 (33.3) 2.090 (53.1)	23.6	24.4	5

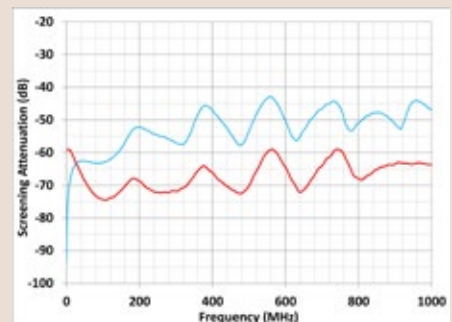


- 70+% weight savings over NiCu braid
- Outstanding EMI/RFI shielding and conductivity
- Broader temperature range: -80°C to +260°C
- Highly corrosion resistant
- Superior flexibility and "windowing" resistance

Transfer Impedance Comparison ( $Z_T$ ) Size 16



Screening Attenuation Comparison ( $A_S$ ) Size 16



— 103-051-016 ArmorLite™ — 100-003A500 NiCu Tested per IEC 62153-4-3Ed2

#### NOTES

1. Material - ArmorLite™ nickel-clad 316L stainless steel. ArmorLite™ is a trademark of Glenair, Inc.
2. Specify length on purchase order. No minimums!