

LIGHTWEIGHT, FLEXIBLE

# AmberStrand® Composite Braid



103-026 100% AmberStrand

EMI/RFI microfilament composite braided shielding

## 103-026 AMBERSTRAND® 100% COMPOSITE BRAID

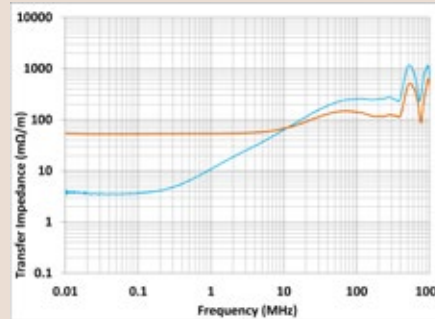


- Electrically conductive
- Superior high-frequency shielding in high temperature applications
- Comparable shielding performance to 36 AWG tubular copper braid
- Lightweight, corrosion-free
- Weight savings up to 88% / foot compared to standard nickel-copper braid

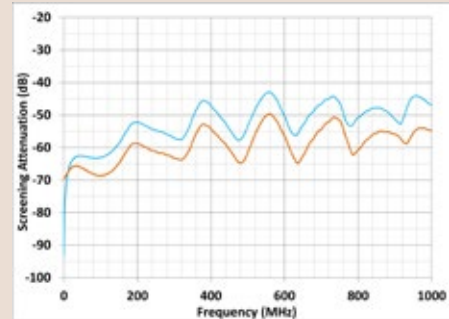
How To Order				
Sample Part Number	103	-026	-008	S
Basic No.	Braided shielding			
AmberStrand®	-026 = 100% AmberStrand®			
Braid Diameter No.	See Table I			
Silver Clad Option	S = silver clad Omit for none			

AmberStrand 100% 103-026 - Diameter, Wire Bundle and Weight							
Dash No.	Nominal I.D. (ref.)	Wire Bundle Range (ref.)	Grams per Foot (approx.)	Dash No.	Nominal I.D. (ref.)	Wire Bundle Range (ref.)	Grams per Foot (approx.)
-001	.031 (.8)	.016 (.4) .047 (1.2)	0.4	-020	.625 (15.9)	.375 (9.5) .700 (17.8)	4.4
-002	.062 (1.6)	.040 (1.0) .075 (1.9)	0.6	-024	.750 (19.1)	.500 (12.7) .830 (21.1)	5.2
-004	.125 (3.2)	.093 (2.4) .140 (3.5)	1.0	-032	1.000 (25.4)	.780 (19.8) 1.100 (27.94)	8.0
-008	.250 (6.4)	.125 (3.2) .312 (7.9)	1.8	-040	1.250 (31.8)	.938 (23.8) 1.312 (33.3)	10.0
-012	.375 (9.5)	.325 (8.2) .437 (11.1)	2.3	-048	1.500 (38.1)	1.187 (30.1) 1.590 (40.37)	15.2
-016	.500 (12.7)	.375 (9.5) .560 (14.2)	3.7	-064	2.000 (50.8)	1.312 (33.3) 2.090 (53.08)	22.0

Transfer Impedance Comparison ( $Z_T$ ) Size 16



Screening Attenuation Comparison ( $A_s$ ) Size 16



— 103-026-016 100% AmberStrand — 100-003A500 NiCu Tested per IEC 62153-4-3

AmberStrand® 100% vs. nickel-coated copper			
Braid Dia.	AmberStrand® 100% 103-026	Nickel-Copper 100-003	% Weight Savings/ Foot
.062	.6	1.9	68%
.125	1.0	4.8	79%
.250	1.8	16.1	88%
.375	2.3	18.5	87%
.500	3.7	22.3	83%
.625	4.4	27.7	84%
.750	5.2	34.3	85%
1.000	8.0	35.0	77%



100% AmberStrand® lightweight composite metal-clad microfilament braid is Glenair's lightest weight material for EMI/RFI shielding applications

### NOTES

Material: Nickel- or silver-clad AmberStrand® composite fibers, amber color.  
AmberStrand® is a registered trademark of Syscom Advanced Materials, Inc.