

# INDUSTRY-STANDARD METALLIC EMI/RFI Braided Shielding 100-003 nickel/copper braid



## 100-003 TUBULAR METAL BRAID ASTM B355 CLASS 7 OFHC DRAWN NICKEL PLATED COPPER



How To Order				
Sample Part Number	100-003	A	203	L
Basic No.	Nickel/Copper Braid			
Wire Gage Code	A = 36 AWG B = 34 AWG C = 32 AWG (consult factory) D = 30 AWG (consult factory)			
Braid Diameter No.	See Tables I or II			
Lanyard Option	L = with lanyard    Omit = no lanyard			



- Soft-drawn nickel-plated copper braid
- EMI frequency effective from 10KHz to 1 GHz
- 200°C temperature tolerant
- 125 lbs. pull strength (.500 dia. braid)
- 500 hours salt spray corrosion resistant



Highly conductive nickel-plated copper braid is preferred for its superior handling of temperature cycles above 150°C. Nickel plating is highly resistant to oxidation and will maintain an attractive appearance over time.

Table I: 36 AWG					
Dash No.	Nominal I.D.	Carriers per Layer	Ends per Layer	Current Rating Amps	Lbs. per 100 ft.
031	.031 (0.8)	24	24	7.0	.20
062	.062 (1.6)	24	48	11.0	.40
078	.078 (2.0)	24	72	16.0	.60
109	.109 (2.8)	24	96	19.0	.83
125	.125 (3.2)	24	120	25.0	1.03
156	.156 (4.0)	24	240	40.0	2.09
171	.171 (4.3)	24	168	32.0	1.43
188	.188 (4.8)	24	192	33.0	1.63
203	.203 (5.2)	24	312	46.0	2.80
250	.250 (6.4)	24	384	53.0	3.45
312	.312 (7.9)	48	288	42.0	2.58
375	.375 (9.5)	48	384	53.0	3.95
437	.437 (11.1)	48	432	57.0	4.28
500	.500 (12.7)	48	528	62.0	4.77
562	.562 (14.3)	48	624	73.0	5.00
625	.625 (15.9)	48	720	85.0	5.94
750	.750 (19.1)	48	768	87.0	6.47
781	.781 (19.8)	48	864	88.0	7.35
937	.937 (23.8)	64	640	65.0	5.83
1000	1.000 (25.4)	64	768	90.0	7.50
1125	1.125 (28.6)	72	792	93.0	7.73
1250	1.250 (31.8)	72	792	93.0	7.73
1375	1.375 (34.9)	72	864	101.0	8.43
1500	1.500 (38.1)	72	936	110.0	9.14
1562	1.562 (39.7)	72	984	115.0	9.60
2000	2.000 (50.8)	96	1152	135.0	13.15
2500	2.500 (63.5)	96	1248	146.0	14.25

Table II: 34 AWG					
Dash No.	Nominal I.D.	Carriers per Layer	Ends per Layer	Current Rating Amps	Lbs. per 100 ft.
062	.062 (1.6)	16	32	11.0	.43
109	.109 (2.8)	16	64	19.0	.82
125	.125 (3.2)	24	72	19.0	.92
156	.156 (4.0)	24	144	38.0	1.94
171	.171 (4.3)	24	120	36.0	1.56
203	.203 (5.2)	24	192	46.0	2.79
250	.250 (6.4)	24	192	46.0	2.79
375	.375 (9.5)	48	240	53.0	3.27
437	.437 (11.1)	48	288	44.2	3.93
500	.500 (12.7)	48	336	62.0	4.77
781	.781 (19.8)	48	528	88.0	7.14
1000	1.000 (25.4)	64	576	95.0	7.33
1250	1.250 (31.8)	72	648	108.0	8.23
1500	1.500 (38.1)	72	720	119.0	9.14
1750	1.750 (44.4)	72	864	143.0	10.92
2000	2.000 (50.8)	72	1008	167.0	12.80

### NOTES

1. Direct current ratings are given for information only. Values shown are for uninsulated braid in free air, at 30°C (86°F). Actual values will depend on permissible temperature rise, voltage drop and other conditions of service. Values should be de-rated if the braid is insulated or in close contact with other components.
2. Material/Finish:  
 Braid - Copper/Nickel plated IAW ASTM B355 Class 7 OFHC  
 Lanyard - Synthetic fiber

# Mouser Electronics

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## Glenair:

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