

INDUSTRY-STANDARD METALLIC EMI/RFI Braided Shielding

100-004 stainless steel braid



- Soft-drawn stainless steel braid
- Good H Field EMI frequency effectiveness
- 260°C temperature tolerant
- 225 lbs. pull strength (.500 dia. braid)
- 1000 hours salt spray corrosion resistant
- Abrasion resistant



ASTM A580 Stainless Steel braid is an extremely tough, flexible, and strong alternative to plated braiding solutions. The material is resistant to abrasion and will not rust or discolor over time. Ideally suited for both environmental and high-temperature applications that demand advanced corrosion protection.

100-004 TUBULAR METAL BRAID ASTM A580 DRAWN STAINLESS STEEL

How To Order				
Sample Part Number	100-004	A	203	L
Basic No.	Tin/Copper Braid			
Wire Gage Code	A = 36 AWG B = 34 AWG			
Braid Diameter No.	See Tables I or II			
Lanyard Option	L = with lanyard Omit = no lanyard			

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	11.4	4.0
062	.062 (1.6)	24	48	17.0	8.0
078	.078 (2.0)	24	72	22.5	12.0
109	.109 (2.8)	24	96	28.0	16.6
125	.125 (3.2)	24	120	31.0	20.6
156	.156 (4.0)	24	240	49.0	41.8
171	.171 (4.3)	24	168	36.0	28.6
188	.188 (4.8)	24	192	46.0	32.6
203	.203 (5.2)	24	312	60.0	56.0
250	.250 (6.4)	24	384	68.0	69.0
375	.375 (9.5)	48	384	68.0	69.0
500	.500 (12.7)	48	528	80.0	95.4
625	.625 (15.9)	48	720	97.0	118.8
781	.781 (19.8)	48	864	121.0	147.0
937	.937 (23.8)	64	640	92.0	116.6
1000	1.000 (25.4)	64	768	112.0	134.0
1250	1.250 (31.8)	72	792	115.0	138.0
1500	1.500 (38.1)	72	936	134.0	162.0
2000	2.000 (50.8)	96	1152	165.0	200.0

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	18.0	8.6
109	.109 (2.8)	16	64	29.0	16.4
125	.125 (3.2)	24	72	30.0	18.4
171	.171 (4.3)	24	120	46.0	31.2
203	.203 (5.2)	24	192	59.0	55.8
375	.375 (9.5)	48	240	69.0	65.4
437	.437 (11.1)	48	288	76.0	78.6
500	.500 (12.7)	48	336	82.0	95.4
781	.781 (19.8)	48	528	118.0	142.8
1000	1.000 (25.4)	64	576	153.0	154.2

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 - Stainless Steel ASTM A580
Lanyard - Synthetic fiber