

INDUSTRY-STANDARD METALLIC EMI/RFI Braided Shielding

100-004 stainless steel braid



100-004 TUBULAR METAL BRAID ASTM A580 DRAWN STAINLESS STEEL



- 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.

How To Order				
Sample Part Number	100-004	A	203	L
Basic No.	Stainless Steel Braid			
Wire Gage Code	A = 36 AWG B = 34 AWG D = 30 AWG (Consult Factory)			
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	0.031	24	24	1.2	0.18
062	0.062	24	48	1.8	0.36
078	0.078	24	72	2.4	0.56
109	0.109	24	96	2.9	0.77
125	0.125	24	120	3.4	0.93
156	0.156	24	240	5.3	1.83
171	0.171	24	168	4.2	1.29
188	0.188	24	192	4.6	1.51
203	0.203	24	312	6.4	2.45
219	0.219	24	192	4.6	1.54
250	0.250	24	384	7.3	3.14
312	0.312	48	288	6.0	2.26
375	0.375	48	384	7.3	3.09
500	0.500	48	528	9.0	4.30
562	0.562	48	624	10.0	5.06
625	0.625	48	720	11.0	5.98
781	0.781	48	864	12.5	7.31
937	0.937	64	640	10.2	5.73
1000	1.000	64	768	11.5	6.87
1125	1.125	72	792	11.8	6.92
1250	1.250	72	792	11.8	7.18
1375	1.375	72	864	12.5	8.03
1500	1.500	72	936	13.1	8.91
2000	2.000	96	1152	15.1	10.97
2500	2.500	96	1248	15.9	12.06

Table II: 34 AWG					
Dash No.	Nominal I.D.	Carriers per Layer	Ends per Layer	Current Rating Amps	Lbs. per 100 ft.
062	0.062	16	32	1.9	0.40
109	0.109	16	64	3.0	0.88
125	0.125	24	72	3.3	0.88
171	0.171	24	120	4.6	1.52
203	0.203	24	192	6.3	2.40
250	0.250	24	192	6.3	2.50
375	0.375	48	240	7.2	3.05
437	0.437	48	288	8.2	3.72
500	0.500	48	336	9.1	4.35
781	0.781	48	528	12.2	7.10
1000	1.000	64	576	12.9	8.34
1250	1.250	72	648	14.0	9.79
1500	1.500	72	720	15.0	10.88
1750	1.750	72	864	16.9	12.50
2000	2.000	72	1008	18.7	15.40

NOTES

- 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.
- Material/Finish:
Braid - Stainless Steel ASTM A580
Lanyard - Synthetic fiber