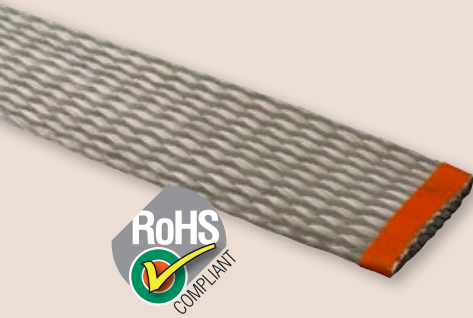


INDUSTRY-STANDARD METALLIC EMI/RFI Braided Shielding

100-001 tin-plated copper braid



100-001 TUBULAR METAL BRAID QQ-B-575B/A-A-59569 ASTM B298 DRAWN TIN PLATED COPPER



How To Order				
Sample Part Number	100-001	A	203	L
Basic No.	Tin/Copper Braid			
Wire Gage Code	A = 36 AWG D = 30 AWG B = 34 AWG E = 38 AWG C = 32 AWG F = 28 AWG (consult factory)			
Braid Diameter No.	See Tables I, II, III, IV, V			
Lanyard Option	L = with lanyard Omit = no lanyard			



- Soft-drawn tin-plated copper braid
- EMI frequency effective from 10KHz to 1 GHz
- 150°C temperature tolerant
- 125 lbs. pull strength (.500 dia. braid)
- 48 hours salt spray corrosion resistant
- Good abrasion resistance



Industry-standard tin-plated copper braid is the workhorse material for EMI/RFI shielding in non-weight-sensitive military and commercial applications with a 10KHz to 1GHz effective range and good abrasion resistance.

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
281	.281 (7.1)	24	216	35.0	1.80
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	56.0	4.22
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	816	86.0	6.69
781	.781 (19.8)	48	864	88.0	7.35
875	.875 (22.2)	64	640	75.0	5.44
937	.937 (23.8)	64	640	75.0	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	9.13
1562	1.562 (39.7)	72	984	115.0	9.60
1750	1.750 (44.5)	96	1152	135.0	11.24
2000	2.000 (50.8)	96	1152	135.0	11.24
2300	2.300 (58.4)	96	1248	146.0	12.18
2500	2.500 (63.5)	96	1248	146.0	12.18
2750	2.750 (69.9)	96	1248	146.0	13.15
3375	3.375 (85.7)	96	1440	168.0	14.05

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A

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
171	.171 (4.3)	24	120	36.0	1.56
188	.188 (4.8)	24	120	36.0	1.56
203	.203 (5.2)	24	192	46.0	2.79
250	.250 (6.4)	24	192	46.0	2.47
375	.375 (9.5)	48	240	53.0	3.27
437	.437 (11.1)	48	288	57.0	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
1125	1.125 (28.6)	72	648	108.0	8.44
1250	1.250 (31.8)	72	648	108.0	8.23
1500	1.500 (38.1)	72	720	120.0	9.14

Table III: 32 AWG					
Dash No.	Nominal I.D.	Carriers per Layer	Ends per Layer	Current Rating Amps	Lbs. per 100 ft.
062	.062 (1.6)	16	16	9.0	.32
109	.109 (2.8)	16	32	18.0	.63
125	.125 (3.2)	24	48	25.0	.95
171	.171 (4.3)	24	72	32.0	1.44
203	.203 (5.2)	24	120	46.0	2.38
250	.250 (6.4)	24	144	46.0	2.29
312	.312 (7.9)	24	144	46.0	2.86
375	.375 (9.5)	48	144	46.0	3.07
437	.437 (11.1)	24	240	90.0	4.76
500	.500 (12.7)	48	192	62.0	4.10
781	.781 (19.8)	48	336	88.0	7.17
1000	1.000 (25.4)	48	384	100.0	7.90

Table IV: 30 AWG					
Dash No.	Nominal I.D.	Carriers per Layer	Ends per Layer	Current Rating Amps	Lbs. per 100 ft.
281	.281 (7.1)	24	120	60.0	3.56
375	.375 (9.5)	24	168	75.0	5.30
437	.437 (11.1)	24	240	90.0	7.64
500	.500 (12.7)	24	360	120.0	11.46
562	.562 (14.3)	48	480	145.0	14.08
656	.656 (16.7)	48	768	190.0	23.22
781	.781 (19.8)	48	336	89.0	10.90
875	.875 (22.2)	48	336	100.0	10.28
1000	1.000 (25.4)	48	384	120.0	12.40
1125	1.125 (28.6)	48	432	130.0	13.72
1250	1.250 (31.8)	48	480	140.0	15.25
1375	1.375 (34.9)	48	528	150.0	16.77
1500	1.500 (38.1)	48	576	165.0	18.29
2000	2.000 (50.8)	48	672	180.0	21.34

Table V: 38 AWG					
Dash No.	Nominal I.D.	Carriers per Layer	Ends per Layer	Current Rating Amps	Lbs. per 100 ft.
125	.125 (3.2)	24	168	TBD	.88
171	.171 (4.3)	24	240	TBD	1.16
203	.203 (5.2)	24	312	TBD	1.65
250	.250 (6.4)	24	288	TBD	1.44
375	.375 (9.5)	48	480	TBD	2.52
500	.500 (12.7)	48	624	TBD	3.28
625	.625 (15.9)	48	720	TBD	3.75
937	.937 (23.8)	64	640	TBD	3.04

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. Individual strands to be IAW ASTM-B33
3. Braid conforms to the requirements of A-A-59569
Copper - OHFC
Lanyard - Synthetic fiber

Mouser Electronics

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Glenair:

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