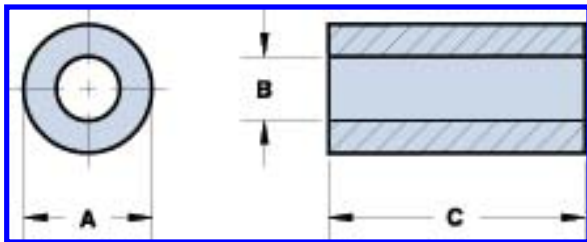


## Round Cable EMI Suppression Cores

Listed in ascending order of "B" dimension

**NOTE: We only have the item highlighted in Red**

Fair-Rite offers a broad selection of round cable EMI suppression cores with guaranteed impedance specifications over a wide frequency range.



The "H" column gives for each core size the calculated dc bias field in oersted for 1 turn and 1 ampere direct current. The actual dc H field in the application is this value of "H" times the actual NI (ampere - turn) product.

**Here**

for Impedance vs oersted curves for materials 73, 31, 43, 44 & 61

- Round cable EMI suppression cores are controlled for impedance limits only. They are tested for impedance with a single turn, using the Hewlett Packard HP 4193A Vector Impedance Meter for cores in 31, and 43 material and the HP 4191A RF Impedance Analyzer for 61 material cores.
- For smaller size cores, please refer to our EMI Suppression Beads..
- For any round cable EMI suppression core requirement not listed in the catalog, please contact our customer service group for availability and pricing.
- The Expanded Cable and Connector EMI Suppressor Kit (part number 019900005) contains a selection of these suppression cores.

**Dimensions in bold type are in millimeters, italic numbers are nominal in inches.**

Part Number**	Matl.	Typical Impedance ( $\Omega$ ) <sup>1</sup>				H (Oe)	Wt (g)	A	B	C*
		10MHz	25MHz	100MHz	250MHz					

2631480102	31	58	88	140	-	.52	4.8	12.3±0.4 .485	4.95 +0.25 .200	12.7±0.4 .500
2643480102	43	-	84	121	-	.52				
2631480002	31	115	175	295	-	.52	9.5	12.3±0.4 .485	4.95 +0.25 .200	25.4 ±0.75 1.000
2643480002	43	-	165	236	-	.52				
2643540702	43	-	30	50	-	.43	2.6	14.3 ±0.45 .562	6.35 ±0.25 .250	5.3-0.45 .200
2643540102	43	-	61	89	-	.43	5.1	14.3 ±0.45 .562	6.35 ±0.25 .250	10.15 ±0.4 .400
2631540202	31	58	88	140	-	.43	6.8	14.3 ±0.45 .562	6.35 ±0.25 .250	13.8-0.7 .530
2643540202	43	-	78	118	-	.43				
2661540202	61	-	-	125	180	.43				
2631540002	31	119	181	300	-	.43	14	14.3 ±0.45 .562	6.35 ±0.25 .250	28.6 ±0.75 1.125
2643540002	43	-	171	250	-	.43				
2661540002	61	-	-	250	310	.43				
2643540302	43	-	75	118	-	.41	7.5	14.3 ±0.45 .562	7.1 ±0.25 .280	15.25 ±0.4 .600
2643800302	43	-	26	42	-	.43	1.7	12.7 ±0.25 .500	7.15 ±0.2 .282	4.9-0.25 .188
2643540402	43	-	143	215	-	.40	14	14.3 ±0.45 .562	7.25 ±0.15 .286	28.6 ±0.75 1.125
2643801102	43	-	26	41	-	.40	2.1	12.7 ±0.25 .500	7.9±0.2 .312	6.35±0.2 .250
2643801902	43	-	44	73	-	.40	4.3	12.7 ±0.25 .500	7.9±0.2 .312	12.7±0.4 .500
2631625002	31	53	75	130	-	.36	8.7	16.25- 0.75 .625	7.9 ±0.25 .312	14.3 ±0.35 .562
2643625002	43	-	70	113	-	.36				

2631625102	31	103	156	260	-	.36	17	16.25- 0.75 .625	7.9 ±0.25 .312	28.6 ±0.75 1.125
2643625102	43	-	130	213	-	.36				
2643625202	43	-	235	384	-	.36	31	16.25- 0.75 .625	7.9 ±0.25 .312	50.8±0.1 2.000
2643665902	43	-	26	44	-	.32	4.5	17.45 ±0.4 .687	9.5 ±0.25 .375	6.35 ±0.25 .250
2643665802	43	-	55	88	-	.32	9.0	17.45 ±0.4 .687	9.5 ±0.25 .375	12.7±0.5 .500
2631665702	31	89	138	225	-	.32	20	17.45 ±0.4 .687	9.5 ±0.25 .375	28.6 ±0.75 1.125
2643665702	43	-	125	200	-	.32				
2661665702	61	-	-	156	260	.32				
2631626302	31	44	69	115	-	.29	12	19.0- 0.65 .735	10.15 ±0.25 .400	14.65- 0.75 .562
2643626302	43	-	63	96	-	.29				
2631626402	31	89	138	225	-	.29	23	19.0- 0.65 .735	10.15 ±0.25 .400	28.6 ±0.75 1.125
2643626402	43	-	128	196	-	.29				
2643626502	43	-	225	348	-	.29	41	19.0- 0.65 .735	10.15 ±0.25 .400	50.8±1.0 2.000
2643801502	43	-	34	53	-	.23	9.9	25.4 ±0.65 1.000	12.7 ±0.35 .500	6.35 ±0.25 .250
2643102402	43	-	110	183	-	.22	35	25.9 ±0.75 1.020	12.8 ±0.25 .505	21.3±0.5 .840
2661102402	61	-	-	169	275	.22				
2631102002	31	103	156	260	-	.22	46	25.9 ±0.75 1.020	12.8 ±0.25 .505	28.6±0.8 1.125
2643102002	43	-	145	235	-	.22				
2661102002	61	-	-	225	310	.22				
2643800602	43	-	24	44	-	.24	5.8	20.95 ±0.4 .825	13.2 ±0.3 .520	6.35±0.2 .250

2643800502	43	-	45	82	-	.24	11	20.95 ±0.4 .825	13.2 ±0.3 .520	11.9±0.4 .468
2643801802	43	-	25	45	-	.23	6.5	22.1±0.4 .870	13.8 ±0.3 .540	6.35±0.2 .250
2631101902	31	106	163	270	-	.21	56	28.5±0.6 1.122	13.7 ±0.3 .543	28.6±0.8 1.125
2643101902	43	-	145	230	-	.21				
2643801402	43	-	35	55	-	.20	11	25.4±0.6 1.000	15.5 ±0.5 .610	8.1±0.3 .320
2643806402	43	-	53	90	-	.20	17	25.4±0.6 1.000	15.5 ±0.5 .610	12.7±0.4 .500
2643251002	43	-	135	230	-	.16	84	39.1 ±0.75 1.540	16.75 ±0.5 .660	22.2±0.8 .875
2643801002	43	-	28	47	-	.17	12	29.0 ±0.75 1.142	19.0 ±0.5 .748	7.5±0.25 .295
2643801202	43	-	51	92	-	.17	23	29.0 ±0.75 1.142	19.0 ±0.5 .748	13.85 ±0.4 .545
2643804502	43	-	60	100	-	.17	33	31.1 ±0.75 1.225	19.05 ±0.5 .750	16.3- 0.75 .627
2643802702	43	-	48	80	-	.14	32	35.55 ±0.75 1.400	22.85 ±0.5 .900	12.7±0.4 .500
2643626102	43	-	120	224	-	.11	158	50.8±1.0 2.000	25.4 ±0.5 1.000	25.4 ±0.75 1.000
2643625902	43	-	145	254	-	.11	178	50.8±1.0 2.000	25.4 ±0.5 1.000	28.7 ±0.75 1.130
2643626202	43	-	193	336	-	.11	237	50.8±1.0 2.000	25.4 ±0.5 1.000	38.1 ±0.75 1.500

<b>2643626002</b>	<b>43</b>	<b>-</b>	<b>240</b>	<b>360</b>	<b>-</b>	<b>.11</b>	<b>315</b>	<b>50.8±1.0</b> <b>2.000</b>	<b>25.4</b> <b>±0.5</b> <b>1.000</b>	<b>50.8±1.0</b> <b>2.000</b>
2643803802	43	-	58	108	-	.09	105	61.0±1.3 2.400	35.55 ±0.75 1.400	12.7±0.5 .500

\* This dimension may be modified to suit specific applications.

<sup>1</sup> Guaranteed Z

Min is Z Typ -20%

\*\* Bold part numbers designate preferred parts.

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