

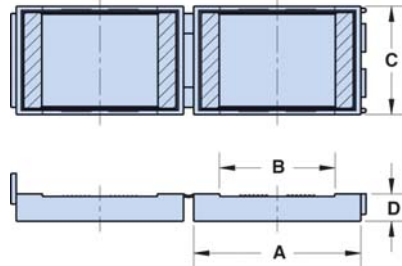
Flat Cable Snap-Its



Quick Link: www.fair-rite.com/fcs

Listed by frequency range and in ascending order of Cable width.

Flat cable snap-its for use on multi-conductor flat cables to suppress common-mode conducted EMI from 1MHz to hundreds of MHz. These flat cable snap-its are available in two ferrite materials, 31 and 43. The polypropylene cases are meeting the RoHS restrictions of hazardous substances and have a flammability rating of UL 94 V-0.



- Flat cable snap-it assemblies are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.
- Centered, single turn impedance tests on the 31 and 43 material parts are performed on the 4193A Vector Impedance Analyzer. **Cores are tested with the shortest practical wire length.**
- Performance curves for these suppression components are on our web site.
- The “Expanded Cable and Suppressor Kit” (Part number 0199000005) contains several flat cable snap-it assemblies.
- Explanation of Part Numbers: Digits 1&2 = product class and 3&4 = material grade.

Legend

Dimensions (Top numbers are in millimeters, bottom numbers are in nominal inches.)

+ Test frequency

Lower & Broadband Frequencies 1-300 MHz (31 material)

Part Number	Max. Cable Dimensions	A	B	C	D	Wt. (g)	Impedance (Ω)					
							1 MHz	5 MHz	10 MHz ⁺	25 MHz ⁺	100 MHz ⁺	250 MHz
0431163951	51.00 x 1.30 2.000 x 0.050	67.80 2.670	52.10 2.050	32.30 1.272	8.10 0.320	110.00	13	35	54	105	300	425
0431164051	64.00 x 1.30 2.520 x 0.050	80.80 3.180	65.30 2.570	32.30 1.272	8.10 0.320	130.00	11	34	52	105	310	440

Broadband Frequencies 25-300 MHz (43 material)

Part Number	Max. Cable Dimensions	A	B	C	D	Wt. (g)	Impedance (Ω)			
							10 MHz	25 MHz ⁺	100 MHz ⁺	250 MHz
0443166651	33.70 x 1.30 1.325 x 0.050	49.50 1.950	34.40 1.350	32.30 1.272	8.10 0.320	80.00	60	110	290	435
0443163951	51.00 x 1.30 2.000 x 0.050	67.80 2.670	52.10 2.050	32.30 1.272	8.10 0.320	110.00	56	100	290	400
0443164051	64.00 x 1.30 2.520 x 0.050	80.80 3.180	65.30 2.570	32.30 1.272	8.10 0.320	130.00	48	100	290	420

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