

Flat Cable Snap- Its (0431163951)



Part Number: 0431163951

31 FLAT CABLE CORE ASSEMBLY

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade

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.

The Expanded Cable and Suppressor Kit (Part number 0199000005) contains several Flat Cable Snap- It assemblies.

Weight: 110 (g)

Dim	mm	mm tol	nominal inch	inch misc.	Cable Information			
A	67.8	_	2.67	_	Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
B	52.1	_	2.05	_	0	51.00 x 1.30	_	-
C	32.3	_	1.272	_	0			
D	8.1	_	0.32	_				

Chart Legend

+ Test frequency

Typical Impedance (Ω)	
1 MHz	13
5 MHz	35
10 MHz ⁺	54
25 MHz ⁺	105
100 MHz ⁺	300
250 MHz	425

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.

