

Part Number: 0431164051

31 FLAT CABLE CORE ASSEMBLY

Explanation of Part Numbers:

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

Flat Cable Snap-It™ for use on multi-conductor flat cables to suppress common-mode conducted EMI from 1MHz to hundreds of MHz. These Flat Cable Snap-It™ 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: 130 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	80.8	+/- 2.00	3.181	—
B	64.50	/>(2.540")	2.54	—
C	32.3	—	1.272	—
D	7.90	+/- 0.5	0.311	—

Cable Information			
Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
0 0	64.00 x 1.30	—	—

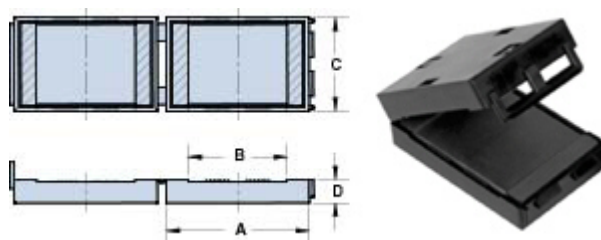


Chart Legend

+ Test frequency

Typical Impedance (Ω)	
1 MHz	14
5 MHz	40

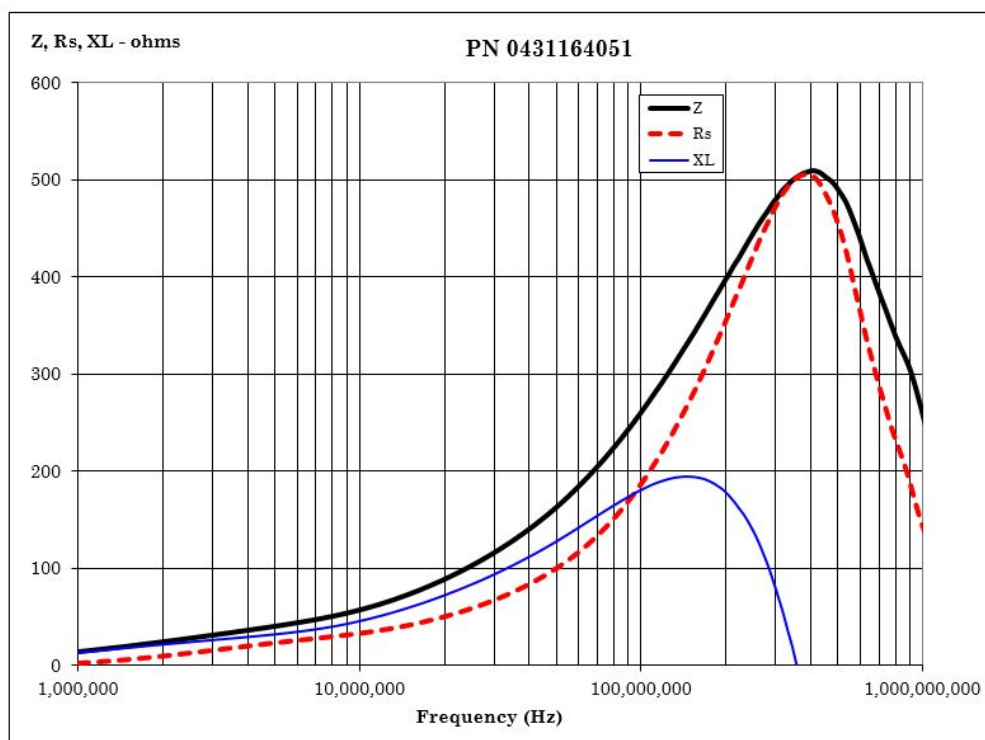
Typical Impedance (Ω)	
10 MHz ⁺	57
25 MHz ⁺	102
100 MHz ⁺	260
250 MHz	440

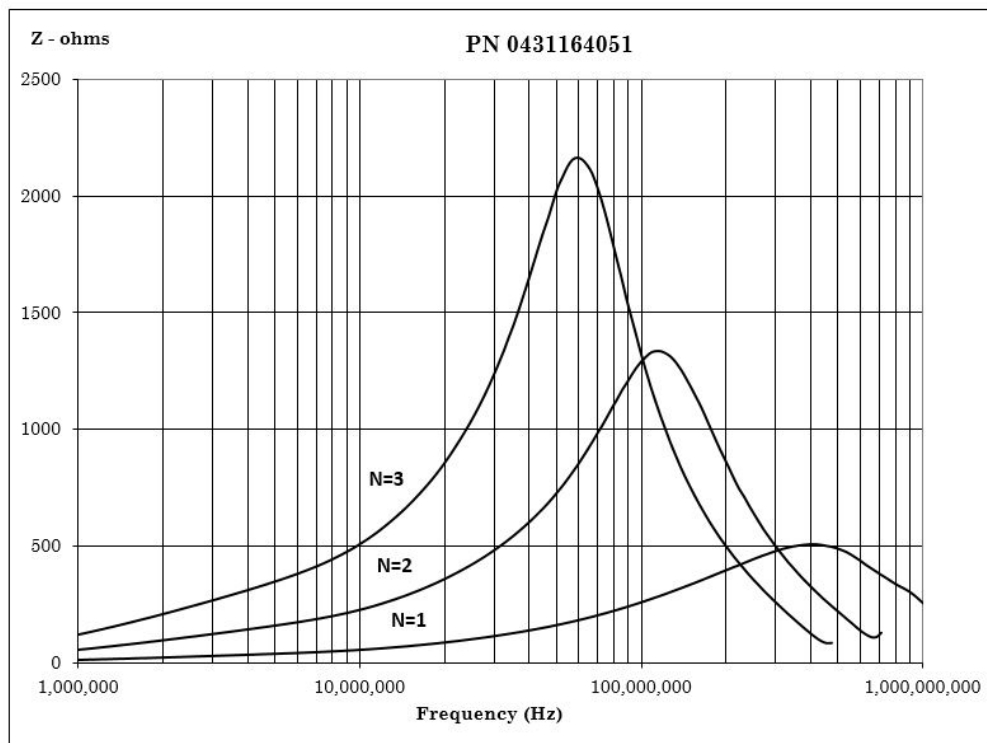
Flat Cable Snap-It™ assemblies are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

[Catalog Drawing](#)

Centered, single turn impedance tests on the 31 and 43 material parts are performed on the E4991A/HP4291B Impedance Analyzer. Cores are tested with the shortest practical wire length.

Typical Impedance (Ω)	
1 MHz	11
5 MHz	34
10 MHz ⁺	52
25 MHz ⁺	105
100 MHz ⁺	310
250 MHz	440





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