Fair-Rite Products Corp.
Your Signal Solution®

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.

Catalog Drawing
3D Model

Weight: 110 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	680	+/- 2.00	2.677	_
B	51.00	_	2.008	_
C	32.5	+/- 1.5	1.28	_
D	7.90	+/- 0.5	0.311	_

Cable Information			
Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
0 0	51.00 x 1.30	_	-

Chart Legend
+ Test frequency

Typical Impedance (Ω)	
1 MHz	16
5 MHz	45
10 MHz+	58
25 MHz+	95

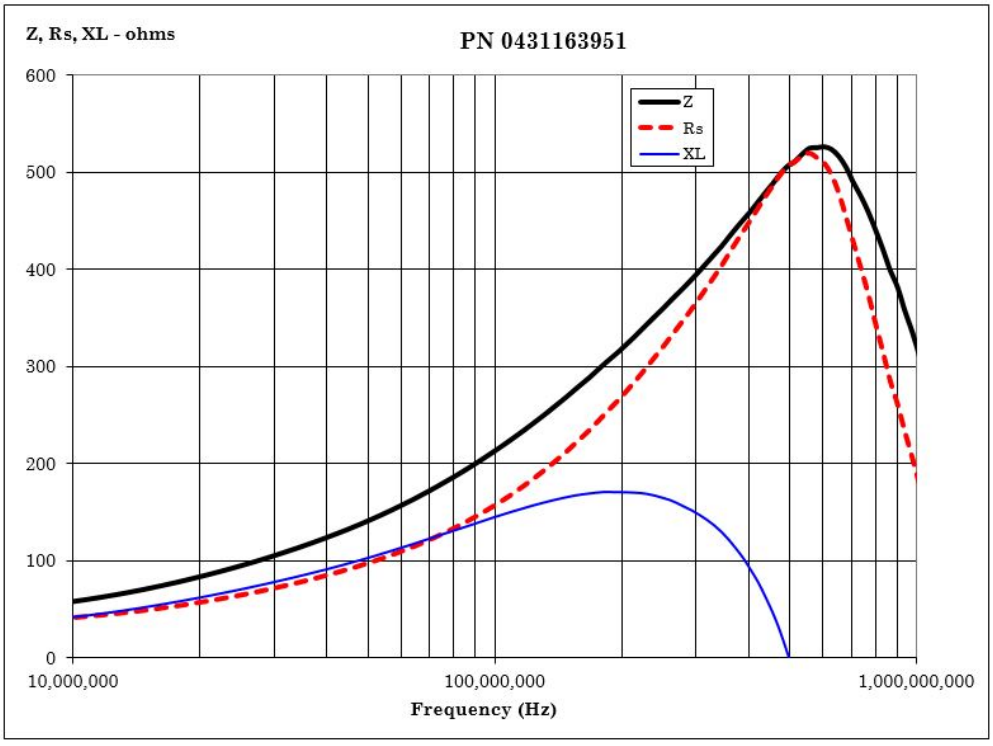
Typical Impedance (Ω)	
100 MHz+	215
250 MHz	356

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



CSV Download

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