

# Flat Cable EMI Suppression Cores

## (2643168251)

Part Number: 2643168251

43 SPLIT FLAT CABLE CORE

Explanation of Part Numbers:

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

**Flat cable suppression core can accommodate multi-conductors flat cables, in widths from 12.7 mm (0.500) up to 77 mm (3.0). These flat cable cores are available in two ferrite material grades to reduce conducted EMI from 1 MHz to hundreds of MHz.**

Clip Part Number: 0199001401 , 0199016051

Our Expanded Cable & Suppressor Kit (part number 0199000005) contains a selection of these flat cable cores and clips.

Flat Cable Cores are available in selected sizes in the Flex Circuit & Ribbon Cable Core Kit (part number 0199000038).

Assembly clips are available for most of the split flat cable cores. See section [Flat Cable Cores Assembly clips](#).

[Catalog Drawing](#)  
[3D Model](#)

Weight: 22 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	63.5	±1.30	2.5	—
B	52.1	±1.10	2.05	—
C	12.7	±0.40	0.5	—
D	6.35	±0.25	0.25	—
E	0.85	±0.20	0.033	—

Cable Information			
Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
00	51.00 x 1.30	—	—

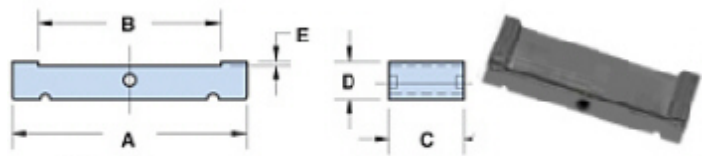


Figure 1

### Chart Legend

+ Test frequency

•For assembly clips see Flat Cable Cores Assembly Clips

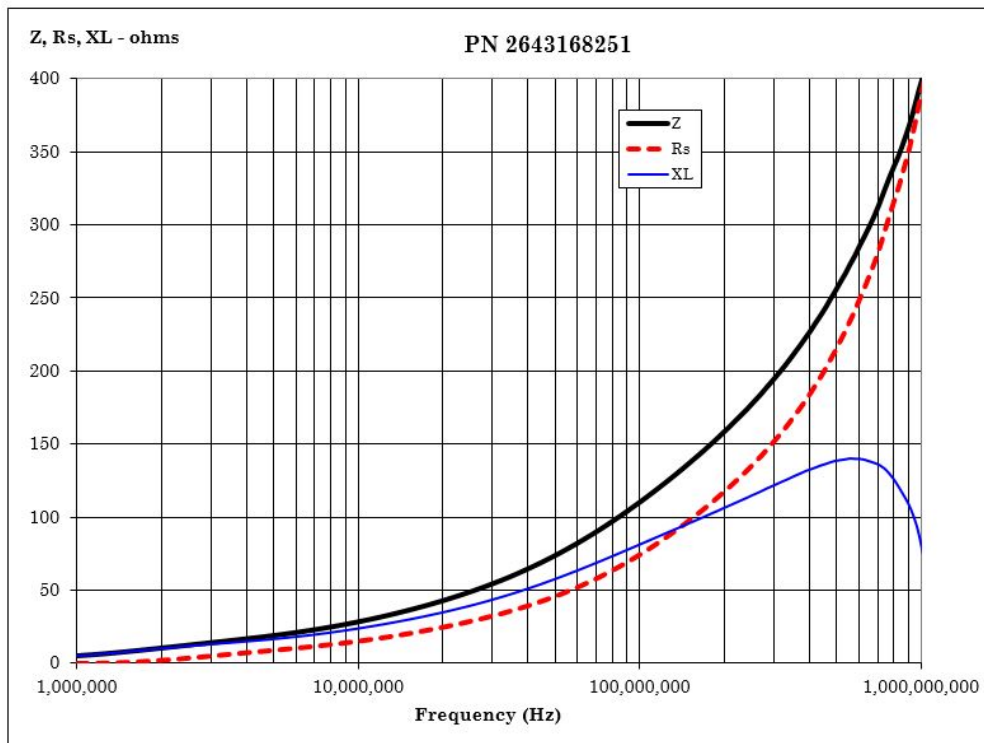
Typical Impedance ( $\Omega$ )	
10 MHz	28
25 MHz <sup>+</sup>	49
100 MHz <sup>+</sup>	110
250 MHz	176

Flat cable suppression cores, split or single cores, 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 for the 31 and 43 material parts are performed on the E4990A Impedance Analyzer. All tests are made with the shortest practical wire length.

Typical Impedance ( $\Omega$ )	
10 MHz	22
25 MHz <sup>+</sup>	50
100 MHz <sup>+</sup>	125
250 MHz	255



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