

# Flat Cable EMI Suppression Cores (2643166451)

Part Number: 2643166451

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: 0199010301

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: 35 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	38.35	±1.00	1.51	—
B	27.95	±1.00	1.1	—
C	28.6	±0.70	1.126	—
D	9	±0.30	0.354	—
E	3.3	±0.25	0.13	—

Cable Information			
Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
0	26.95 x 6.10	—	-



### Chart Legend

+ Test frequency

• For assembly clips see Flat Cable Cores Assembly Clips

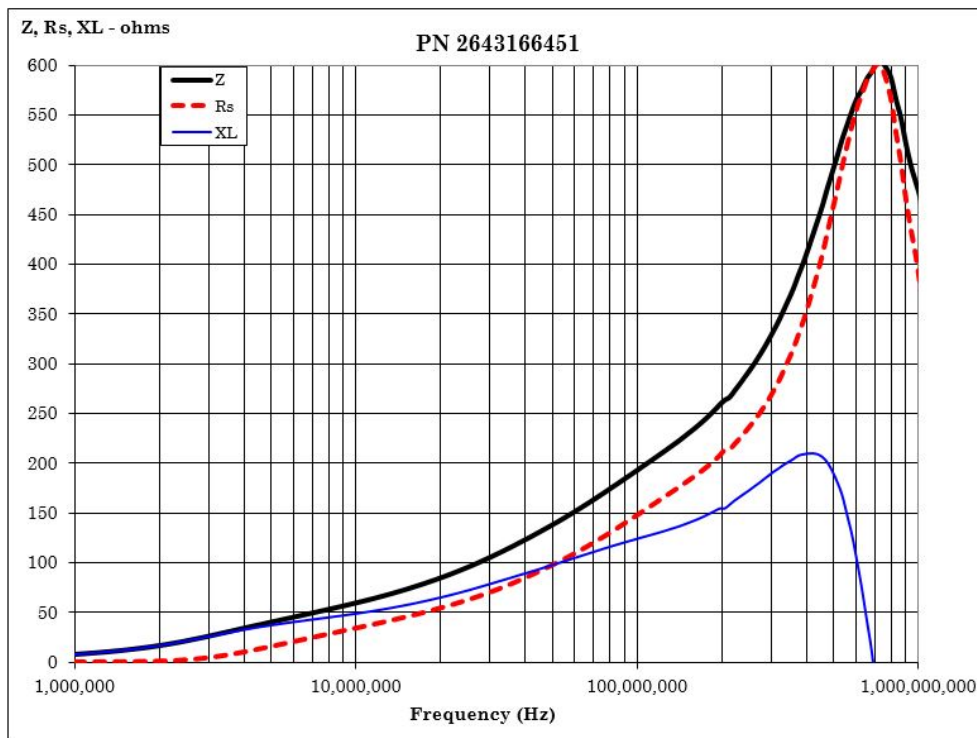
Typical Impedance ( $\Omega$ )	
10 MHz	59
25 MHz <sup>+</sup>	95
100 MHz <sup>+</sup>	193
250 MHz	293

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	61
25 MHz <sup>+</sup>	96
100 MHz <sup>+</sup>	185
250 MHz	335



### [CSV Download](#)

