

# Flat Cable EMI Suppression Cores (2643167551)

Part Number: 2643167551

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.**

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: 170 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	52.9	±1.00	2.083	-
B	33	±0.70	1.299	-
C	63.5	±1.80	2.5	-
D	12.5	±0.40	0.492	-
E	3.5	±0.40	0.138	-

Cable Information			
Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
0 0	32.30 x 6.20	-	-



## Chart Legend

+ Test frequency

•For assembly clips see Flat Cable Cores Assembly Clips

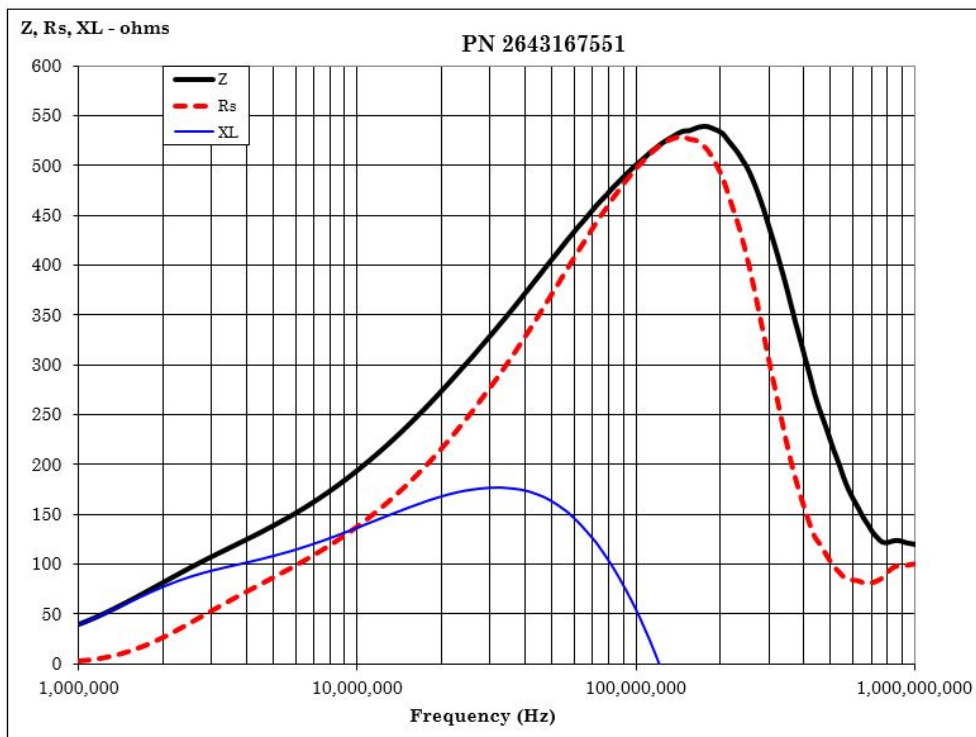
Typical Impedance ( $\Omega$ )	
10 MHz	194
25 MHz <sup>+</sup>	304
100 MHz <sup>+</sup>	501
250 MHz	498

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	150
25 MHz <sup>+</sup>	270
100 MHz <sup>+</sup>	480
250 MHz	370



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