

# Flat Cable EMI Suppression Cores (2643168751)

Part Number: 2643168751

43 FULL 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.

Weight: 13 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	25.4	±0.75	1	—
B	17.8	±0.50	0.7	—
C	12.7	±0.40	0.5	—
D	10.15	±0.25	0.4	—
E	2.55	±0.25	0.1	—

Cable Information			
Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
00	17.30 x 2.30	—	—

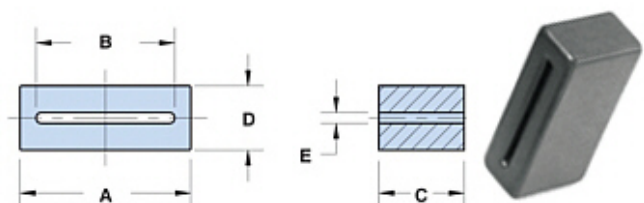


Figure 3

### Chart Legend

+ Test frequency

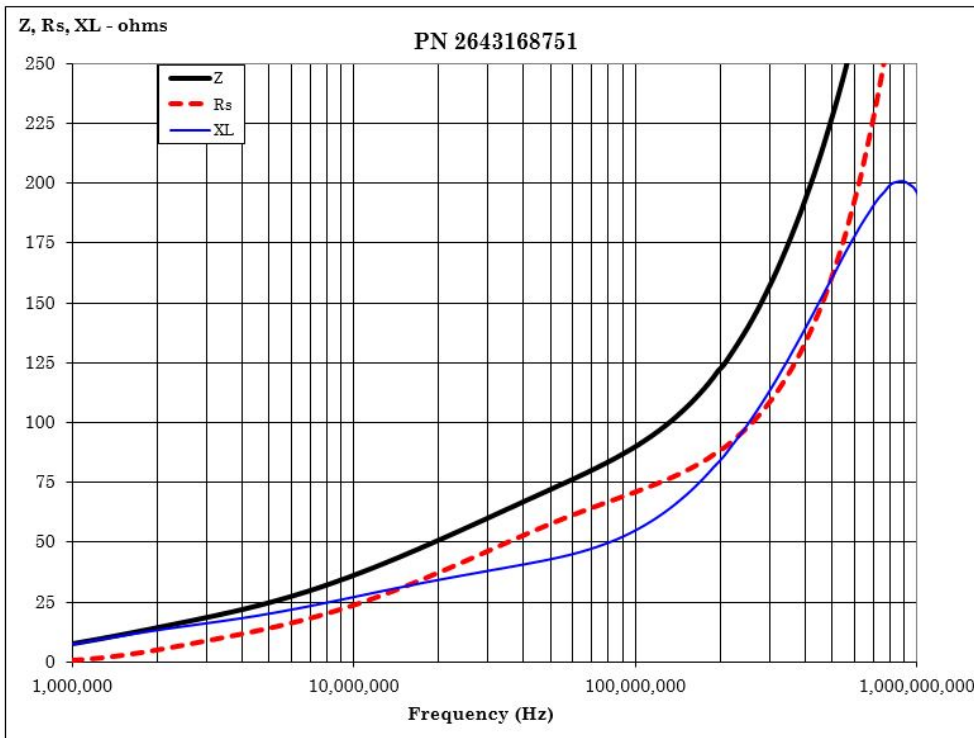
• For assembly clips see Flat Cable Cores Assembly Clips

Typical Impedance ( $\Omega$ )	
10 MHz	36
25 MHz <sup>+</sup>	56
100 MHz <sup>+</sup>	90
250 MHz	142

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%.

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	31
25 MHz <sup>+</sup>	50
100 MHz <sup>+</sup>	95
250 MHz	200



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