

# Flat Cable EMI Suppression Cores (2643170951)

Part Number: 2643170951

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.

Weight: 16 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	45.1	±0.75	1.776	-
B	34.4	±0.70	1.354	-
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
0 0	33.70 x 1.30	-	-

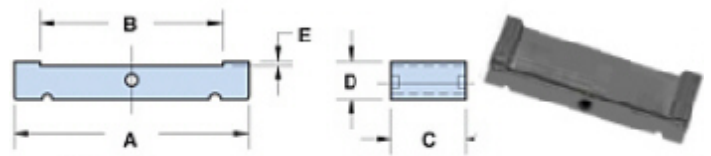


Figure 1

### Chart Legend

+ Test frequency

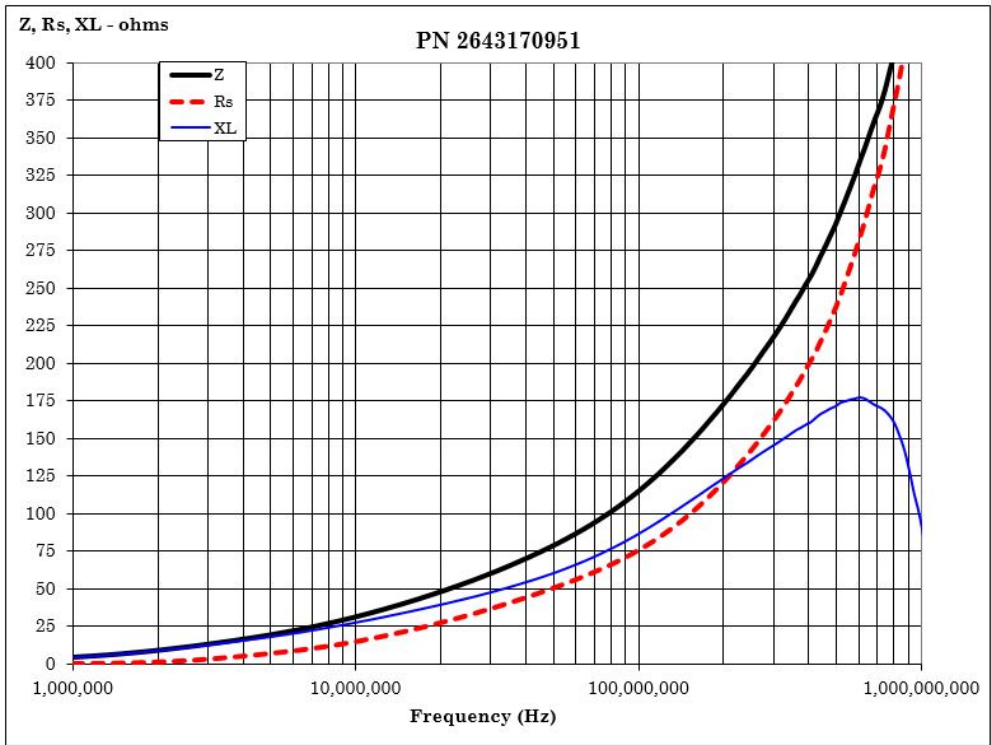
• For assembly clips see Flat Cable Cores Assembly Clips

Typical Impedance ( $\Omega$ )	
10 MHz	31
25 MHz <sup>+</sup>	55
100 MHz <sup>+</sup>	115
250 MHz	196

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	25
25 MHz <sup>+</sup>	50
100 MHz <sup>+</sup>	115
250 MHz	240



[CSV Download](#)

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288  
 888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com