

# Flat Cable EMI Suppression Cores (2643178551)



Part Number: 2643178551

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).

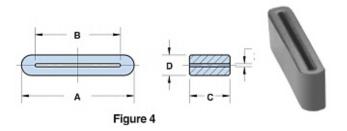
Assembly clips are available for most of the split flat cable cores. See section Flat Cable Cores Assembly clips.

## Catalog Drawing 3D Model

Weight: 8.2 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	26.5	±0.40	1.043	_
В	21.5	±0.40	0.846	_
С	12	±0.30	0.472	_
D	6.6	±0.25	0.26	_
E	1.6	±0.25	0.063	_

Cable Information					
Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores		
0	21.10 x 1.35	_	-		



#### **Chart Legend**

- + Test frequency
- •For assembly clips see Flat Cable Cores Assembly Clips

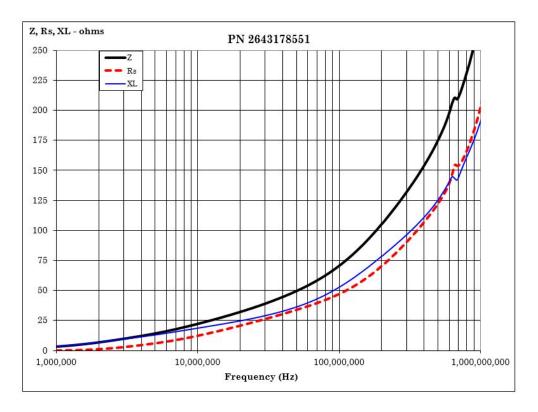
Typical Impedance (Ω)		
10 MHz	22	
25 MHz <sup>+</sup>	36	
100 MHz <sup>+</sup>	71	
250 MHz	119	

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 Impendance $(\Omega)$			
10 MHz	24		
25 MHz <sup>+</sup>	38		
100 MHz <sup>+</sup>	82		
250 MHz	155		



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