

# Miscellaneous Suppression Cores

## (2643167851)

Part Number: 2643167851

43 FULL FLAT CABLE CORE

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade

Fair-Rite has tooled several special core geometries in the 43 & 77 material for suppression of conducted EMI.

**For any non-catalog suppression core design feel free to contact our customer service or application group for feasibility and availability.**

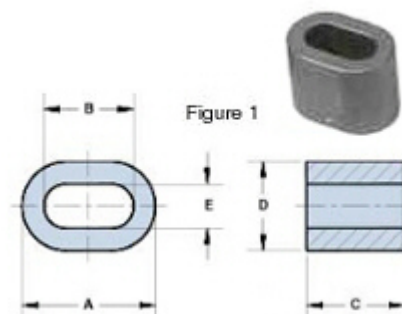
[Catalog Drawing](#)

[3D Model](#)

The “C” dimension, the core length, can be modified to suit specific applications.

Weight: (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	38.85	_	1.53	
B	26.15	_	1.03	
C	28.6	_	1.126	
D	26	±0.60	1.024	_
E	12.95	±0.25	0.51	_



### Chart Legend

+ Test frequency

• Figures 3 & 4 tested in pairs

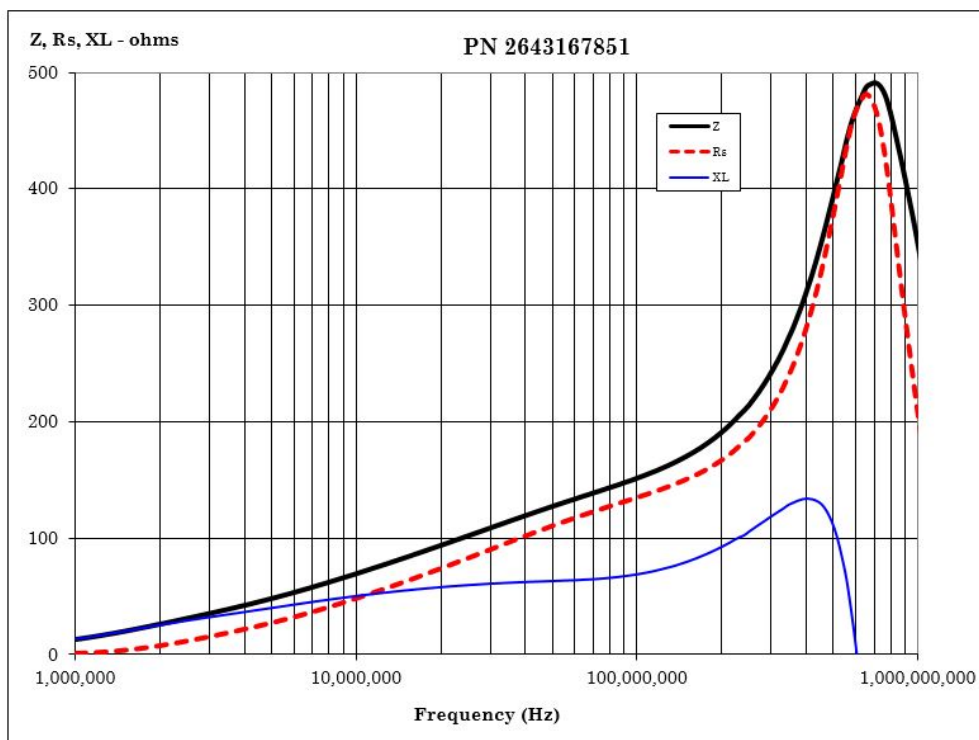
Typical Impedance ( $\Omega$ )	
10 MHz	71
25 MHz <sup>+</sup>	102
100 MHz <sup>+</sup>	152
250 MHz	213

These suppression cores are controlled for impedance only. The minimum impedance is typically the listed impedance less 20%.

[Catalog Drawing](#)

Single turns tests are performed on the E4991A / HP4291B Impedance Analyzer with the shortest practical wire length.

Typical Impedance ( $\Omega$ )	
10 MHz	60
25 MHz <sup>+</sup>	94
100 MHz <sup>+</sup>	169
250 MHz	250



[CSV Download](#)