Fair-Rite Products Corp.
Your Signal Solution®

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 (Ω)	
10 MHz	71
25 MHz+	102
100 MHz+	152

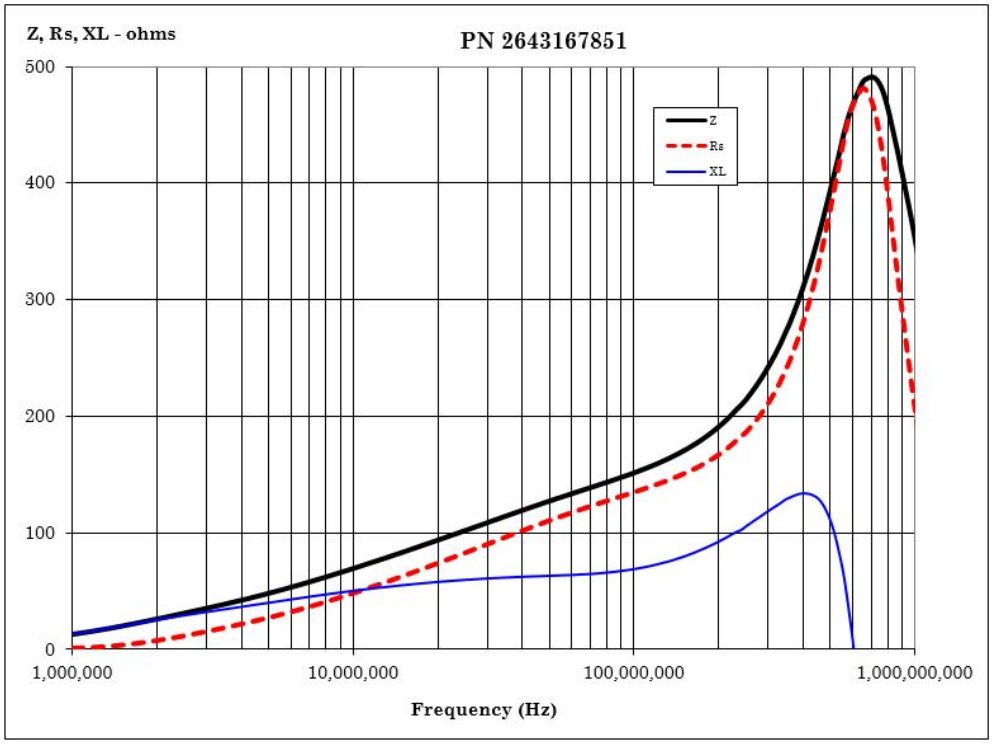
Typical Impedance (Ω)	
250 MHz	213

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 Impendance (Ω)	
10 MHz	60
25 MHz+	94
100 MHz+	169
250 MHz	250



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