

# Miscellaneous Suppression Cores (2643165151)

Part Number: 2643165151

43 SPLIT ROUND 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.**

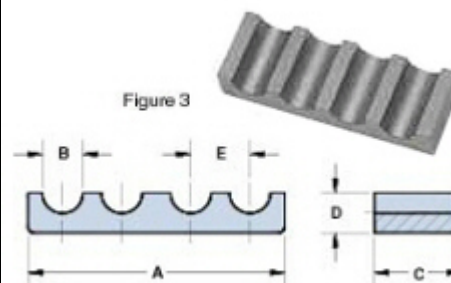
[Catalog Drawing](#)

[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	82.6	—	3.252	
B	13.1	—	0.516	
C	28	—	1.102	
D	12.95	±0.25	0.51	—
E	19.05	±0.40	0.75	—
F	6.40	/>(0.252")	0.252	



## Chart Legend

+ Test frequency

• Figures 3 & 4 tested in pairs

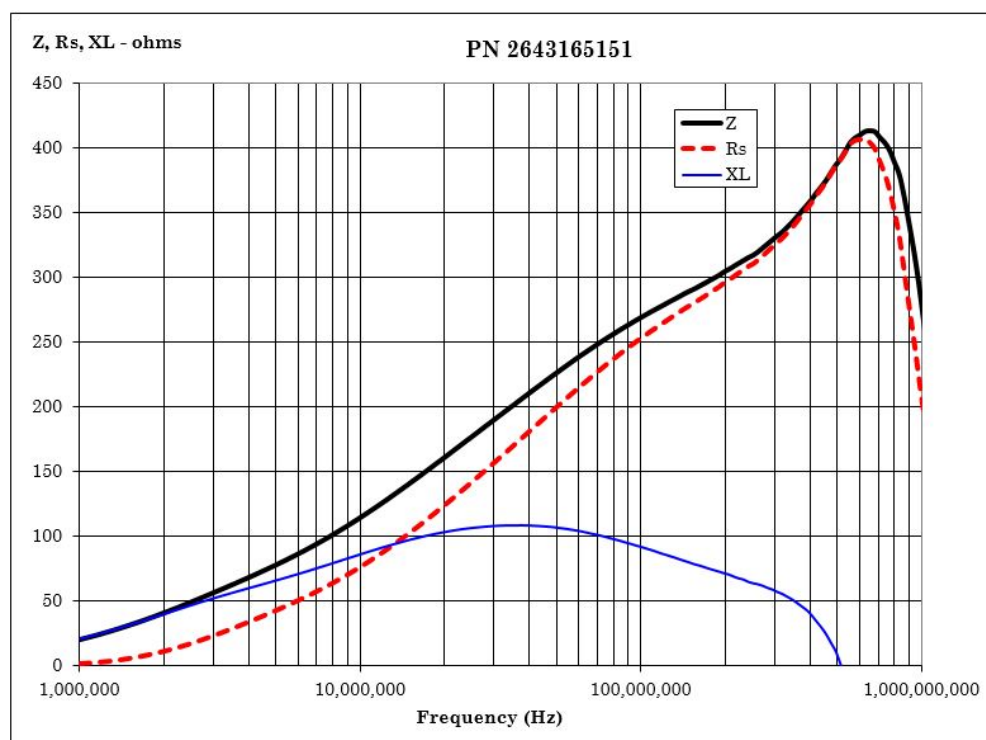
Typical Impedance ( $\Omega$ )	
10 MHz	114
25 MHz <sup>+</sup>	177
100 MHz <sup>+</sup>	270
250 MHz	317

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	100
25 MHz <sup>+</sup>	163
100 MHz <sup>+</sup>	280
250 MHz	340



### [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](mailto:ferrites@fair-rite.com) • [www.fair-rite.com](http://www.fair-rite.com)