

# Miscellaneous Suppression Cores

## (2677102402)

Part Number: 2677102402

77 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.**

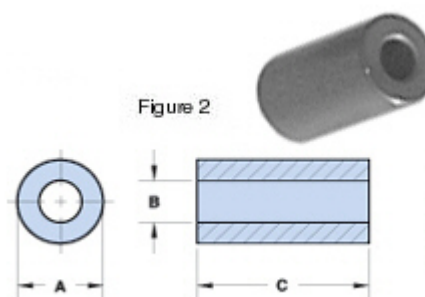
[Catalog Drawing](#)

[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	25.9	_	1.02	
B	12.8	_	0.504	
C	21.3	_	0.839	



**Chart Legend**

+ Test frequency

• Figures 3 & 4 tested in pairs

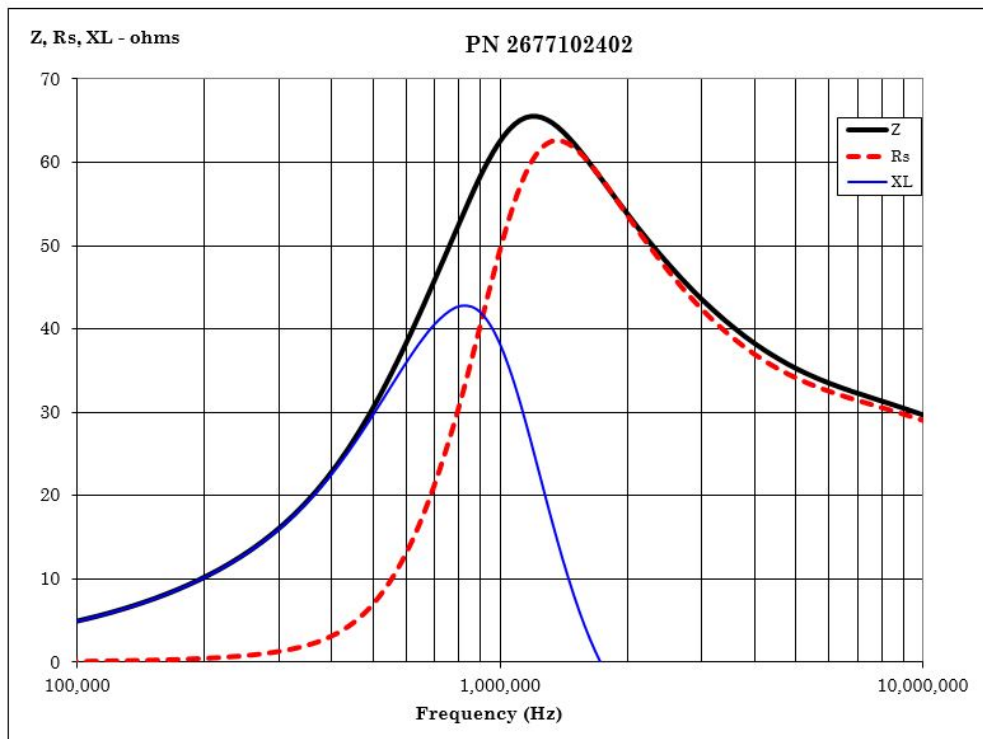
Typical Impedance ( $\Omega$ )	
1 MHz	63
10 MHz <sup>+</sup>	29.5
25 MHz <sup>+</sup>	23

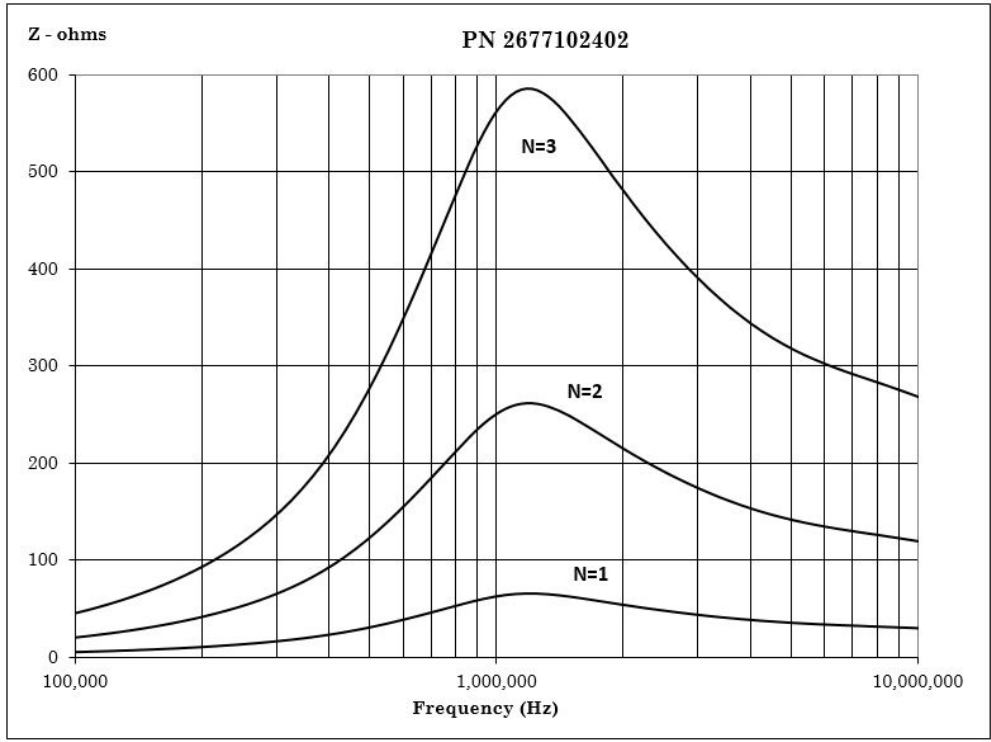
These suppression cores are controlled for impedance only. The minimum impedance is typically the listed impedance less 20%.

[Catalog Drawing](#)

Single turns tests are performed on the E49990A Impedance Analyzer with the shortest practical wire length.

Typical Impedance ( $\Omega$ )	
1 MHz	52
10 MHz <sup>+</sup>	25
25 MHz <sup>+</sup>	23





[CSV Download](#)

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