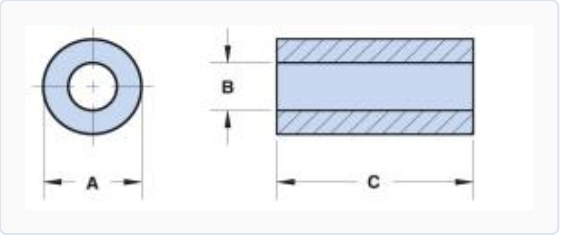
Round Cable EMI Suppression Cores (2643801002)

Part No. 2643801002



Part Number	2643801002
Description	43 ROUND CABLE CORE
Part Type	Round Cable EMI Suppression Cores
Frequency Range	43 Material®
Application Type	Suppression Components
Where Used	Cable Component
Material Grade	43

ORDERING INFORMATION

Part Number: 2643801002

43 ROUND CABLE CORE

Explanation of Part Numbers:
– Digits 1 & 2 = Product Class
– Digits 3 & 4 = Material Grade
– Last digit 2 = Burnished (All cable cores have been burnished to remove the sharp edges)

Fair-Rite offers a broad selection of ferrite EMI suppression cable cores in several materials with guaranteed minimum impedance specifications.

For smaller suppression parts, refer to the section EMI Suppression Beads.

Our Expanded Cable and Suppressor Kit (part number 0199000005) contains a selection of these suppression cores.

For any cable suppression core not listed here, feel free to contact our customer service group for availability and pricing.

MECHANICAL SPECIFICATIONS

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

Weight: 13.6 (g)

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Chart Legend
•Dimensions (Top numbers are in millimeters, bottom numbers are in nominal inches.).

Dim	mm	mm tol	nominal inch	inch misc.
A	29	±0.75	1.142	_
B	19	±0.50	0.748	_
C	7.5	±0.25	0.295	_



ELECTRICAL SPECIFICATIONS

Chart Legend
+ Test frequency

Typical Impedance (Ω)	
10 MHz	16.7
25 MHz+	25
100 MHz+	43
250 MHz	69

Electrical Properties	
H(Oe)	0.17

Suppression cable 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%.

Single turn impedance tests for 31, 43 and 46 material cores are performed on the E4991A/HP4291B Impedance Analyzer. The 61 material parts are tested on the E4991A / HP4291B Impedance Analyzer and 75 material parts are tested on the E4990A Impedance Analyzer. Cores are tested with the shortest practical wire length.

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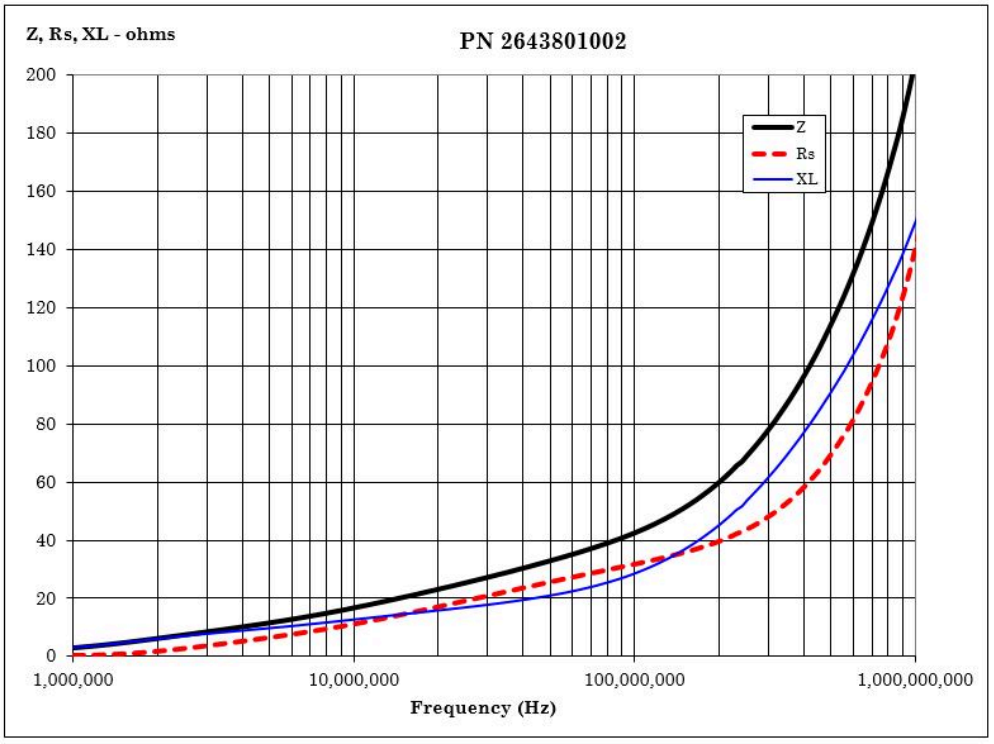

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