

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 | |

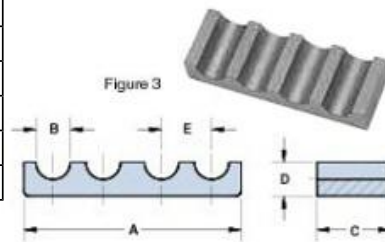


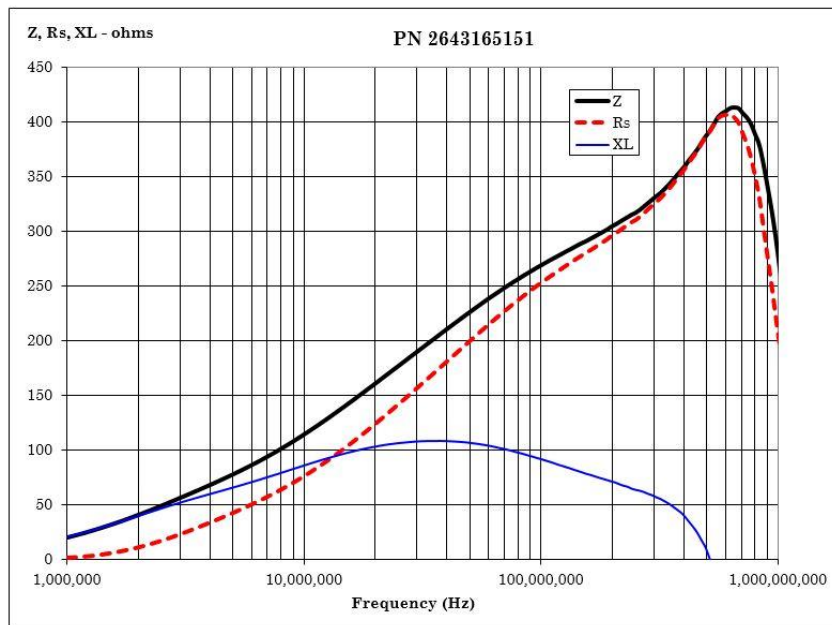
Chart Legend

+ Test frequency

•Figures 3 & 4 tested in pairs

| Typical Impedance (Ω) | |
|-----------------------|-----|
| 10 MHz | 114 |
| 25 MHz ⁺ | 177 |
| 100 MHz ⁺ | 270 |
| 250 MHz | 317 |

These suppression cores are controlled for impedance only. The minimum impedance is typically the listed impedance less 20%. Single turns tests are performed on the E4991A / HP4291B Impedance Analyzer with the shortest practical wire length.



[CSV Download](#)

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