

# 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.**

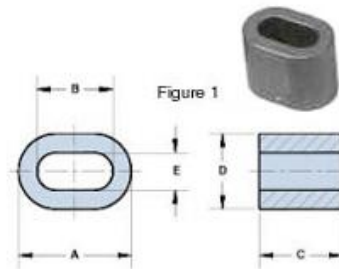
[Catalog Drawing](#)

[3D Model](#)

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

Weight: 85 (g)

| Dim | mm    | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A   | 38.85 | ±0.75  | 1.53         | —          |
| B   | 26.15 | ±0.75  | 1.03         | —          |
| C   | 28.6  | ±0.70  | 1.125        | —          |
| D   | 26    | ±0.60  | 1.025        | —          |
| E   | 12.95 | ±0.25  | 0.51         | —          |



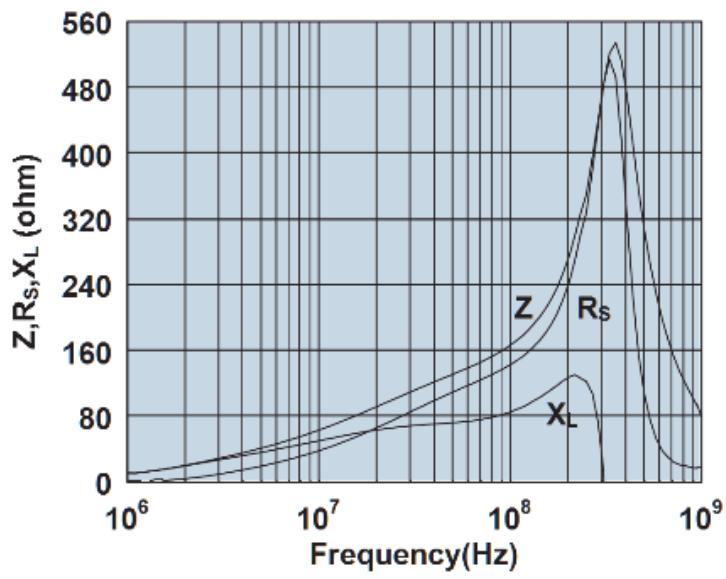
**Chart Legend**

- + Test frequency
- Figures 3 & 4 tested in pairs

| Typical Impedance (Ω) |     |
|-----------------------|-----|
| 10 MHz                | 60  |
| 25 MHz <sup>+</sup>   | 94  |
| 100 MHz <sup>+</sup>  | 169 |
| 250 MHz               | 250 |

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 4193A Vector Impedance Analyzer with the shortest practical wire length.

2643167851



Impedance, reactance, and resistance vs. frequency.