

# 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

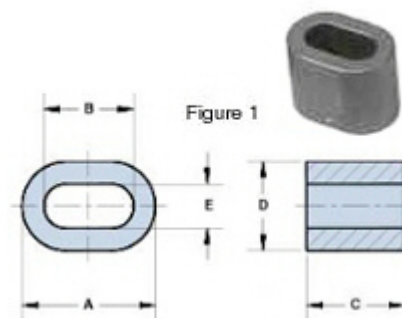
Fair-Rite has tooled several special core geometries in the 43 & 77 material for suppression of conducted EMI.

**For any non-catalog suppression core design feel free to contact our customer service or application group for feasibility and availability.**

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

Weight: (g)

| Dim | mm    | mm tol | nominal inch | inch misc. |
|-----|-------|--------|--------------|------------|
| A   | 38.85 | _      | 1.53         |            |
| B   | 26.15 | _      | 1.03         |            |
| C   | 28.6  | _      | 1.126        |            |
| D   | 26    | ±0.60  | 1.024        | _          |
| E   | 12.95 | ±0.25  | 0.51         | _          |



**Chart Legend**

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

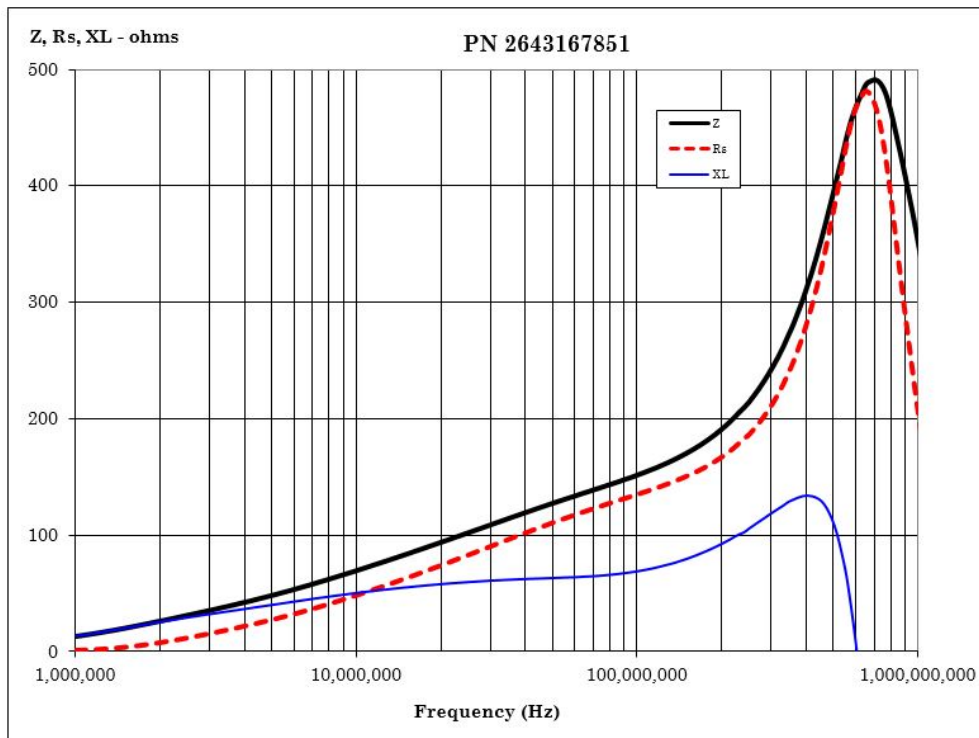
| Typical Impedance (Ω) |     |
|-----------------------|-----|
| 10 MHz                | 71  |
| 25 MHz <sup>+</sup>   | 102 |

| Typical Impedance ( $\Omega$ ) |     |
|--------------------------------|-----|
| 100 MHz <sup>+</sup>           | 152 |
| 250 MHz                        | 213 |

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.

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



[CSV Download](#)

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