

Flat Cable EMI Suppression Cores (2643180451)



Part Number: 2643180451

43 FULL FLAT CABLE CORE

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade

Flat cable suppression core can accommodate multi- conductors flat cables, in widths from 12.7 mm (0.500) up to 77 mm (3.0). These flat cable cores are available in two ferrite material grades to reduce conducted EMI from 1 MHz to hundreds of MHz.

Our Expanded Cable & Suppressor Kit (part number 0199000005) contains a selection of these flat cable cores and clips.

Flat Cable Cores are available in selected sizes in the Flex Circuit & Ribbon Cable Core Kit (part number 0199000038).

Assembly clips are available for most of the split flat cable cores. See section Flat Cable Cores Assembly clips.

[Catalog Drawing](#)

[3D Model](#)

Weight: 3.9 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|-----|--------|--------------|------------|
| A | 31 | ±1.00 | 1.22 | — |
| B | 27 | ±0.70 | 1.063 | — |
| C | 6 | ±0.30 | 0.236 | — |
| D | 5 | ±0.30 | 0.197 | — |
| E | 0.8 | ±0.10 | 0.031 | — |

| Cable Information | | | |
|-------------------|---------------|------------------|------------------|
| Max Diameter | Max Dimension | Solid Equivalent | Flat Cable Cores |
| 0 | 26.30 x 0.70 | — | - |

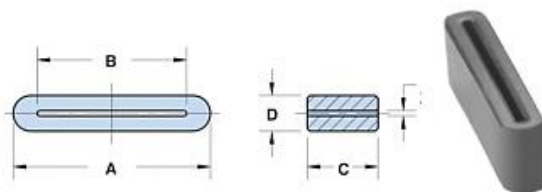


Figure 4

Chart Legend

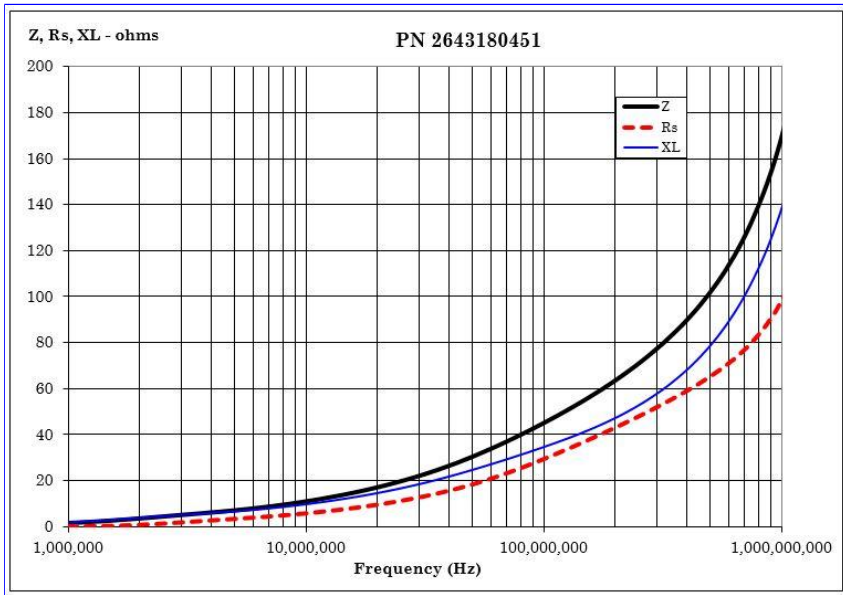
- + Test frequency
- For assembly clips see Flat Cable Cores Assembly Clips

| Typical Impedance (Ω) | |
|-----------------------|----|
| 10 MHz | 11 |
| 25 MHz ⁺ | 20 |
| 100 MHz ⁺ | 45 |
| 250 MHz | 71 |

Flat cable suppression cores, split or single cores, are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is listed on our catalog drawing.

[Catalog Drawing](#)

Centered, single turn impedance tests for the 31 and 43 material parts are performed on the E4990A Impedance Analyzer. All tests are made with the shortest practical wire length.



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