

Flat Cable EMI Suppression Cores (2643180651)



Part Number: 2643180651

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: 13 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 45.2 | ±1.00 | 1.78 | — |
| B | 40 | ±1.00 | 1.575 | — |
| C | 12 | ±0.40 | 0.472 | — |
| D | 6.5 | ±0.30 | 0.256 | — |
| E | 1.5 | ±0.30 | 0.059 | — |

| Cable Information | | | |
|-------------------|---------------|------------------|------------------|
| Max Diameter | Max Dimension | Solid Equivalent | Flat Cable Cores |
| 0 0 | 39.00 x 1.20 | — | - |

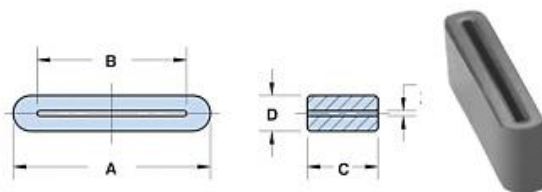


Figure 4

Chart Legend

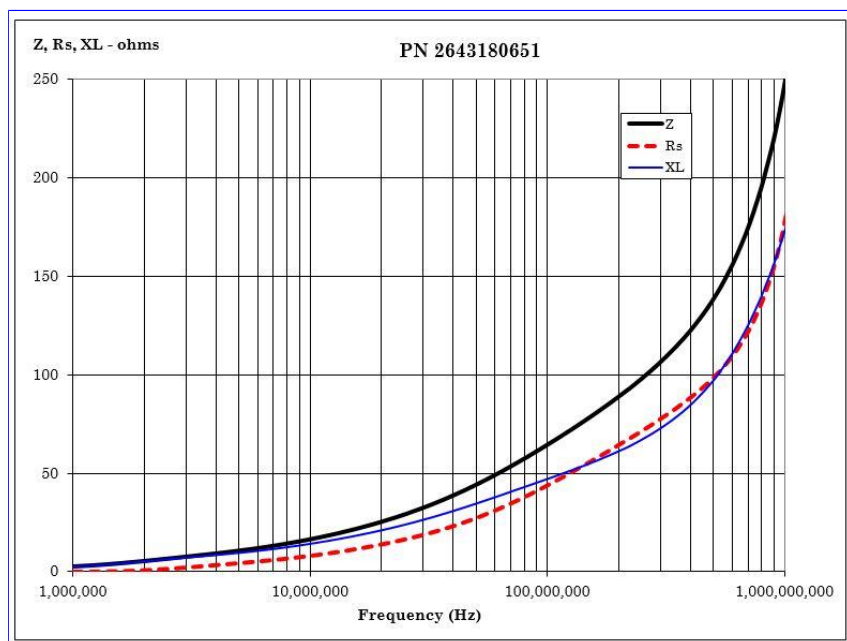
+ Test frequency

•For assembly clips see Flat Cable Cores Assembly Clips

| Typical Impedance (Ω) | |
|-----------------------|----|
| 10 MHz | 16 |
| 25 MHz ⁺ | 29 |
| 100 MHz ⁺ | 65 |
| 250 MHz | 98 |

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 typically the listed impedance less 20%.

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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