

Part Number: 0443166651

43 FLAT CABLE CORE ASSEMBLY

Explanation of Part Numbers:

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

Flat Cable Snap-It™ for use on multi-conductor flat cables to suppress common-mode conducted EMI from 1MHz to hundreds of MHz. These Flat Cable Snap-It™ are available in two ferrite materials, 31 and 43. The polypropylene cases are meeting the RoHS restrictions of hazardous substances and have a flammability rating of UL 94 V-0.

The Expanded Cable and Suppressor Kit (Part number 0199000005) contains several Flat Cable Snap-It™ assemblies.

Weight: 80 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|-------|---------|--------------|------------|
| A | 49.5 | +/- 2.5 | 1.948 | _ |
| B | 33.70 | _ | 1.327 | _ |
| C | 32.3 | +/- 1.6 | 1.272 | _ |
| D | 7.70 | +/- 0.5 | 0.303 | _ |

| Cable Information | | | |
|-------------------|---------------|------------------|------------------|
| Max Diameter | Max Dimension | Solid Equivalent | Flat Cable Cores |
| 0 | 33.70 x 1.30 | _ | - |

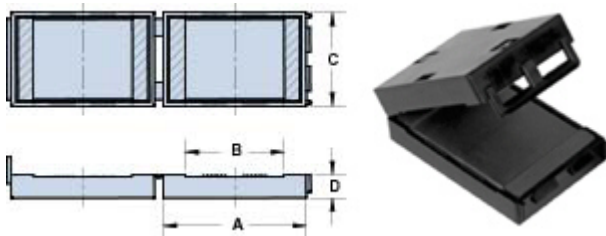


Chart Legend

+ Test frequency

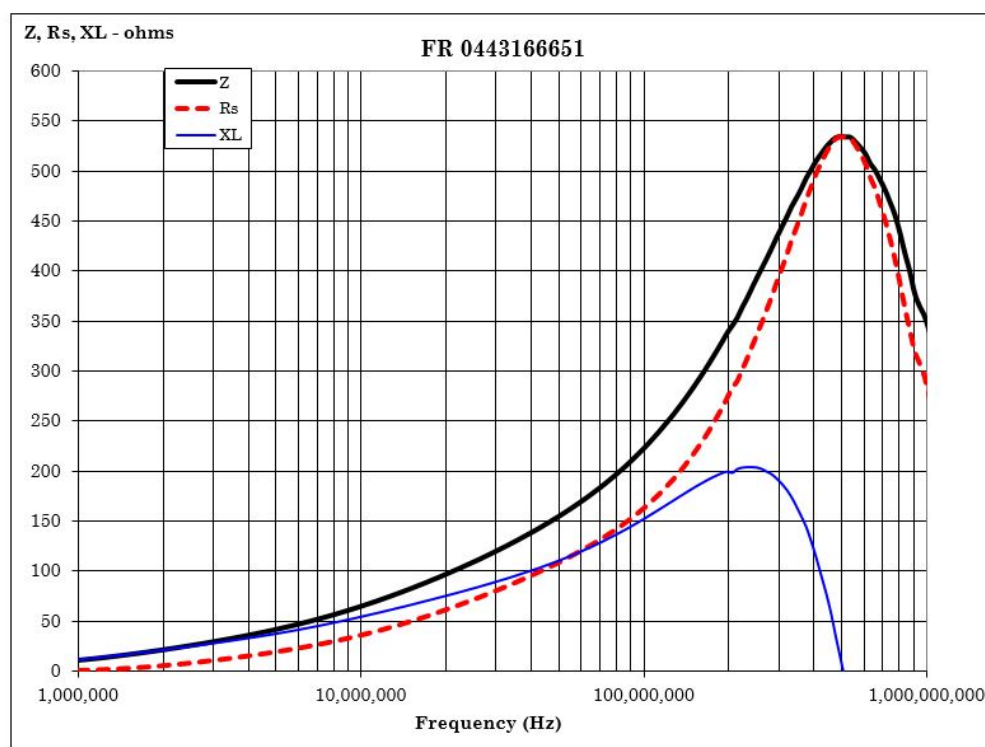
| Typical Impedance (Ω) | |
|-----------------------|-----|
| 10 MHz | 65 |
| 25 MHz ⁺ | 109 |

| Typical Impedance (Ω) | |
|--------------------------------|-----|
| 100 MHz ⁺ | 223 |
| 250 MHz | 390 |

Flat Cable Snap-It™ assemblies 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 on the 31 and 43 material parts are performed on the E4991A/HP4291B Impedance Analyzer. Cores are tested with the shortest practical wire length.

| Typical Impedance (Ω) | |
|--------------------------------|-----|
| 10 MHz | 60 |
| 25 MHz ⁺ | 110 |
| 100 MHz ⁺ | 290 |
| 250 MHz | 435 |



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