

Part Number: 0431184751

31 OVAL CABLE CORE ASSEMBLY

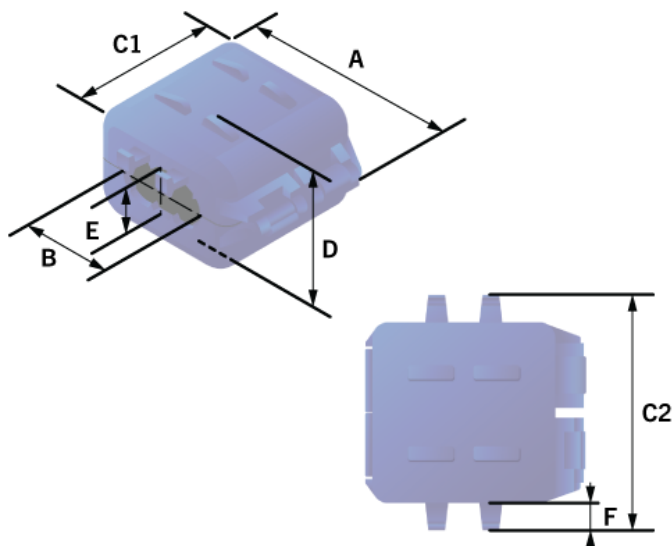
Explanation of Part Numbers:

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

The B dimension is the core inside diameter.

Weight: 65 (g)

| Dim | mm    | mm tol     | nominal inch | inch misc. |
|-----|-------|------------|--------------|------------|
| A   | 40.32 | mm +/- 1.0 | 1.59         | —          |
| B   | 19.20 | Min        | 0.75         | —          |
| C   | 43.50 | +/- 0.0    | 1.71         | —          |
| D   | 28.62 | +/- 1.0    | 1.13         | —          |
| E   | 9.20  | —          | 0.36         | —          |
| F   | 3.57  | —          | 0.14         | —          |



## Chart Legend

+ Test frequency

• For solid cable cores, see Round Cable EMI Suppression Cores

| Typical Impedance ( $\Omega$ ) |     |
|--------------------------------|-----|
| 10 MHz                         | 81  |
| 25 MHz                         | 121 |
| 100 MHz                        | 203 |

Round 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%.

Single turn impedance tests for 31, 43 and 46 material cores are performed on the E4991A/HP4291B Impedance Analyzer. The 61 material parts are tested on the E4991A / HP4291B Impedance Analyzer and 75 material parts are tested on the E4990A Impedance Analyzer. Cores are tested with the shortest practical wire length.

| Typical Impedance ( $\Omega$ ) |     |
|--------------------------------|-----|
| 10 MHz <sup>+</sup>            | 81  |
| 25 MHz <sup>+</sup>            | 121 |
| 100 MHz <sup>+</sup>           | 203 |

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