

Part Number: 0331184751

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	30.43	+/- 1.0	1.20	—
B	19.20	—	0.75 min	—
C	29.90	+/- 1.0	1.18	—
D	23.0	+/- 1.0	0.91	—
E	9.2	—	0.36 min	—

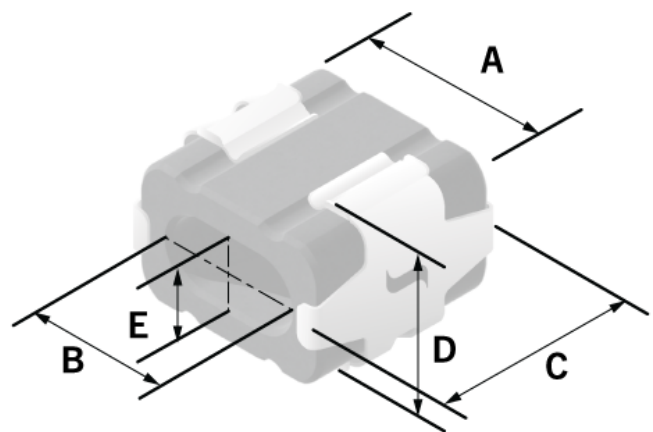


Chart Legend

+ Test frequency

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

Typical Impedance (Ω)	
10 MHz	81
25 MHz ⁺	121
100 MHz ⁺	203

Electrical Properties	
$A_e(\text{cm}^2)$	1.27
$\Sigma l/A(\text{cm}^{-1})$	0.583
$l_e(\text{cm})$.741
$V_e(\text{cm}^3)$	94.10

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.

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