Fair-Rite Products Corp.
Your Signal Solution®

Oval Snap-It™ Core (0431184751)

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	

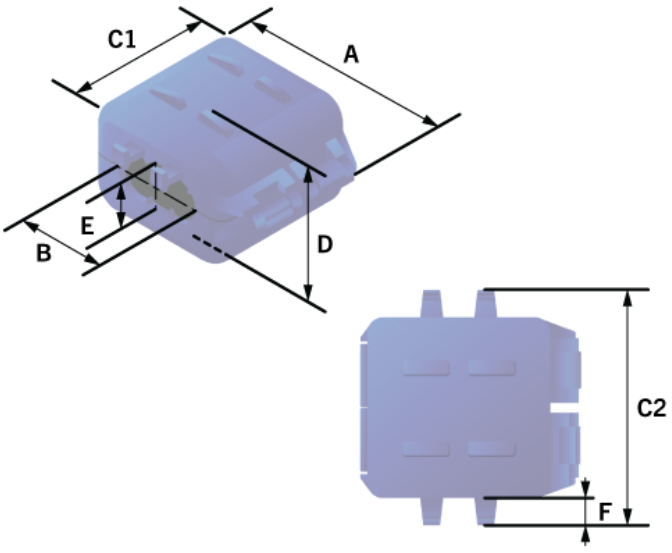

Chart Legend
+ Test frequency
•For solid cable cores, see Round Cable EMI Suppression Cores

Typical Impedance (Ω)	
10 MHz	81

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Typical Impedance (Ω)	
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 Impendance (Ω)	
10 MHz^{+}	81
25 MHz^{+}	121
100 MHz^{+}	203

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