Fair-Rite Products Corp.
Your Signal Solution®

Oval Clip-It Core (0331184751Q)

Part Number: 0331184751Q

31 OVAL CABLE CORE ASSEMBLY

Fair-Rite® offers our AEC-Q200 parts in both qualified and standard versions. While physically identical the qualified version includes full traceability and validation data required for automotive safety.

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	

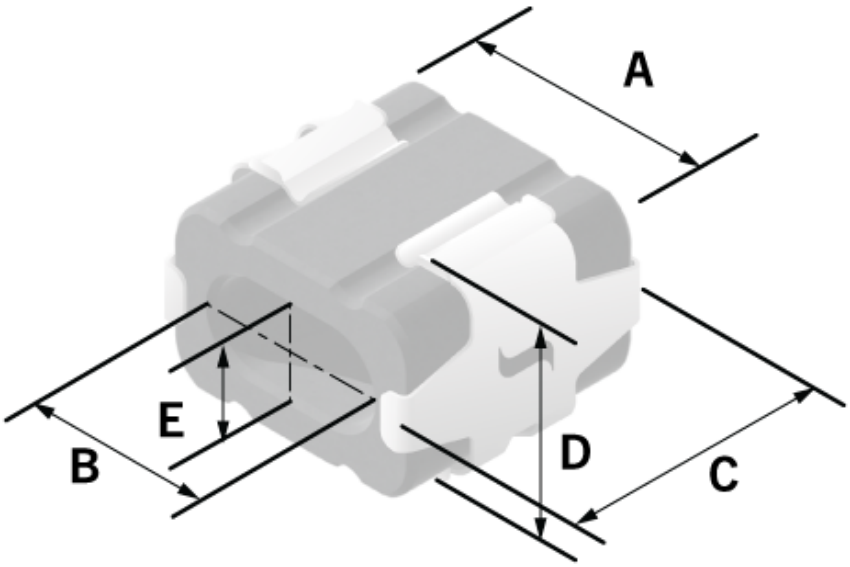

Chart Legend
+ Test frequency
•For solid cable cores, see Round Cable EMI Suppression Cores

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

Electrical Properties	
Ae(cm^2)	1.27
Σl/A(cm^{-1})	0.583
l_e(cm)	.741
V_e(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.