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 | |

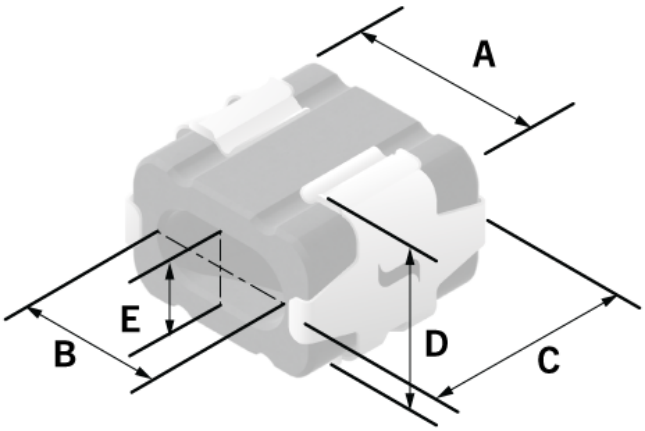


**Chart Legend**
+ Test frequency

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

| Typical Impedance (Ω) | |
|---|---|
| 10 MHz | 59 Min |
| 25 MHz$^{+}$ | 89 Min |
| 100 MHz$^{+}$ | 150 Min |

| Electrical Properties | |
|---|---|
| Ae($cm^2$) | 1.27 |
| Σl/A($cm^{-1}$) | 0.0583 |
| $l_e$(cm) | 7.41 |
| $V_e$($cm^3$) | 9.410 |

Oval Cable Clip-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 | 59 |
| 25 MHz$^{+}$ | 89 |
| 100 MHz$^{+}$ | 150 |