

# Toroidal Suppression Core

## (2631800302)

---

Part Number: 2631800302

31 CORE FOR COMMON MODE CHOKES

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade
- Last digit 2 = Burnished (All cable cores have been burnished to remove the sharp edges)

Fair-Rite offers a broad selection of ferrite EMI suppression cable cores in several materials with guaranteed minimum impedance specifications.

For smaller suppression parts, refer to the section EMI Suppression Beads.

Our Expanded Cable and Suppressor Kit (part number 0199000005) contains a selection of these suppression cores.

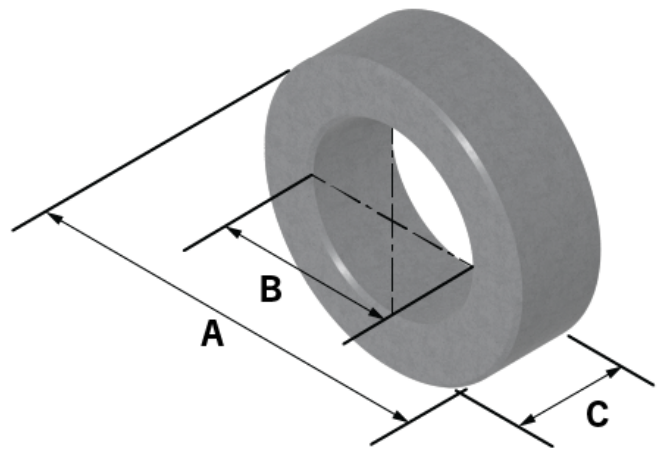
**For any cable suppression core not listed here, feel free to contact our customer service group for availability and pricing.**

[Catalog Drawing](#)  
[3D Model](#)

The C dimension may be modified to suit specific applications.

Weight: 2 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 12.7 | ±0.25  | 0.5          | —          |
| B   | 7.15 | ±0.20  | 0.281        | —          |
| C   | 4.9  | -0.25  | 0.188        | —          |



### Chart Legend

$\Sigma l/A$  : Core Constant,  $l_e$  : Effective Path Length,  $A_e$  : Effective Cross-Sectional Area,  $V_e$  : Effective Core Volume

$A_L$  : Inductance Factor 

| Electrical Properties |       |
|-----------------------|-------|
| $A_e(\text{cm}^2)$    | 0.129 |
| $l_e(\text{cm})$      | 2.95  |
| $V_e(\text{cm}^3)$    | 0.38  |

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288  
 888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • [ferrites@fair-rite.com](mailto:ferrites@fair-rite.com) • [www.fair-rite.com](http://www.fair-rite.com)