

# Round Cable Snap- Its (0446176451)



Part Number: 0446176451

46 ROUND CABLE CORE ASSEMBLY

#### **Explanation of Part Numbers:**

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade

Round cable snap- its can easily accommodate round cables or bundled wires with diameters from 2.5 mm (0.100) to 25.4 mm (1.000). These assemblies are available in four ferrite material classes to suppress differential or common-mode conducted EMI from 1 MHz into the GHz region. The polypropylene cases are meeting the RoHS restrictions of hazardous substances and have a flammability rating of UL 94 V-0.

Many of the snap- it parts have round core equivalents. See Round Cable EMI Suppression Cores.

Round Cable Snap- It Kits are available for each of the four suppression materials. 31 Snap- It Kit (0199000030), 43 Snap- It Kit (0199000031), 46 Core and Snap- It Kit (0199000032) and 61 Snap- It Kit (0199000033).

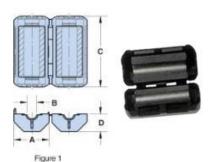
## Catalog Drawing 3D Model

The B dimension is the core inside diameter.

Weight: 161 (g)

Dim	mm	mm tol	nominal inch	inch misc.		
A	38.5	+/- 1.5	1.516	_		
В	18.00		0.709 min			
С	47.5	+/- 2.0	1.87			
D	19.15	+/- 1.5	0.755			

Cable Information						
Max Diameter	Max Dimension		Flat Cable Cores			
18 0.709	_	_	-			



### **Chart Legend**

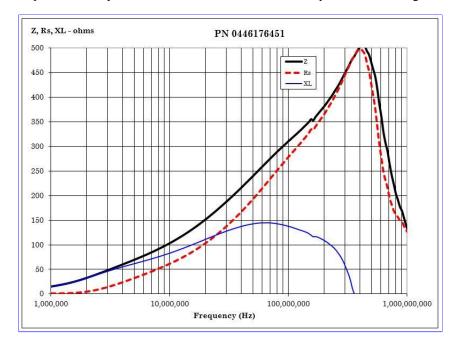
- + Test frequency
- •For solid cable cores, see Round Cable EMI Suppression Cores

Typical Impedance $(\Omega)$				
10 MHz	103			
25 MHz	170			
100 MHz <sup>+</sup>	312			
250 MHz	416			

Round cable snap- it assemblies are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is listed on our catalog drawing.

### **Catalog Drawing**

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.



888-324-7748

Fair- Rite Products Corp. One Commercial Row, Wallkill, New York 12589-0288

845-895-2055 Fax: 845-895-2629 ferrites@fair- rite.com www.fair- rite.com