Fair-Rite Products Corp.
Your Signal Solution®

# Round Cable Snap- Its (0475178281)

Part Number: 0475178281

75 ROUND CABLE 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: 23 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|---|---|---|---|---|
| A | 21 | +/- 1.0 0.827 | 0.827 | |
| B | 8.7 | _ | 0.343 min | |
| C | 39.4 | +/- 1.5 1.551 | 1.551 | |
| D | 10.5 | +/-1 0.413 | 0.413 | |

| Cable Information | | | |
|---|---|---|---|
| Max Diameter | Max Dimension | Solid Equivalent | Flat Cable Cores |
| 8.7<br>8.7 0.343 | – | 2675665702 | - |

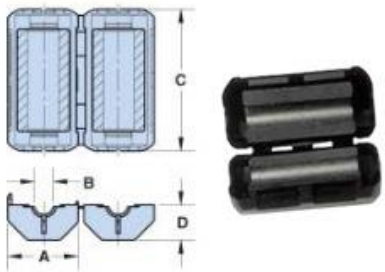


Figure 1

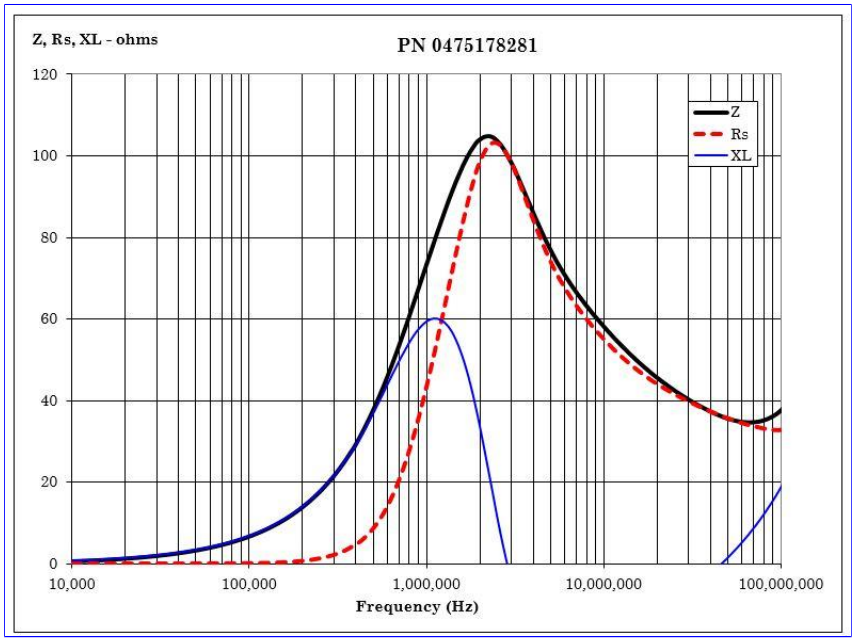
**Chart Legend**
+ Test frequency
•For solid cable cores, see Round Cable EMI Suppression Cores

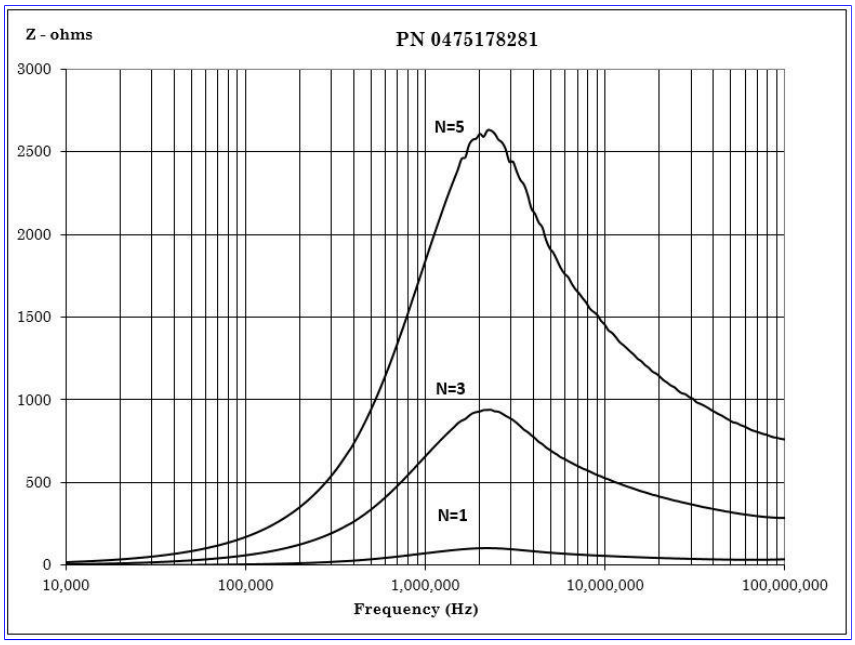
| Typical Impedance (Ω) | |
|---|---|
| 200 kHz | 14 |
| 500 kHz+ | 38 |
| 1 MHz+ | 75 |
| 2 MHz | 104 |
| 5 MHz+ | 76 |

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.




CSV Download

Fair- Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288
888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • [email protected] • www.fair- rite.com