

Flat Cable EMI Suppression Cores (2643180451)



Part Number: 2643180451

43 FULL FLAT CABLE CORE

Explanation of Part Numbers:

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

Flat cable suppression core can accommodate multi- conductors flat cables, in widths from 12.7 mm (0.500") up to 77 mm (3.0"). These flat cable cores are available in two ferrite material grades to reduce conducted EMI from 1 MHz to hundreds of MHz.

Our Expanded Cable & Suppressor Kit (part number 0199000005) contains a selection of these flat cable cores and clips.

Flat Cable Cores are available in selected sizes in the Flex Circuit & Ribbon Cable Core Kit (part number 0199000038).

Assembly clips are available for most of the split flat cable cores. See section Flat Cable Cores Assembly clips.

Weight: 3.9 (g)

Dim	mm	mm tol	nominal inch	inch misc.	Cable Information			
A	31	±1.00	1.22	-	Max Diameter	Max Dimension	Solid Equivalent	Flat Cable Cores
B	27	±0.70	1.063	-	0	26.30 x 0.70	-	-
C	6	±0.30	0.236	-				
D	5	±0.30	0.197	-				
E	0.8	±0.10	0.031	-	Chart Legend			
					+ Test frequency			

•For assembly clips see Flat Cable Cores Assembly Clips

Typical Impedance (Ω)	
10 MHz	10.5
25 MHz ⁺	20
100 MHz ⁺	45
250 MHz	70

Flat cable suppression cores, split or single cores, are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

Centered, single turn impedance tests for the 31 and 43 material parts are performed on the 4193A Vector Impedance Analyzer. All tests are made with the shortest practical wire length.

