

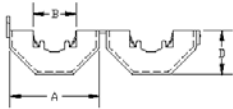
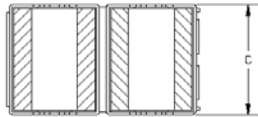
HIGH IMPEDANCE “SNAP-ON” SUPPRESSION CORES FOR 19mm & 25.4mm CABLES

To accommodate larger cable diameters and wire harnesses, Fair-Rite has introduced two new larger “Snap-It” suppression assemblies in two materials. These new cores are designed to fit 19mm (0.75”) and 25.4mm (1.0”) diameter cables. Both these new designs are available in the MnZn 31, as well as in the NiZn 44 material.

Plastic cases firmly hold the suppressor cores while allowing for an easy snap on installation. The cases are moulded from polypropylene with a UL 94-V0 flammability rating.

For additional information and samples, visit our web site at www.schaffner.com/uk, or phone 0118 977 0070.

MATERIAL SPECIFICATIONS



PROPERTY	UNIT	SYMBOL	44	31
Initial Permeability @ B <10 gauss		μ_i	500	1500
Flux Density @ Field Strength	gauss mT oersted A/m	B H	3000 10 @ 25°C	3400 5 @ 25°C
Residual Flux Density	gauss mT	Br	1100	2500
Coercive Force	oersted	Hc	0.45	0.35
Loss Factor @ Frequency	10 ⁻⁶ MHz	Tan δ / μ_i	125 1.0	20 0.1
Curie Temperature	°C	Tc	.160	.130
Resistivity	Ω cm	ρ	1 x 10 ⁸	3 x 10 ⁸

Part Number	Max. Cable Diameter	A	B*	C	D	Typical Impedance (Ω) ¹		
						10MHz	25MHz	100MHz
0431176451	18.7	38.6	18.35	47.5	19.15	130	225	380
	0.736	1.52	0.722	1.87	0.754			
0444176451	18.7	38.6	18.35	47.5	19.15		175	365
	0.736	1.52	0.722	1.87	0.754			
0431177081	25.9	56.4	25.4	42.95	27.45	145	235	375
	1.02	2.22	1.00	1.69	1.08			
0444177081	25.9	56.4	25.4	42.95	27.45		195	340
	1.02	2.22	1.00	1.69	1.08			

Dimensions (Bold numbers are millimetre, light numbers are nominal in inches)

*Nominal core dimension

¹ Guaranteed Zmin is Z Typ -20%

