



## ECOFOAM™ BLACK CONDUCTIVE FOAM

Laird's Ecofoam™ CF-600 Black offers an innovative approach to traditional shielding and grounding by providing X, Y, and Z-axis conductivity, enhancing the shielding effectiveness required to meet the increasing microprocessor speeds of today's computer, telecommunications, and other electronic equipment. CF-600 can be customized to your application by die-cutting, hole-punching, notching, and so on and is especially useful for odd-shaped applications which are difficult to shield with typical profile gaskets. CF-600 is designed for low-cycling applications such as input/output (I/O) shielding and other non-shear standard connectors.

### FEATURES



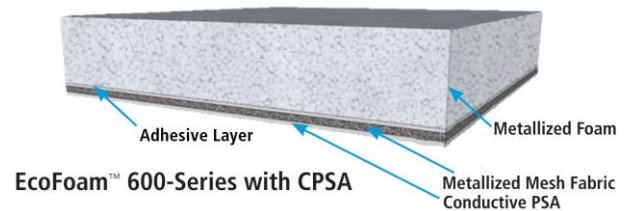
- RoHS compliant
- Halogen-free per IEC-61249-2-21 standard
- Excellent z-axis conductivity to provide effective EMI shielding and grounding
- Low compression forces allow for use of lighter materials
- Available with or without conductive PSA
- Supplied with conductive PSA

### MARKETS

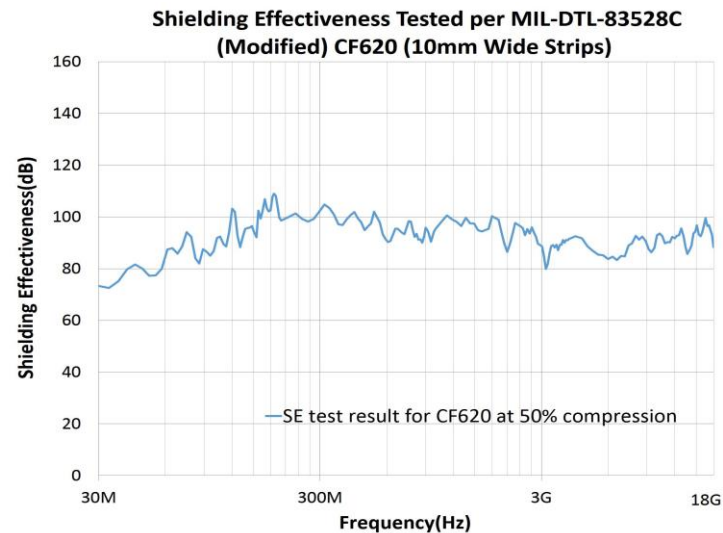
- Servers
- Cabinet Applications
- Network and Telecommunication Equipment
- LCD and Plasma TV
- Medical Equipment
- Desktop Computers
- Printers
- Laptop Computers
- Tablets and Smartphones

## ECOFOAM™ 600-SERIES

THICKNESS	DESIGNATION
0.3 mm	CF603
0.5 mm	CF605
0.7 mm	CF607
1.0 mm	CF610
1.5 mm	CF615
2.0 mm	CF620
2.5 mm	CF625
3.0 mm	CF630



## SHIELDING EFFECTIVENESS



## PHYSICAL PROPERTIES

ITEM	UNIT	VALUE	TEST METHOD
Thickness	mm (±0.2 mm) mm (±0.5 mm)	0.3, 0.5, 0.7 1.0, 2.0, 3.0, 4.0	-
Z-Axis Resistance*	Ω	<0.5	Laird Internal
Shielding Effectiveness (CF620 Black)			MIL-DTL-83528C (modified)
300 MHz	dB	102	
3 GHz	dB	90	
18 GHz	dB	88	
Compression set	%	<20	ASTM D3574 (mod)
Operation Temperature	°C	-10 to 60	-
Hazardous Substance	Compliant with RoHS (Directive 2011/65/EU)		
	Halogen-free per IEC-61249-2-21 Standard		
Shelf Life	12 months at 23°C/ 60% R.H.		

\*1.0 in<sup>2</sup> sample size, 1000gf loading

Values presented have been determined by standard test methods and are typical values not to be used for specification purposes.

## ORDERING INFORMATION

### PART NUMBER EXAMPLE

Digits:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	C	F	6	3	0	A	A	0	1	0	5	0	2	0	0	
PRODUCT NAME (CF500/CF600 series) EX: CF630						SITE ENG CODE: this is defined by site eng team (refer to "SITE ENG CODE" sheet) AA, AB, AC...A9 etc	PRODUCT WIDTH (WIDEST) EX: 0105=10.5mm					PRODUCT LENGTH (LONGEST) EX: 0200=20.0mm EX: 020M=2.0m (if the part length is over 999.9mm, please define digit #15 as m[meter])				

EMI-DS-FOF-ECOFOAM-600-BLACK 061917

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