

Portable RF/EMI Shielded Enclosures

Select Fabricators' RF/EMI Shielded Portable Enclosures allow easy set up and break down for quick deployment when and where the enclosure is needed. As an affordable alternative to traditional hard wall chambers, SFI's soft wall enclosures match shielding effectiveness in comparison. Independent testing to IEEE® 299 of a complete assembled tent system including installed components, resulted in a minimum signal attenuation of -85.7 dB over a range of frequencies from 400 MHz to 18 GHz measuring through the wall at multiple locations. Customers can choose from an SFI standard size enclosure or opt to have an enclosure designed and built to custom specifications

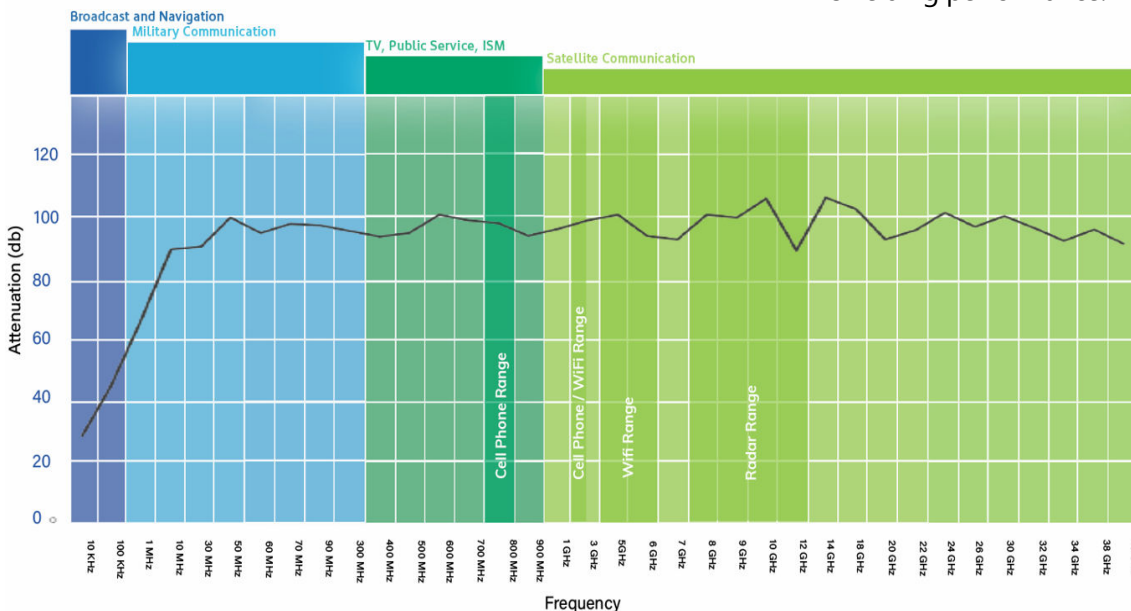


Optimum Protection

Manufactured using NovaSelect™ RoHS Compliant silver/copper/nickel conductive fabric and utilize single door (**US Pat. No. 9,029,714**) or double door (**US Pat. No. 8,530,756**) patented seal system. The double magnet strip closure delivers maximum isolation.

Construction

Made in the USA, SFI's RF/EMI Shielding Enclosures' exterior fabric walls are Nova Select™ conductive silver/ copper/ nickel RoHS compliant material. A double layer fo this fabric has average shielding effectiveness of -96 dB in the range of 30 MHz to 1 GHz and averages -97 dB in the range of 1 GHz to 40 GHz. Optional penetrations will have an effect on the shielding performance.



Applications

EMC Testing

Secure Communications

Vehicle Testing

Wireless Device Testing



Series 100 Frames
Pop-up style steel frame from 8' x 8' to 10' x 20' with adjustable height.



Series 500 Frames
Heavy-duty round extruded aluminum frame. Easy socket connection principal of the internal tension system minimizes assembly time.



Series 300 Frames
Heavy-duty rectangular aluminum frame with a wide range of structural profiles. Frames are configured to meet enclosure size and weight.



Patented Door Closure System
Using two strips of heavy-duty flexible magnet to create a tight conductive seal, allows attenuation levels to exceed -90 dB. Single door (US Pat 9,029,714) or double door (US Pat 8,530,756)



IO Filter Plates and Panels
Integrated IO filter plates with standard or high-performance power filters. Can include filtration for Ethernet, USB, SMA, BNC, N-type, Fiber Optics, and more.

Specifications

- Standard size patented double magnet door size: 40" x 70"
- Heavy duty tarp flooring to protect the conductive floor
- Protective tent carry/storage bag
- Frame style of your choice
- Shielding Effectiveness Certificate
- Complete assembly instructions
- One-year limited warranty

Construction:

- Flame retardant/resistant liner
- ESD liner to provide static control
- Sound reduction/absorbing lining and sound masking systems
- Exterior covers for outdoor deployment
- Vestibule entrance
- Zero-threshold door
- Custom size door
- Shielded Windows
- Single or double layer of shielding fabric

Transport:

- Pelican storage cases
- Shipping cases
- Airline compatible travel cases
- Frame cases

Other:

- RF / microwave absorbing foam
- I/O filter plates
- EMI hardened lights
- In-house or independent IEEE 299 (1-18 GHz testing) of completed enclosure
- Custom engineering/design of enclosure

Standard Enclosure and Series 100 Frame Size					
Enclosure Size			Frame Size		
Length	Width	Height	Length	Width	Height
48"	48"	78"	5'	5'	8'
7'	7'	6'6"	8'	8'	8'
7'	7'	8'	8'	8'	9'7"
9'	9'	6'6"	10'	10'	8'
9'	9'	8'	10'	10'	9'7"
9'	14'	6'6"	10'	15'	8'
9'	14'	8'	10'	15'	9'7"
9'	19'	6'6"	10'	20'	8'
9'	19'	8'	10'	20'	9'7"
9'	19'	10'	10'	20'	11'7"