MADE IN USA

Purpose: Used to make RF/EMI Shielded Enclosures and Test Chambers.

Description: Silver, copper, nickel plated (Ag/Cu/Ni) ripstop nylon, lightly coated with Acrylic 40.

Surface Resistivity: 0.006 ohms/sq" max, -0.004 ohms/sq" avg, cpk<38

Flame Resistance: Nova shielding fabric is not rated for flame resistance.

Abrasion Resistance: 1,000,000 cycles

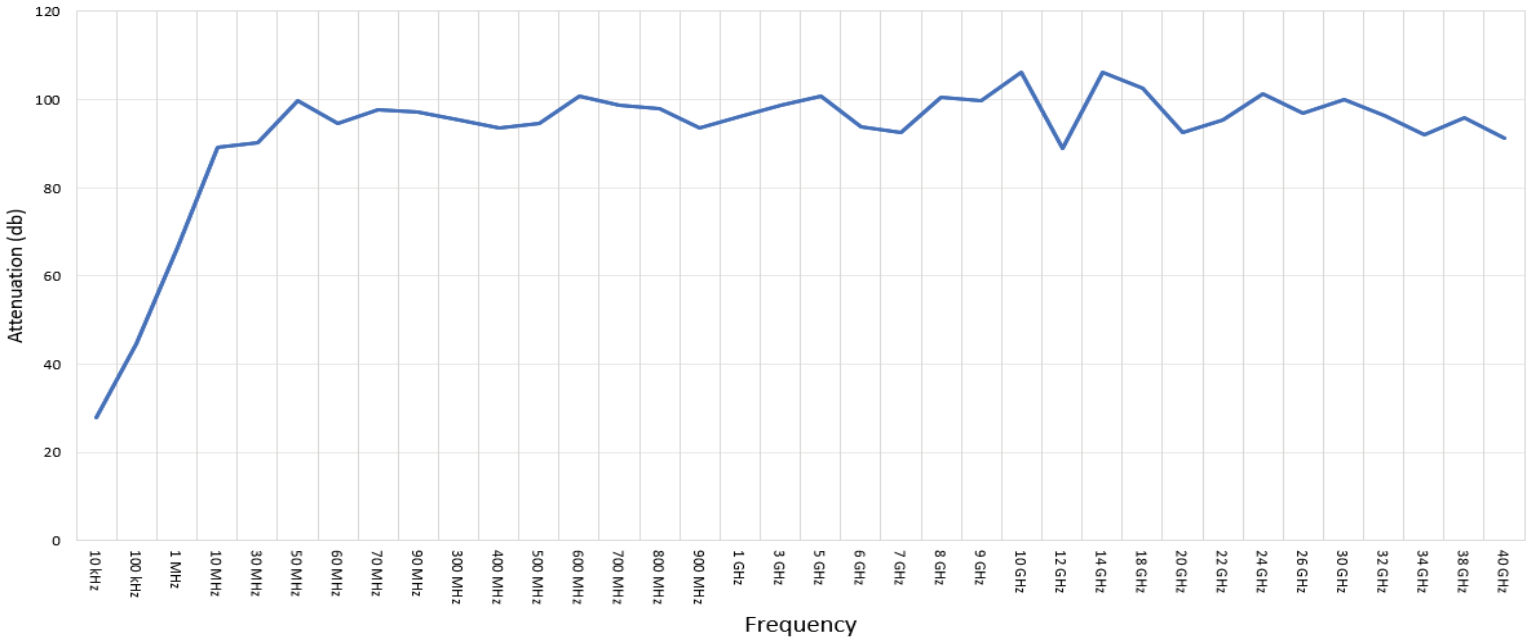
Temperature Range: -30 C - 90 C

Total Thickness: 0.130mm (.0048") nominal

Weight: 95 g/sq meters

RoHS Compliant
High Attenuation
Flexible and Durable
Protective Against Galvanic Corrosion

Shielding Effectiveness of Double Layer Nova



MADE IN USA

Portable RF/EMI Shielded Enclosures

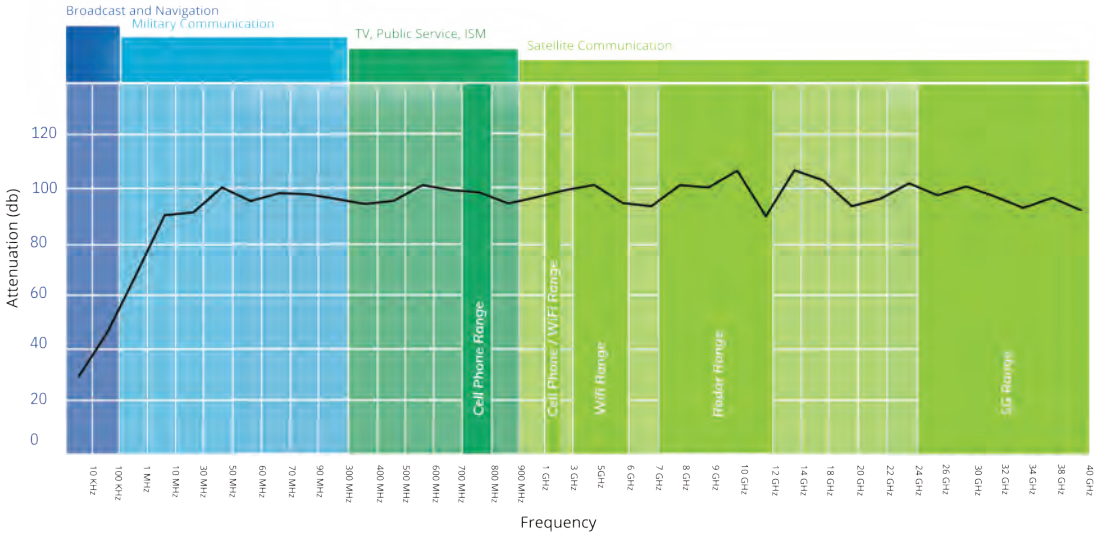
The RF/EMI Shielded Portable Enclosures allow quick and easy set up and break down for rapid deployment whenever the enclosure is needed. As an economical alternative to traditional hard wall chambers, SFI's RF Shielded Tents and Enclosures match shielding effectiveness in comparison. Independent testing to IEEE® 299 of a complete assembled tent system including installed components, resulted in a minimum attenuation of -85 dB over a range of frequencies from 20 MHz to 40 GHz measuring through the wall at multiple locations. Customers can choose from standard size enclosures or opt to have an enclosure designed and built to custom specifications.

Optimum Protection

Manufactured using Nova Select™ 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 throughout the life of the Enclosure.

Construction

Made in the USA with Nova Select™ fabric. Nova Select™ is a silver/copper/nickel conductive fabric with an average shielding effectiveness of over -95 dB in the range of 20 MHz to 40 GHz. Optional penetrations can have an effect on the overall shielding performance. Berry Amendment compliant fabrics available.



Applications

- EMC Testing
- Vehicle Testing
- Signal blocking

MADE IN USA

Series 500 Frames

Heavy-duty round extruded aluminum frame with tension system connectors. Includes tighter profile and more rugged frame.
Tools: Hex key
Frame Set-up: 15-45 minutes

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 after over 5000 openings.
Single door (US Pat 9,029,714) or double door (US Pat 8,530,756).

IO Filter Plates and Panels

Integrated IO filter plates. Can include filtration for AC Power, Ethernet, USB, SMA, BNC, N-type, Fiber Optics, and more.

Standard Features

- Standard size patented double magnet door size: 32" x 70" (~ 81,28 x 177,8 cm)
- Heavy duty tarp flooring to protect the conductive floor
- Protective tent carry/storage bag
- Shielding Effectiveness Certificate
- Complete assembly instructions and engineering support
- One-year limited warrant

Liners

- Flame retardant /resistant liner
- ESD liner to provide static control
- Sound reduction/absorbing lining and sound masking systems

Construction Options

- Exterior covers for outdoor deployment
- Vestibule entrance
- Zero-threshold door
- Custom size door
- Shielded Windows
- Rugged flooring option
- 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