

Military Shielded Cabinet



Military Shielded Cabinets are a complete line of MIL-STD 285/IEEE-299-2006 fully welded, military grade FRF shielded enclosures for mission critical applications. These shielded enclosures feature an EMI gasket material that compresses against a plated surface area, creating the appropriate shielding seal to control radiated emissions.

Specifications:

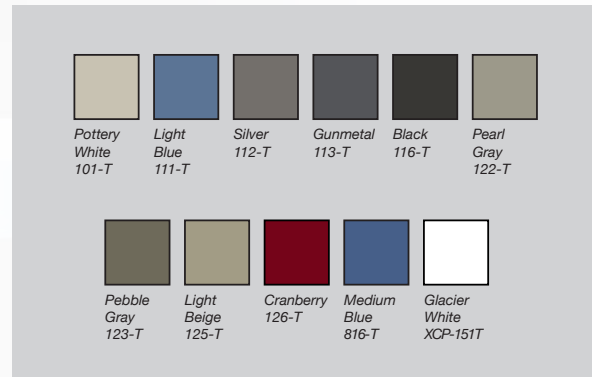
- Static load rating of 3,500 lbs.
- IEEE-299-2006 (previously MIL STD 285) Standard for Electromagnetic Shielding
- MIL STD810E Vibration
- EIA 310D Equipment Mount Specification
- QQ-P-416F Cadmium Plated (Class 3, Type 2, Yellow)
- Three-point latch doors provide maximum shielding compression
- Choice of punched or #10-32 tapped mounting channels
- Gasket is field replaceable
- Standalone or multi-bay (in-line configurations)
- Available in 11 standard colors
- Custom branding available
- Ten year warranty
- Custom sizes and designs available with AMCO's in house design team

19" Width Frames

RU Height	Overall Height	25.5" Depth	30" Depth	36" Depth
45	78.87"	FRF78-19-25	FRF-78-19-30	FRF-78-19-36
40	74.50"	FRF70-19-25	FRF-70-19-30	FRF-70-19-36
35	65.75"	FRF61-19-25	FRF-51-19-30	FRF-51-19-36
30	57.00"	FRF52-19-25	FRF-52-19-30	FRF-52-19-36
26	50.00"	FRF45-19-25	FRF-45-19-30	FRF-45-19-36
12	25.50"	FRF21-19-25	FRF-21-19-30	FRF-21-19-36

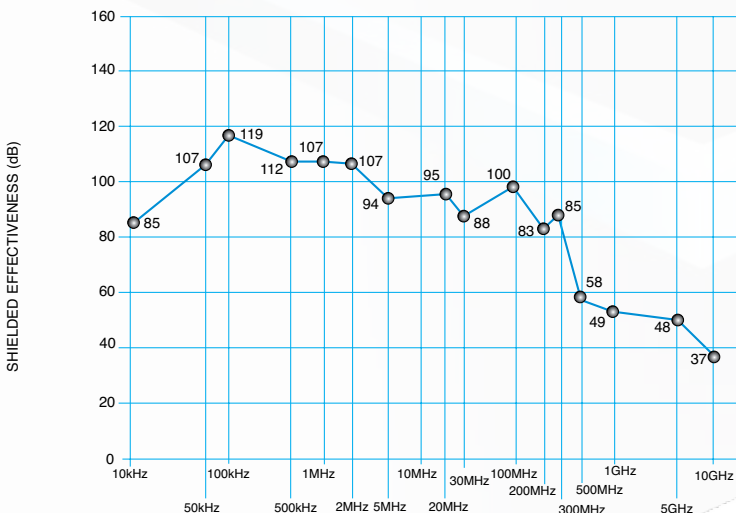
Note: For 24" width, change 19 to 24 in part number.
(i.e. FRF78-19-25 becomes FRF78-24-25)

Cabinet Color Options:



AMCO Enclosures offers standard color choices (up to 2 per console) for no extra charge. Custom colors are available and quoted upon request.

FRF - SHIELDING EFFECTIVENESS



Attenuation

The chart shown here is the result of the MIL-STD-285 (10 KHz - 10 GHz) test conducted at an independent facility to verify attenuation levels of AMCO Enclosures' Shielded FRF frame. For additional information contact AMCO directly.

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Top/Bottom Panels

Shielded top/bottom panels are available in two widths and three depths, in a solid plate that bolts to the enclosure for optimal shielding effectiveness.

Note: Perforated and solid cover plates are available, as well as honeycomb filters and protective grille for honeycomb.



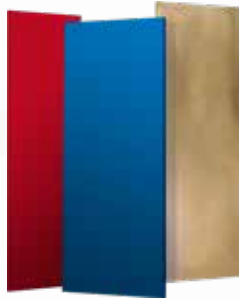
Doors

Shielded doors are face mount, .875" deep and available in six heights, two widths and feature three-point compression latching for proper shielding. They also include an aluminum "T" handle and lock. Open or vented top and/or bottom options available.

Note: Open doors have assembly options of honeycomb filter (HCRF8) or grille (GCRF8-1).

Solid Side Panel

Shielded side panels are solid and available in six heights and three depths. They have a .531" formed flange design that bolts flush to the side of the enclosure for optimal shielding effectiveness.



Frame Connector

The shielded frame connector features a one-piece design and is used between two enclosures when joining multiple bays together in a series. It has a yellow cadmium-plated finish for shielding integrity and is available in the same six heights and three depths as the corresponding enclosures.



Mounting Channels

Mounting channels mount to the frame's side struts and are adjustable front-to-rear for full-depth adjustment of rack mount equipment. All mounting channels feature a clear zinc finish and include mounting hardware.



Full Length Enclosure Panels

In order to maintain shielding seal, a panel spacer must be used between adjoining panels to maintain attenuation.



Pedestal Base

Pedestal bases are independent of shielded enclosures and must be ordered separately. When adding casters for mobility, this base is available with or without caster mounting brackets. The bases are 3" high and bolt to bottom of the shielded enclosure. Pedestal bases also provide 2" of toe space in the front or rear of the cabinet and an ideal area for electrical boxes. They are available in two widths, three depths and are available in our 11 standard colors.



Enclosure Panels

Enclosure panels are used to block out specific RU's for current and future deployment, or to provide a finished look for your overall system.



Casters

Casters for shielded enclosure bases mount outside the shielded envelope directly to the pedestal base. Casters come complete with all necessary brackets, shims and mounting hardware. Swivel, rigid and brake options available.



Cable Entry Housing

Cable entry housing mounts on the plated surface of a one third open top-and-bottom panel. This design provides either vertical or 90° entry of cables. It includes one cover plate. Gasketing is provided with one third open panel and will not be provided unless ordered separately.

