

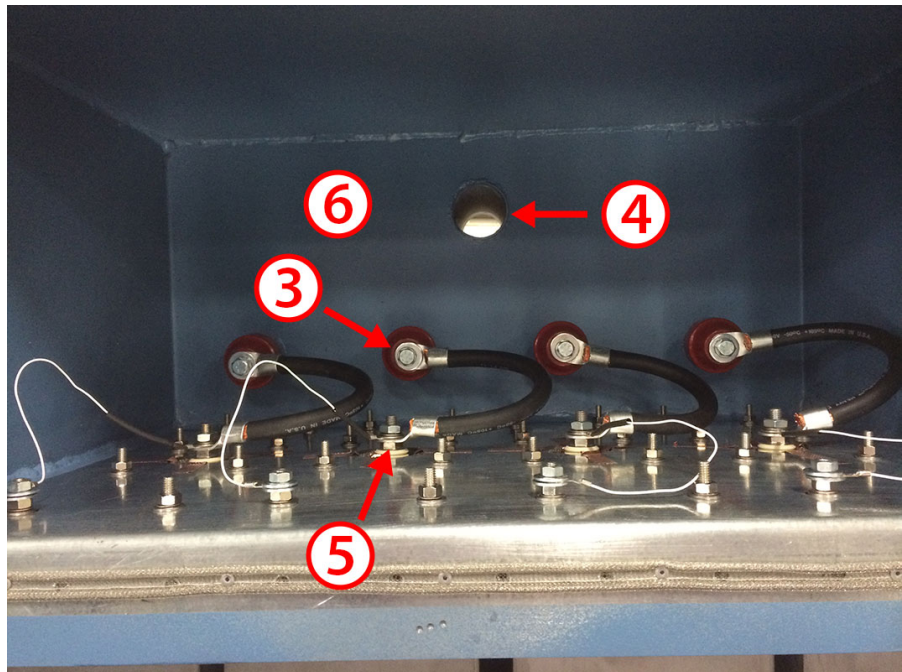


Universal Shielding has been in business serving the EMI community for the past 48 years. We offer Power Line Filters, Communication Filters, and Ethernet Filters for all applications.

We stock a wide variety of filters and can offer expedited deliveries.

**Facility Power Line Filters · USC-W-(AMPS)-B(# of lines)
High Performance Series Capacitive Input · 100 db from 14 KHz - 18 GHz**

1. R.F. Shielding Compartment
2. EMI Gasket
3. Standoff Isolator
4. R.F. Welded Filter Pipe Penetration (Optional)
5. Discharge Resistor
6. Filter Compartment
7. Removable Internal Filters
8. R.F. Filter Cabinet



UNIVERSAL SHIELDING POWER FILTER

MODEL USC-W-XXX-BX

Part No.	Amperage	Height (A)	Width (B)	Depth (C)
USC-W-50-B4	4x60 Amp.	39-3/4"	24-3/4"	17"
USC-W-100-B4	4x100 Amp.	39-3/4"	24-3/4"	17"
USC-W-150-B4	4x150 Amp.	39-3/4"	24-3/4"	17"
USC-W-200-B4	4x200 Amp.	39-3/4"	24-3/4"	17"
USC-W-250-B4	4x250 Amp.	39-3/4"	24-3/4"	17"
USC-W-300-B4	4x300 Amp.	39-3/4"	24-3/4"	17"
USC-W-400-B4	4x400 Amp.	59-3/4"	24-3/4"	17"
USC-W-500-B4	4x500 Amp.	59-3/4"	24-3/4"	17"
USC-W-600-B4	4x600 Amp.	59-3/4"	24-3/4"	17"
USC-W-700-B4	4x700 Amp.	59-3/4"	24-3/4"	17"
USC-W-800-B4	4x800 Amp.	59-3/4"	24-3/4"	17"

FACILITY FILTER FUNCTIONAL CHARACTERISTICS

- Voltage Ratings:
 - 10 - 1000 VDC
 - 120/208 VAC (50/60 Hz) 277/480 VAC (50/60 Hz)
- Voltage Drop:
 - 2% maximum at full rated unity power factor load.
- Harmonic Distortion:
 - 4% maximum at full rated unity power factor load
- Temperature Rating:
 - MIL-PRF-15733
- Current Overload:
 - 140% maximum current rating for 15 minutes
- RF Attenuation:
 - Greater than 100 dB isolation
- Dielectric With-Standing Voltage:
 - 1500 VDC
- Insulation Resistance:
 - MIL-PRF-15733
- Insertion loss:
 - 100 dB 14 KHz to 18 GHz Per MIL-STD-220A
 - 50/50 Ohm System
- Flexible Connection between Filter & Stand Off Isolator

INTERNAL FILTERS

- Low Pass filter circuits ~ passive components which includes inductors, capacitors, resistors and optional transient suppression devices
- Manufactured and tested per applicable portions of MIL-PRF-15733
- Filter cases 14 gage, CRS, plated finish
- Sealed with welded and soldered seams for shielding effectiveness
- Discharge resistors incorporated to eliminate potential shock hazard

ENCLOSURE

- Modified NEMA type fabricated panel of 14 gauge cold rolled steel painted blue
- RF tight inner area secured with RF gasket for 100 dB minimum shielding effectiveness, 14 kHz to 18 GHz
- Pre-wired standoffs and cable lugs
- Front covers access to filters and terminal standoffs
- RF pipe penetration

APPLICABLE SPECIFICATIONS

- Military Specifications
 - MIL-PRF-15733 General
- Military Test Methods
 - MIL-STD-202 Environmental
 - MIL-STD-220 Insertion Loss
 - MIL-STD-285 Shielding Effectiveness