

FURUTECH

PURE TRANSMISSION



Power Guard-E48
Furutech Inline Filter Power Supply Cable

AC Power Can Make or Break Your System!

The audio you hear from your home entertainment system is essentially the incoming electricity itself, and the typically violent storms riding the AC line and its ground is very detrimental to the performance of your components.

The **Power Guard-E48** is a sophisticated finished inline power filtering cable that eliminates many common problems caused by contaminated electrical power lines. It protects against distortion caused by ground noise, voltage spikes and sags, high frequency power supply noise from other components in your own system, and finally high-frequency digital noise emanating from processors and digital interconnects.

Plus you're never alone when you take your listening seat; the residential AC supply is shared with other apartments, homes, and businesses on the same utility transformer explaining why many enthusiasts find their systems perform to a higher standard late at night and over weekends.

And while the **Power Guard-E48** is a star performer at eliminating common AC problems, it does it all without restricting current draw in any way. Furutech, known for its world-class Pure Transmission engineering, build and finish, have done the tests and the **Power Guard-E48** does not interfere with current draw. The Furutech FI-E48(R) AC connector perfectly complements Furutech's NEW - (Alpha) PC-Triple C Power cable - The precision of a sword - The Samurai knew a thing or two about precision engineering: who could argue with the razor-sharp technology of the katana, the Samurai sword? Key to its craftsmanship was a forging process involving repeated rounds of metal folding. Furutech's Alpha PC-Triple C conductor mirrors

that technique, using an ingenious proprietary forging process in which variable high pressures are applied to high-purity oxygen-free copper, essentially folding the metal tens of thousands of times. The copper's crystal grain boundaries are thus transformed from a vertical direction into a longitudinal orientation, allowing the electrical signal to flow considerably more smoothly along the completed cable, creating a much more highly conductive and sonically compelling conductor.

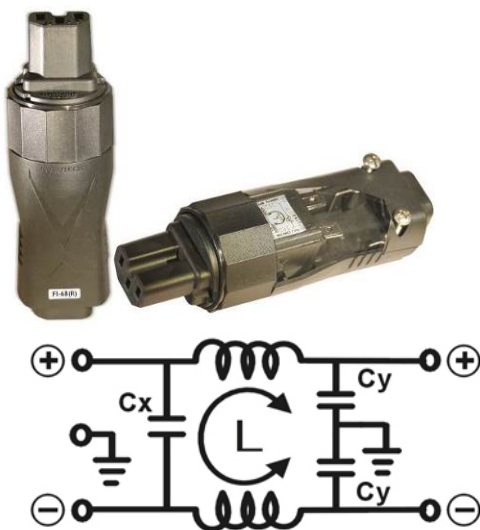
The **Power Guard-E48** Inline AC Filter lowers noise on every component on which it's used resulting in very natural and extremely fine resolution down and through the utterly silent noise floor. It improves soundstaging and imaging while creating nuanced high frequencies, an attractive, engaging midrange, tight and controlled bass, with power and dynamics to spare.

Amazing Features

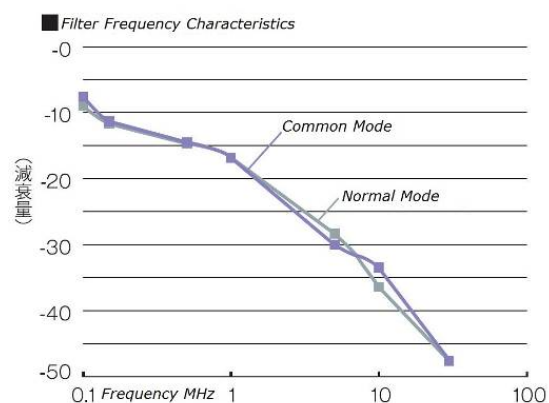
- Fitted with Rhodium-plated Furutech FI-E48(R) and FI-68(R) Filter IEC connector
- Eliminates radiated AC noise
- EMI-filtering IEC features Rhodium-plated α (Alpha) nonmagnetic pure copper conductors
- A parallel circuit with an in-line coil and capacitor that reduces noise at 100KHz by 8dB and at 500KHz by 14 dB and at 10MHz by more than 30dB
- Using nylon and fiberglass also incorporates a special concentrated stainless steel fiber resin in FI-68 Housing improves EMI shielding – attaining above 40dB of EMI shielding effectiveness.
- α (Alpha) conductor shield for protection against radiated noise
- RoHS-compliant flexible PVC sheath improves vibration isolation
- Special high-grade flexible PVC Insulation contributes to reduced capacitance
- Floating Field Damper™ (Earth/Ground Jumper System) with US Patent No.: 6,669,491/ European Patent (EP1445837)

The FI-68 Inner EMI Filtering IEC Input

The parallel circuit with in-line coil and capacitor reduces noise at 100 KHz by 8dB and at 500 KHz by 14dB and at 10MHz by more than 30dB



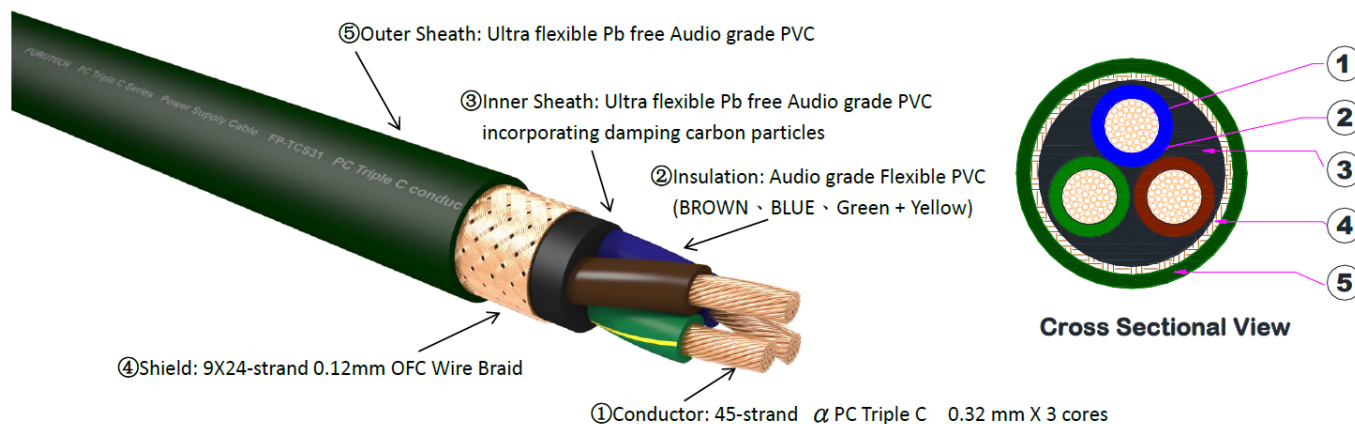
L: 0.2mH – Cx: 0.1uF – Cy: 2200pF x 2



- Rhodium-plated α (Alpha) nonmagnetic pure copper conductors
- Inner cover • Nylon fiberglass
- Inner Box • Nylon fiberglass
- Inner parts held in place with Piezo Epoxy
- Outer cover and Housing material formed of nylon and fiberglass also incorporates a special concentrated stainless steel fiber in resin. This combination of materials promotes static dissipation and improves EMI shielding – attaining above 40dB of EMI shielding effectiveness.
- Rating • AC 250V 10A 50/60Hz

Cable Specifications

- Conductors: 45-strand PC Triple C 0.32mm x 3 cores
- Insulation: High-grade Flexible PVC (Brown \ Light Blue \ Green With Yellow Stripping)
OD: 5.0mm diameter approx.
- Inner Sheath: High-grade Flexible PVC (Black)
- Shielding: 0.12mm OFC Wire Braid
- Sheath: RoHS-compliant flexible PVC (Dark Green), 16.0mm diameter approx.
- Length: 150cm approx.



All metallic parts are treated with the

**FURUTECH α (Alpha) Process (Super Cryogenic & Demagnetizing Treatment.)*

Make A More Powerful Connection with Furutech!

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