

# FURUTECH

PURE TRANSMISSION



Make A More Powerful Connection With  
Furutech Pure Transmission Technology

## The Furutech Flux-50 Inline Power Filter



AC-1501R EMI-filtering IEC



High Fidelity



### 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 Flux-50 is a sophisticated, luxuriously made and finished inline power filtering unit 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, plus high frequency digital noise from processors and digital interconnects.

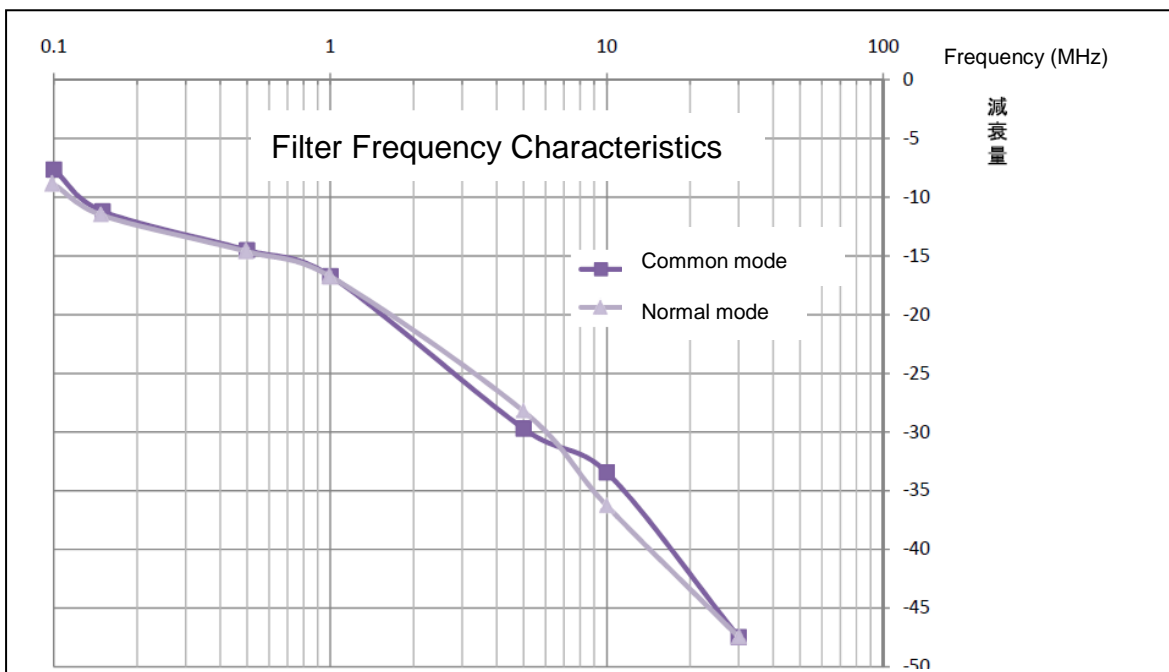
You're never alone when you take your seat; the residential AC supply is shared with other apartments, homes, and businesses on the same utility transformer explaining why many enthusiasts notice their systems perform to a higher standard late at night and weekends.

The Flux-50 features the Innovations Award winning FI-50 power connector. They combine two "active" materials: Nano-sized ceramic particles and powdered carbon. Nylon and fiberglass are incorporated as well forming an extremely effective, *mechanically and electrically* nonresonant connector body that may just be the most sophisticated in the world. And it incorporates the AC-1501R EMI-filtering IEC connector.

The Flux-50 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 image palpability and creates musical highs, an attractive, engaging midrange, tight and controlled bass, plus you'll notice power and dynamics to spare.

## Features

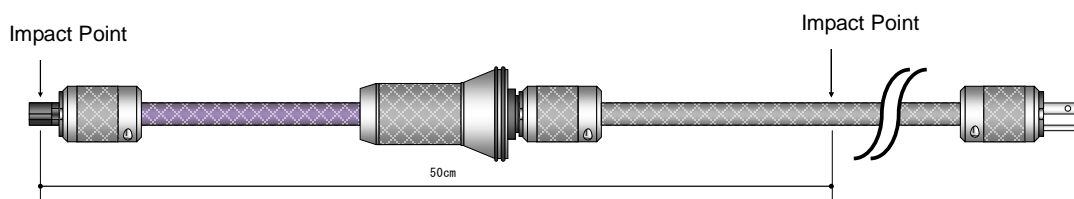
- For connection between power cables and power distributors or power cables and components. Eliminate and prevent radiated AC noise
- Fitted with Furutech's top-of-the-line Piezo Ceramic rhodium-plated  $\alpha$  (Alpha) nonmagnetic FI-50R connector
- AC-1501R EMI-filtering IEC, rhodium-plated  $\alpha$  (Alpha) nonmagnetic copper alloy conductors
- AC-1501R EMI filter features a parallel circuit with in-line coil and condenser, reducing noise at 1MHz by 10dB and at 10MHz by more than 30dB
- Floating Field Damper (Earth/Ground Jumper System) US Patent No.: 6,669,491
- Patent-pending metal cable clamp improves grip and reduces mechanically and electrically induced distortion
- $\alpha$  (Alpha) conductor shield for protection against radiated noise
- RoHS-compliant flexible PVC sheath improves vibration isolation
- Special high-grade PE Insulation contributes to reduced capacitance
- Incorporating Furutech's special passive GC-303 EMI filtering material
- Filter held in housing with resonance damping Piezo epoxy



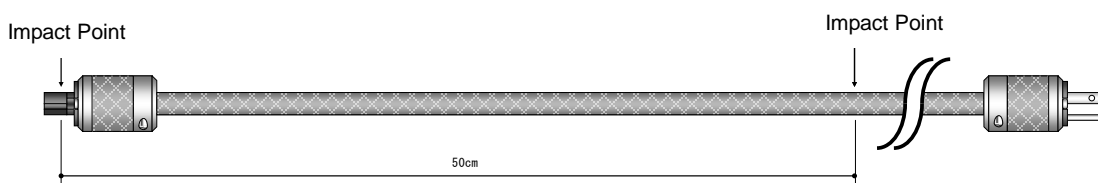
## Resonance damping test: Measurement Method

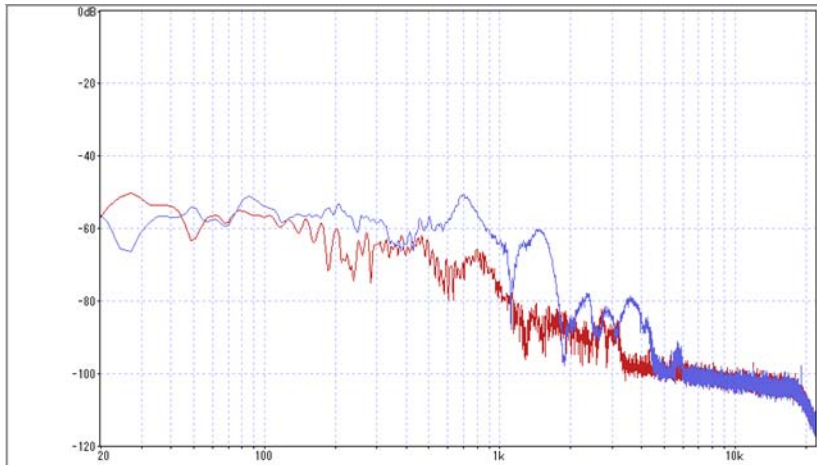
Impact shock applied to test points and results measured with a resonance sensor

Flux-50 Filter fitted cable:



Cable without Flux-50 Filter





## Measured Flux-50 Filter Resonance Damping Effect

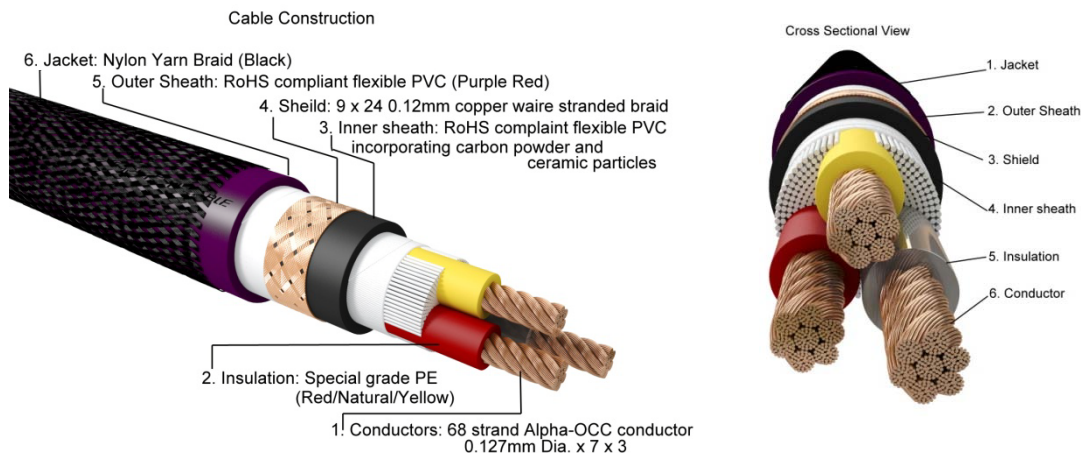
With Flux-50 Filter (Red Line)

Without Flux-50 Filter (Blue Line)

Results clearly show Flux-50 Filter reducing reduces noise, oscillation and resonance in the cable by a factor of 10, resulting in very natural and extremely fine resolution down and through the utterly silent noise floor.

### Cable Specifications:

- 68-strand  $\alpha$  (Alpha) OCC conductor • 0.127mm x 7 x 3 cores, 2.8mm diameter
- Inner Sheath: RoHS-compliant flexible PVC incorporating carbon powder
- Insulation: Special PE (Red/Natural/Yellow) 5.4mm diameter
- Sheath: RoHS-compliant flexible PVC (Purple red) 16.5mm diameter
- Shield: 0.12mm diameter  $\alpha$  (Alpha) Conductor wire braid
- Jacket: Nylon yarn braid approx. diameter 17.5mm



## Make A More Powerful Connection with Furutech!

FURUTECH CO., LTD. [service@furutech.com](mailto:service@furutech.com)

All metallic parts are treated with the

**\*FURUTECH  $\alpha$  (Alpha) Process (Super Cryogenic & Demagnetizing Treatment.)**