

FURUTECH

PURE TRANSMISSION

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Audio Excellence Award 2008



New!

FI-50M(R) Piezo Ceramic Series Power Connectors

MSRP: \$217.80/each Male or IEC • Available: Now

Coming Soon: Powerflux Power Cord with FI-50M Connectors Standard



Tokyo • July 17th, 2008 • Furutech Co., Ltd., manufacturer of analog and digital audio and video cable and accessories, debuts what may be the most sophisticated and thoroughly engineered AC connectors in the world, the FI-50M(R).

**Piezo Ceramic Series Connectors
A Furutech First!**

Furutech's Pure Transmission FI-50 Piezo Ceramic series connector bodies and housings feature several breakthrough construction techniques.

Furutech's beautifully-finished FI-50(R) IEC and FI-50M(R) Piezo Ceramic series connector housings are made of multiple layers of carbon fiber in a damping and insulating acetal copolymer, surrounded by nonmagnetic stainless steel bands.

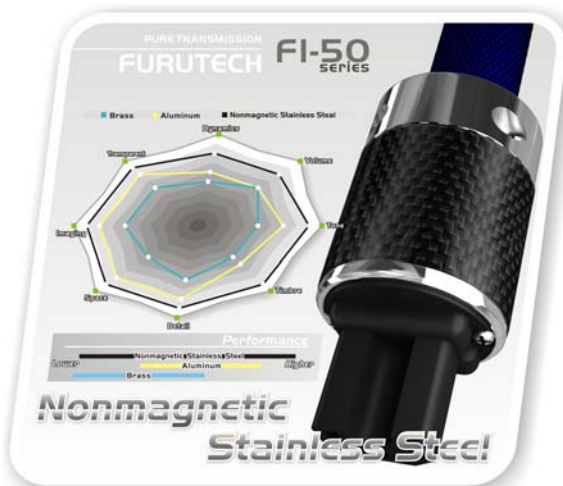


The connector bodies (left) combine two "active" materials: Nano-sized ceramic particles and powdered carbon. Nylon and fiberglass are incorporated as well forming an extremely effective, *mechanically and electrically* nonresonant connector body that may just be the most sophisticated in the world.

Piezoelectrics are the key! Furutech's breakthrough in design and materials is based on nano-sized polycrystalline ferroelectric ceramic particles that exhibit *electro-generative* properties; mechanical pressure actually creates an electrical charge. The effect bridges electrical and mechanical movement or resonance.

The incorporated carbon powder exhibits *thermal-conductive* characteristics. It interacts with the mechanically-to-electrically charged ferro-ceramic particles converting their energy into heat that's conducted away and released from the surface of the connector body. No element of signal transfer is too small in the search for Pure Transmission perfection.

These carefully chosen and tested interactive materials mechanically and electrically damp the connector as they "interconvert" thermal, mechanical, and electrical energy for the finest sound imaginable.



Plug a superbly engineered FI-50-equipped power cord into one of Furutech's resonance-damped carbon fiber and stainless steel outlets filled with top-quality Furutech receptacles and you've gone a long way towards better sound. Add a Power 6, e-TP609 power distributors or e-TP80 filtered AC distributor to connect all your components for a powerful, emotive and satisfying musical experience.

Floating Magnetic Field Effects The Furutech Earth/Ground Jumper System

How far will Furutech's engineers go in their attempts to reach Pure Transmission reference quality? Their concentrated examination of each and every element of signal transfer resulted in another breakthrough technology, the Furutech Earth/Ground Jumper System. This technique eliminates EMI (Electromagnetic Interference) induced in metal parts like screws that are close to the larger field around the connector housing.

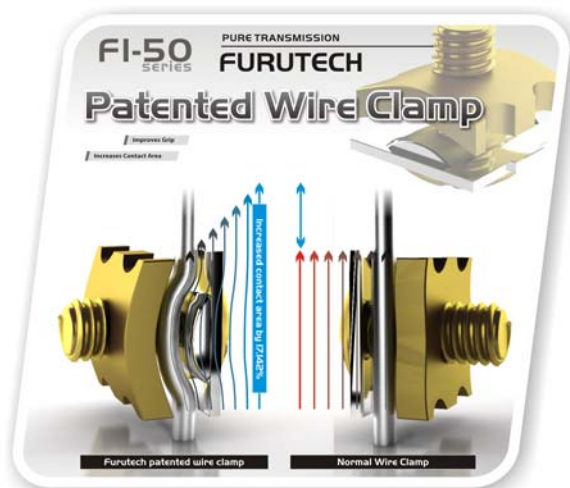


Current flowing through the power connector creates a magnetic field, just as an insulated conductor creates both electromagnetic and electrostatic fields. Furutech engineers found this magnetic field induces current flow (and a small magnetic field) in the screws holding the connector together! These magnetic fields interfere with the larger magnetic field around the conductor and connector.

Furutech's total attention to detail and elegant engineering neatly solves the problem. The Earth/Ground Jumper System (left) connects the securing screws to a ground terminal within the plug completely eliminating the field

disturbances they cause. The stray fields are grounded by a series of interlocking parts within the connector that attach to the ground conductor. The Jumper System is available in Furutech NEMA Power and IEC Connectors and Carries US Patent No. 6,669,491.

The sweeping way in which Furutech go about thoroughly refining their Pure Transmission technique is a tour de force of detail work. The meticulously machined patented wire clamps (right) provide extremely secure connections as well as improving contact area by almost 20%!



Each and every element of signal transfer is minutely examined for improvement. Furutech's patent-pending metal clamp (left) securely anchors the cable enhancing long-term stability as well as damping resonance. Solid non-resonating connections go a long way towards improved sound.

Features

- α (Alpha) pure-copper rhodium-plated conductors
- Earth/Ground Jumper System (US Patent No.: 6,669,491)
- Patented pressure plate improves contact area
- Piezo Ceramic series connector bodies constructed of ceramic nano-particles, carbon powder, nylon and fiberglass
- Multilayered nonmagnetic stainless steel and carbon fiber housing incorporates acetal copolymer enhancing damping and insulation
- Dimensions: Body length 40.0mm x 40.5mm diameter x 76.2mm overall length
- Patent pending metal cable clamp improves grip and reduces resonance
- Specified for cable diameters from 6mm to 20mm

Furutech makes a wide variety of high performance 15A and 20A A/V cable and power connectors and parts, as well as distribution/filtering products like the new 120Hz standard xv1.3 HDMI cable, Ag-12 Silver Tonearm Cable, Pure Power 6, e-TP4+4, e-TP609 and e-TP60 Power Distributors, and e-TP80 Power Filters, deMag Disc and Cable Demagnetizer, the deStat, a fan-driven, Balanced Ion Drive device for totally eliminating static from LPs and CDs, DF-2 LP Flattener, lightweight and stylish FRD Room Diffusion Panels, PC-2 Disc Pure Cleaner, and their own very special NANO Liquid Contact Enhancer, plus even more fine cable and OEM products.

Make A More Powerful Connection with Furutech!

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