

**FURUTECH**  
PURE TRANSMISSION

**AEx**  
オーディオ銘機賞  
Audio Excellence Award 2008



**New!**

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



FTECH-71425

**Awarded  
Best of Innovations  
Audio Accessory  
Category CES 2009**



**Nonmagnetic Rhodium-Plated Conductors • Type: 2-Pole + Earth • Rating: 15A 125V /10A 250V AC**

**Features**

- $\alpha$  (Alpha) pure-copper rhodium-plated conductors
- Earth/Ground Jumper System (US Patent No.: 6,669,491 )
- Piezo Ceramic series connector bodies incorporate ceramic nano-sized particles, carbon powder, nylon and fiberglass
- Multilayered nonmagnetic stainless steel and carbon fiber housing incorporates a special damping insulating acetal copolymer
- Specified for cable diameters from 6mm to 20mm
- Dimensions: Body length 40.0mm x 40.5mm diameter x 76.2mm overall length
- Patent pending metal cable clamp improves grip and reduces mechanically and electrically induced distortion plus patent-pending specially engineered pressure plate

## 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.



A multilayer nonmagnetic stainless steel and carbon fiber shell incorporates a special damping and insulating acetal copolymer. Furutech settled on stainless and carbon fiber for the outer housing after extensive listening sessions with Japanese industry figures and audiophiles.

The body of the connectors combines two “active” materials: Nano-sized ceramic particles and powdered carbon. (Only nano-sized ceramic particles effectively couples with carbon powder.) Nylon and fiberglass are incorporated as well forming an extremely effective, well damped, mechanically and electrically nonresonant connector body. That’s correct, they’re electrically damped as well.

Piezoelectric effects are the key. Furutech’s breakthrough in design and materials is based on employing nano-sized polycrystalline ferroelectric ceramic particles exhibiting electro-generative properties; mechanical pressure creates an electrical charge forming a bridge between electrical and mechanical oscillation.

Carbon powder exhibits thermal-conductive characteristics that interact with the charged ferro-ceramic particles converting their energy into heat that’s conducted away and released from the surface of the connector body!

These carefully chosen and tested “active” materials mechanically and electrically damp the connector as they “interconvert” thermal, mechanical, and electrical energy for the finest Furutech Pure Transmission signal 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 an e-TP609 power distributor or e-TP80 filtered AC distributor to connect all your components for a powerful, suave, 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 has resulted in another breakthrough technology, the Furutech Earth/Ground Jumper System. It eliminates EMI (Electromagnetic Interference) induced in metal parts like connector housing screws.

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.

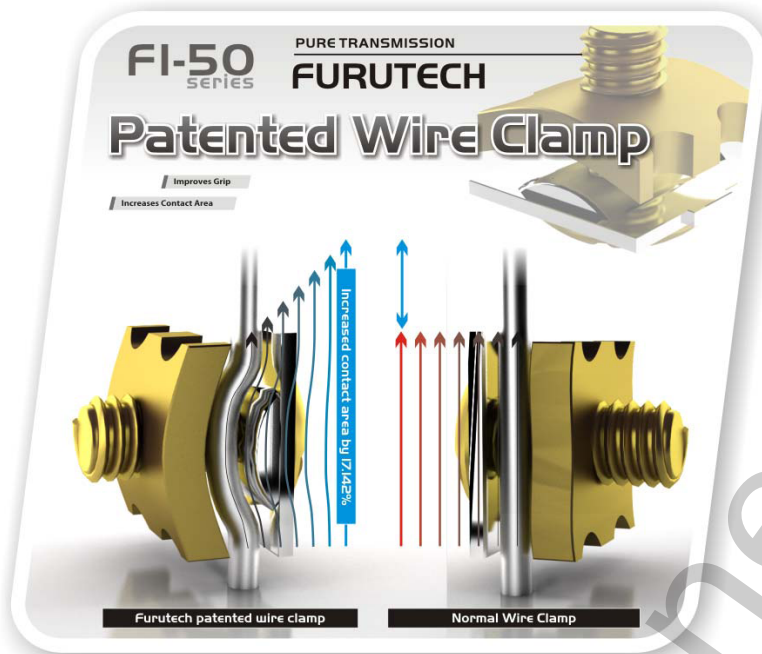
Furutech's total attention to detail and elegant engineering neatly solves the problem. The Earth/Ground Jumper System connects the securing screws to a ground terminal within the plug completely eliminating the field disturbances they cause. The stray fields are grounded by a series of interlocking parts within the connector that attach to the ground conductor. The Jumper System is available in Furutech NEMA Power and IEC Connectors.



### **Earth/Ground Jumper Construction Details**

The Earth/Ground Jumper System Carries US Patent No. 6,669,491

**Patent-Pending Wire Clamp...**



**And Patent-Pending Metal Cable Anchor**



**The Critics Speak**

*"If, like me, you appreciate taking many sonic steps forward and no steps backward, you'll want to give these components a try."*

*-- Chris Martens, August 07 the Absolute Sound*

*"After many hours of listening, my appreciation for the Furutech References grew because of how non-fatiguing they can be while still revealing a very high level of detail. The extension of both treble and bass is excellent but it is the wholeness and balance of the sound that makes the Furutech Reference stand out."*

*--Jay Fisher, 6moons.com*

*"If I had to limit myself to one key term whereby to paraphrase the essential Furutech quality, I'd opt for relaxed ultra resolution. ... [Under high SPLs] there's no funny business of compression, smearing or skewing ... The sense of big simply gets bigger and bigger and bigger. ... There's something luxurious and silken about the Furutech connectors... routes and drapes easily. ...*

*-- Srajan Ebaen, 6moons.com*



**Make A More Powerful Connection with Furutech!**