



RATING

Features Axial Locking System [USA Patent No.7,648,391 / JP Patent No. 4616208]
and EMI-Absorbing Formula GC-303

FEATURES

- Outlets: GTX-D NCF(R) x3 [USA Patent No.8,133,064]
 - α (Alpha) pure copper Nonmagnetic Rhodium plated conductors
 - Body material: Nylon/fiberglass “NCF” with a special anti-resonance nano-sized crystalline, piezo ceramic particles and carbon damping material.
 - Cover material: Polycarbonate “NCF” with a special anti-resonance nano-sized crystalline, piezo ceramic particles and carbon damping material
- Inlets: FI-09 NCF(R) IEC AC input
 - rhodium-plated α (Alpha) pure-copper conductors.
 - Body material: Nylon/fiberglass “NCF” with a special anti-resonance nano-sized crystalline,

Piezo ceramic particles and carbon damping material.

- Axial Locking System [USA Patent No.7,648,391 / JP Patent No. 4616208]
- Formula GC-303
- Internal wiring: Furutech Alpha-22 conductor at 3.8 sq. mm (< 12 AWG)
- Beautifully crafted special grade aluminum chassis, finished with an extremely effective nonresonant coating (Black).
- Effectively shields against RFI (Radio Frequency Interference)
- All conductors treated with Furutech's α (Alpha) Cryogenic and Demagnetizing Process
- Dimension: 266(l) x 130(w) x 56.5 (h) mm \pm 1mm Approx. (without feet)
- Net Weight: 2.94kgs Approx.
- Rating: 15A 125V AC

SPECIFICATIONS

Advanced Noise Suppression with Furutech's Nano Crystal² Formula (NCF)

At the heart of the e-TP609 NCF-N1 is NCF (Nano Crystal² Formula), a proprietary material developed by Furutech. This cutting-edge technology features a crystalline compound with two active properties:

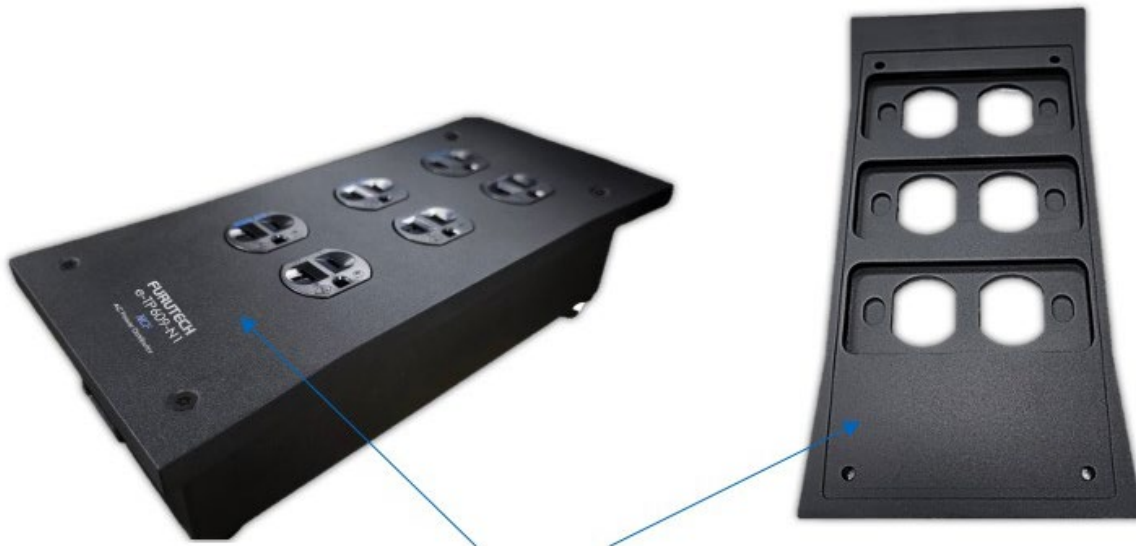
- It generates negative ions to eliminate static.
- It converts thermal energy into far infrared to dissipate heat.

Combined with nano-sized ceramic particles and carbon powder for their piezoelectric damping effect, NCF is the ultimate electrical and mechanical noise suppression solution—exclusive to Furutech products.

Precision-Crafted Aluminum Chassis with Internal Shielding

Each e-TP609 NCF-N1 is CNC machined from premium-grade aluminum blocks, forming a rigid, vibration-resistant, non-resonant chassis. The internal layout separates the six Furutech GTX-D NCF(R) high-performance AC receptacles into three independently wired duplex zones, each housed in its own chamber for maximum isolation and noise control and the chassis is finished with a nonresonant coating.

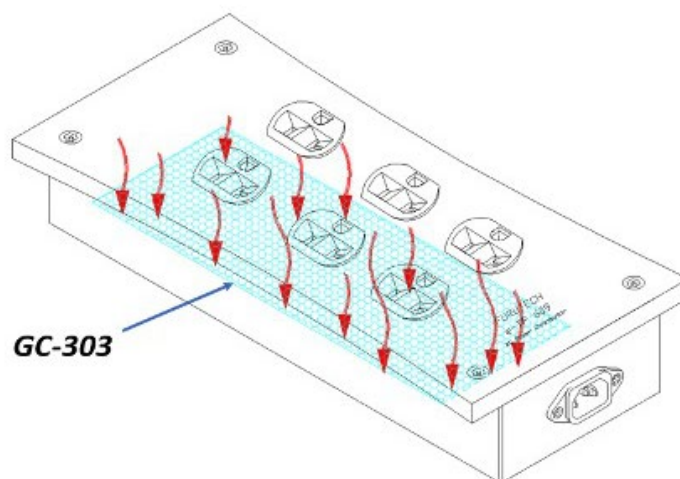
Additionally, a layer of Furutech's GC-303 EMI-absorbing material is integrated inside the chassis to further suppress electromagnetic interference, while the aluminum exterior provides full RFI shielding.



Extremely effective nonresonant coating (black)

Formula GC-303

GC-303 is a special material Furutech bonds to the interior bottom-plate of the chassis (see illustration below), absorbs EMI (Electromagnetic Interference) generated by the internal fittings of the unit. The e-TP609E NCF-N1 uses no filtering besides Formula GC-303 so AC resistance is kept to a minimum, allowing a more resolving, powerful, dynamic, and colorful performance from your components.



GC-303 Absorbs Internally Generated EMI

Audiophile-Grade Internal Wiring and Connections

- Furutech α-22 internal wiring (3.8 sq. mm / <12 AWG) ensures ultra-low resistance and high conductivity.
- Each duplex is star-wired to the central FI-09 NCF(R) IEC AC input, ensuring optimized current delivery and channel separation.

- All receptacles feature rhodium-plated, non-magnetic, pure copper conductors—offering long-term durability and uncompromising power transfer integrity.



GTX-D NCF (R)



FI-09 NCF (R)

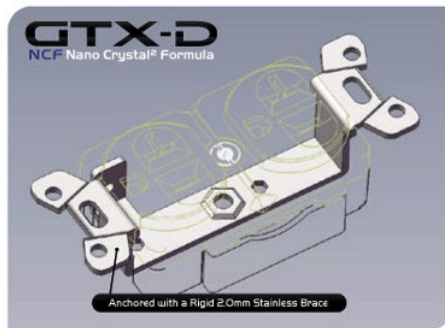
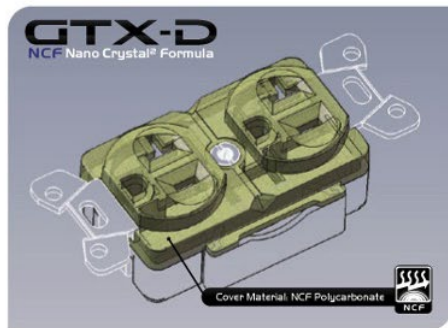
Furutech's Patented Receptacle Conductor Design [U.S. Patent No. 8,133,064]

While pure copper offers unmatched conductivity, its natural softness and lack of mechanical strength have traditionally made it unsuitable for use in power receptacles. As a result, many manufacturers compromise with lower-conductivity alternatives such as brass, phosphor bronze, or beryllium copper.

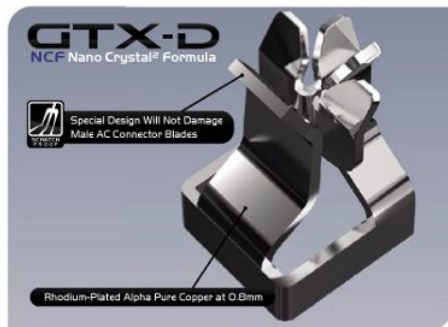
Furutech took a different path

After extensive research and development, Furutech pioneered an industry-first solution: rhodium-plated α (Alpha) pure copper conductors—enhanced by a patented non-magnetic stainless steel spring system. This innovative design provides the mechanical strength and tension required for a secure, vibration-resistant connection, without sacrificing conductivity. The result is a firm yet gentle grip that preserves the integrity of your power cables and ensures stable, long-term performance.

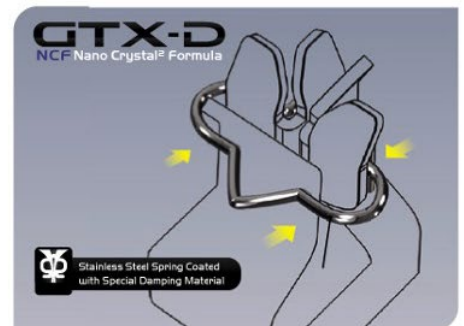
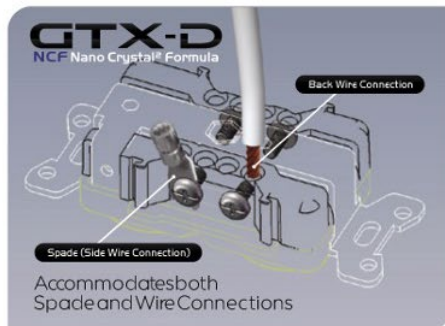
This breakthrough design is exclusive to Furutech and sets a new benchmark for high-end AC receptacle performance.



Make A More Powerful Connection with Furutech!



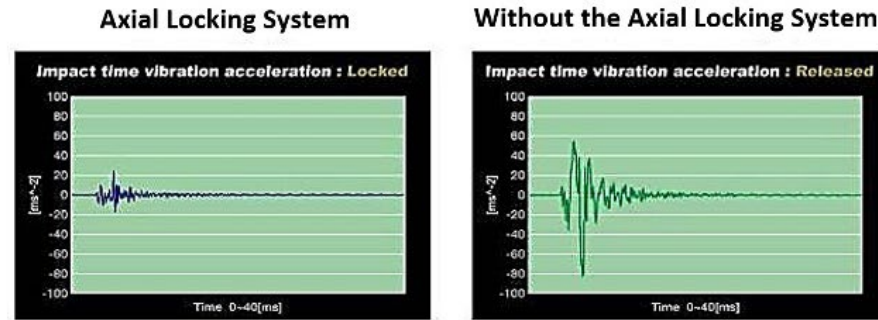
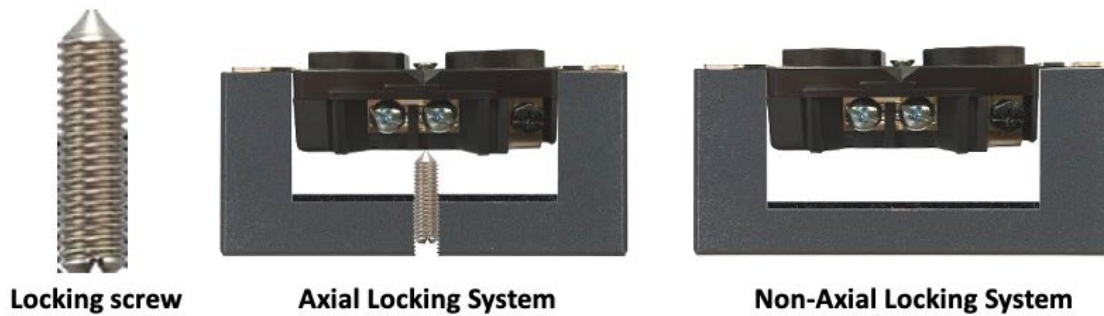
Feel, experience and communicate with music and sound!



As shown in the images above Furutech's Patented Conductor Design strengthened and sprung with the Stainless-Steel Conductor Spring System keeps a firm grip yet won't damage male connector blades or their plated surfaces. However, a convention design can damage male pins on high performance audio connectors.

Furutech's Patent Axial Locking System [USA Patent No.7,648,391 / JP Patent No. 4616208]

Furutech designed a special locking screw that anchors each duplex receptacle preventing oscillation and enhancing long-term stability.



Axial Locks Reduces Noise, Oscillation and Vibration by Nearly A Factor of Ten!

Screenshot

Furutech's Two-Stage Cryogenic and Demagnetization Alpha Process

Using cutting-edge technology and materials, Furutech developed a low-temperature two-stage process that significantly improves every facet of audio and video performance. The treatment begins during the manufacturing process with a deep, conditioning cryogenic freeze of all metal parts. Using high-end refrigerants — liquid N₂ or He — Furutech achieves temperatures of between -196 to -250C. The treated parts actually change their molecular structure at these extremes of temperature relieving internal stress. The molecules bond together more tightly and the overall structure becomes more stable. This improves electrical conductivity and so power and signal transfer.

Step two in the Alpha Process exposes these same parts to the patented Ring Demagnetization treatment. Ordinary high-power magnets used for this purpose often increase magnetization effects; they leave some areas more magnetized than others. Just like a CD spinning over a fixed magnet; when the CD stops the area above the magnet is still exposed to the magnetic field causing audible effects. This patented process uses controlled attenuation to completely eliminate magnetization for immediately more vivid and colorful improvements. Ring Demagnetization further enhances conductivity of all treated materials.

ALL metallic parts used in Furutech products go through the Alpha Process treatment to keep all connectors, conductors, and metal parts in a perfect stress-free, stable and highly conductive state.

The Final Result

The 2-Step Alpha Cryogenic and Demagnetizing Process works in tandem with other design-in features to create the most optimized AC power transfer possible. Furutech's total awareness and devotion to detail results in a greater sense of power, dynamics, and resolution, with cleaner, blacker backgrounds and a larger, more stable soundstage, vivid tonal colors and deeper extension at both ends of the frequency range. The e-TP609E NCF-N1 will allow the delicacy, refinement and nuance of a performance through, along with micro- and macro-dynamics that will leave you breathlessly engaged. Displays of all types will exhibit greater, sharper resolution with less ghosting, color shift, "snow", or vertical and horizontal lines.