FURUTECH

PURE TRANSMISSION

NCF®

The e-TP609E NCF AC Power Distributor

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

ADVANCED MATERIALS AND TECHNOLOGIES ENSURES STABLE QUIET POWER FOR YOUR ENTIRE SYSTEM

Nano Crystal² Formula (NCF).

Incorporated into selected Furutech products, NCF features a special crystalline material that has two 'active' properties. First, it generates negative ions that eliminate static. Second, it converts thermal energy into far infrared. Furutech combines this remarkable material with nano-sized ceramic particles and carbon powder for their additional 'piezoelectric effect' damping properties. The resulting Nano Crystal² Formula is the ultimate electrical and mechanical damping material. Created by Furutech, it is found exclusively in Furutech products.

The e-TP609E NCF is a sophisticated, luxuriously made single-chassis dual-section power distributor that eliminates many common problems found with audio and video components caused by massively contaminated electrical power.

The AC waveform becomes severely distorted by ground noise, voltage spikes and sags, high frequency power supply noise from other components in your own system, plus radiated high frequency digital

noise from processors and digital interconnects. There are also distortion products at the top and bottom of the AC waveform created by switch-mode power supplies in electronic devices on the same circuit. Additionally, you're never alone; your residential AC mains supply is shared with other apartments, homes, and businesses on the same utility transformer. That's why many audio and video enthusiasts notice their systems are more enjoyable late at night or on weekends!

How can you tell you're a victim of polluted AC power? Listen and look for these symptoms: Flat, hard, and grainy high frequencies, a thick and bloated midrange, fat, uncontrolled bass, and loss of air and soundstage stability. On video displays the picture resolution is less than sharp, with "ghosting", color shift, "snow", or vertical and horizontal lines. If this looks and sounds familiar, you need Furutech!

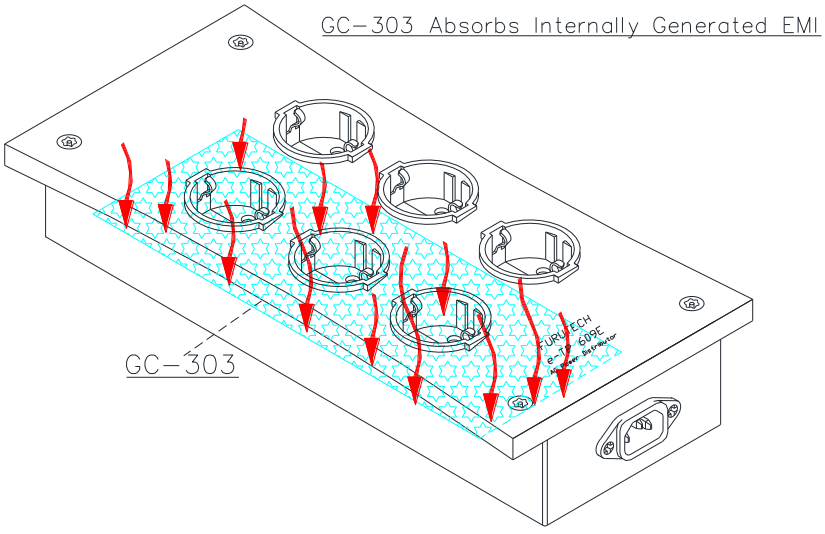
Total Attention to Detail and Build Quality

Many A/V enthusiasts go to great lengths to carefully set up major system components, but pay little attention to the source, the AC power. Furutech knows that each and every part of the chain is as important as the next, so maximum attention is lavished by Furutech on *all* aspects of AC power transfer.

The beautifully crafted special grade aluminum chassis effectively shields against another common problem, RFI (Radio Frequency Interference), and a layer of Formula GC-303 (see below) blocks EMI (Electro Magnetic Interference). Internal wiring is Furutech **μ**-14, 2.0 sq. mm (14 AWG) guarantying low resistance. Furutech Hyper Quality FI-E30 NCF(R) Ultimate SCHUKO chassis sockets are "star-wired" to the High-End Performance FI-09 NCF(R) IEC AC input of the e-TP609E NCF - separate sets of conductors for each of the six SCHUKO chassis socket. They feature Rhodium-plated pure copper, non-magnetic conductors for stable, long lasting, optimized power transfer.

Formula GC-303

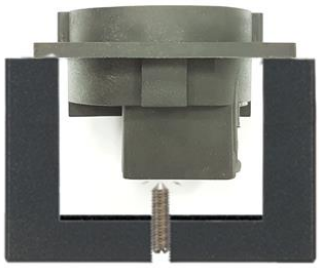
GC-303 is a special material Furutech bonds to the interior bottom-plate of the chassis (see illustration below), absorbs EMI (Electromagnetic Interference) generated by the *internal* fittings of the unit. The e-TP609E NCF uses no filtering besides Formula GC-303 so AC resistance is kept to a minimum,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



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

Furutech designed a special locking screw that anchors each schuko socket preventing oscillation and enhancing long-term stability. Each Axial Lock is torqued to perfection at the factory.

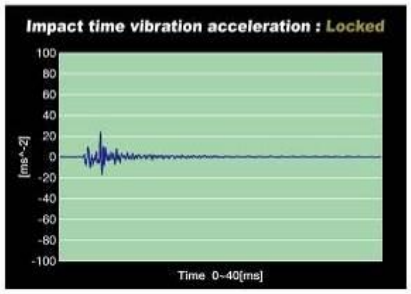
Locking screw



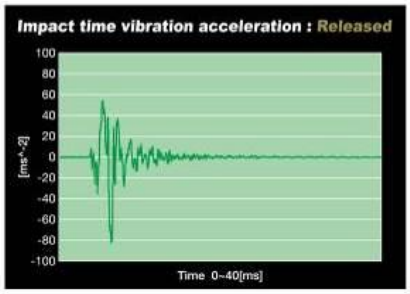
Axial Locking System

Non-Axial Locking System

Axial Locking System



Without the Axial Locking System



Axial Locks Reduces Noise, Oscillation And Vibration By Nearly A Factor of Ten!

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.

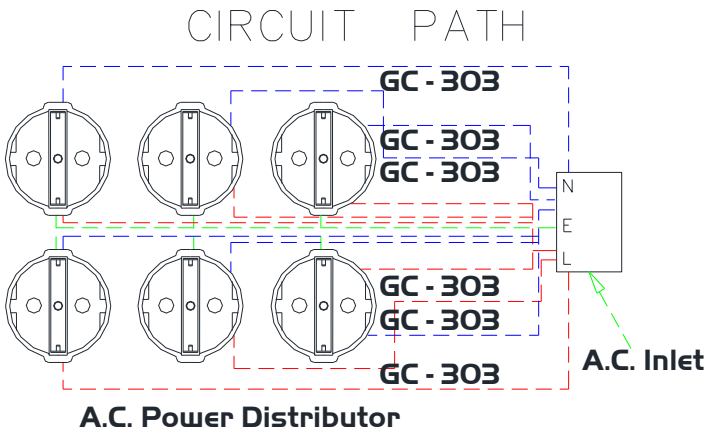
Step two in the *Alpha Process* exposes these same parts to the patented Ring Demagnetization treatment. Ordinary high power magnets used for this purpose often *increase* magnetization effects; they leave some areas more magnetized than others. Just like a CD spinning over a fixed magnet; when the CD 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 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.



Features:

- Outlets: FI-E30 NCF(R) x6
    - Main conductors: α (Alpha) Pure copper Nonmagnetic Rhodium plated main Conductor
    - Dimensions: 50.6mm × 50.6mm × 36.0mm (L×W×H)
    - Insulation Materials: Nylon/fiberglass incorporating special “NCF” anti-resonance damping material - nano-sized crystalline, piezo ceramic particles and carbon powder
- IEC: FI-09 NCF(R) 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 µ-14 conductor at 2.0 sq. mm (14 AWG)
- Beautifully-crafted special grade aluminum chassis
- 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 ± 1mm Approx. (without feet)
- Net Weight: 2.80kgs Approx.
- Rating: 10A 125V AC

Make A More Powerful Connection with Furutech!

FURUTECH CO., LTD • service@furutech.com • www.furutech.com

Product name	Product Introduction	JAN CODE
e-TP609E NCF	Top-of-the-Line Power Distributor	