

FURUTECH

PURE TRANSMISSION



Incorporating NCF material

CF-C15 NCF(R)

High End Performance IEC connector

Type: 2-pole + Earth, Rating: 15A 125V / 10A 250V A.C



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.

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

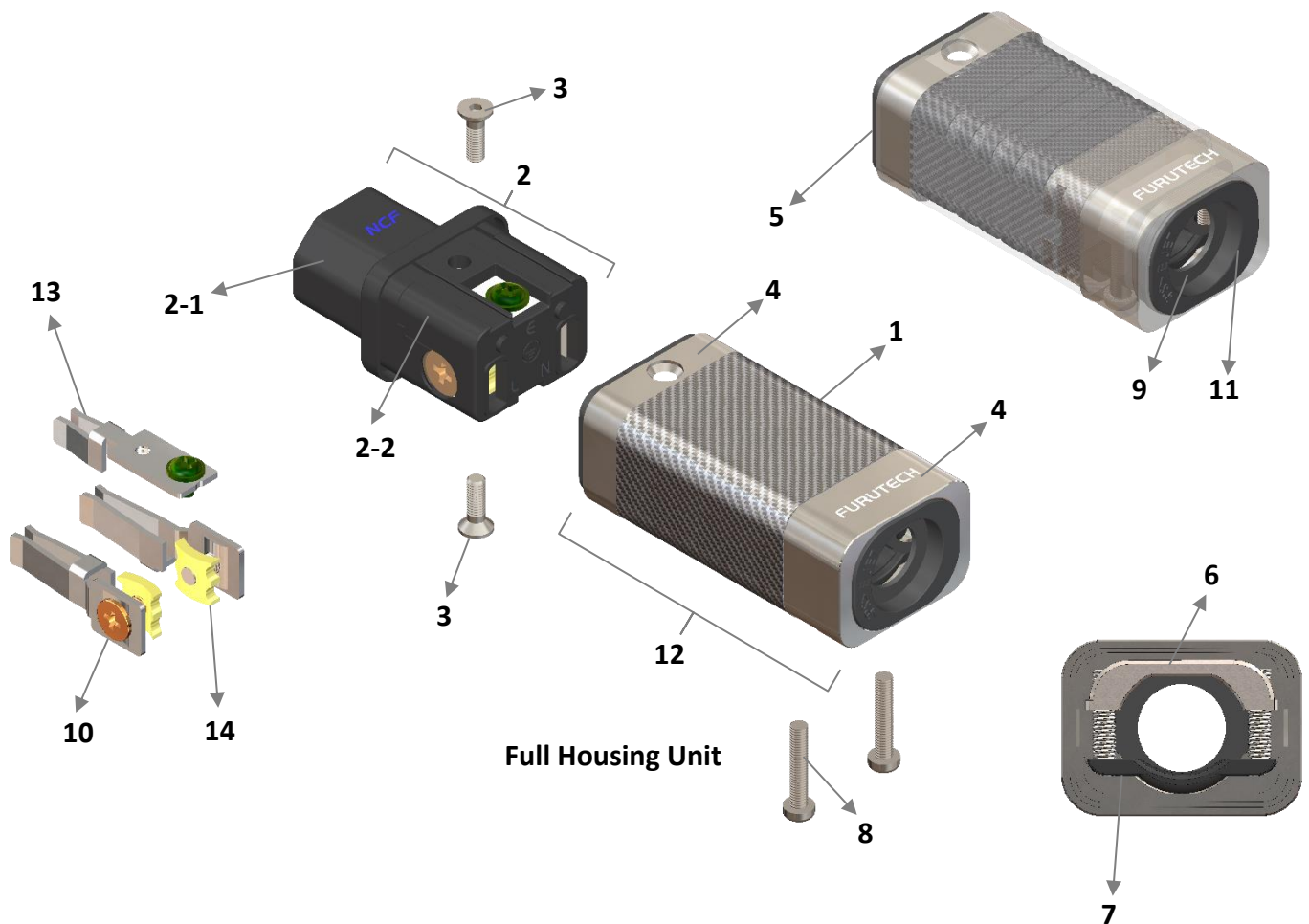
refrigerants -- liquid N2 or He -- Furutech achieves temperatures of between -196 to -250°C. The treated parts actually change their molecular structure at these extremes of temperature relieving internal stress. The molecules bond together more tightly, and the overall structure becomes more stable. 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 magnetic effects; they leave some areas more magnetized than others. 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.

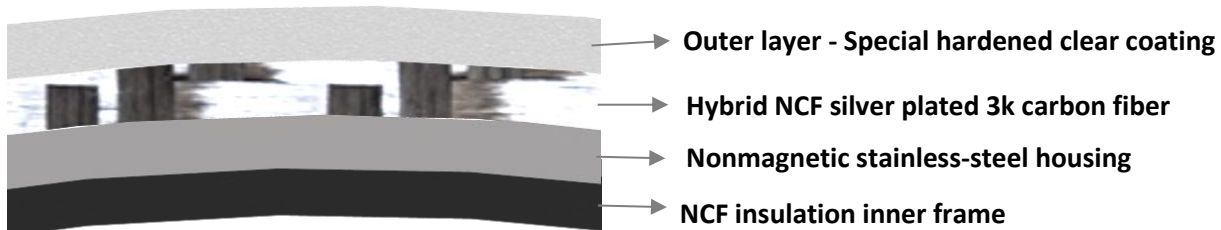
ALL metallic parts used in Furutech products go through the Alpha Process treatment to keep all connectors, conductors, and metal parts in a perfect stress-free, stable and highly conductive state.

Features and Materials:

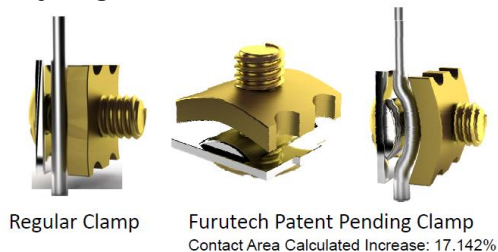
- Rhodium-plated α (Alpha) Pure copper Conductor (13).
- Nylon/fiberglass with special "NCF" anti-resonance damping material - nano-sized crystalline, piezo ceramic particles and carbon powder main body (2-1) / inner cover (2-2) / insulation inner frame (5) / cable damping clamp (7) / fixing ring for silicone sleeve (11).
- Special formula Silicone Sleeve for tensile strength (9).
- Main cable fixing clamp (Stainless steel) (6) improves grip and reduces mechanically and electrically induced distortion.
- Polished Hex Head Screws securing main body and housing (3).
- Stainless Steel Cable clamp fixing screws (8).
- Stainless steel pole fixing screws (10).
- Housing (12): Multilayer hybrid NCF carbon housing composed of a hard clear coat over with another layer of hybrid NCF silver plated 3k carbon fiber (1) on a nonmagnetic stainless-steel housing (4) including NCF insulation inner frame (5). The best of damping and insulation materials improve frequency extension and tonal balance.
- Specially Engineered Pressure Plate and Wire Clamp (14).
- Specified for cable diameters of 6.6mm to 16.0mm (Wire size of 3.5mm² (12AWG) max.)
- Connection: Set screw



Housing multilayer structure description



Specially Engineered Pressure Plate and Wire Clamp

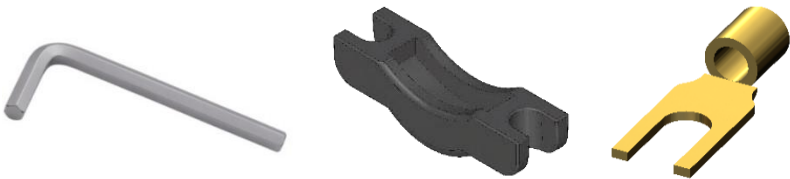


Specifications

- Dimensions: 22.0mm (H) X 30.0mm (W) X 82.0mm (L) overall length approx.
- Net Weight: 86.7g approx. (Does not include accessories)

Accessories:

Included are 3 pcs: 2mm hex head screwdriver (H-2.0)
NCF cable damping clamp (Thick version for thin OD. cable used)
Pure copper spade terminal (2-S3Y)



Note:

If too much torque is applied when tightening the screws, screws may be damaged. The maximum torque for each screw is as follows.

- L / N / E poles screws maximum torque: 100cN•m
- Polished Hex Socket Flat Head Cap Screws maximum torque: 30cN•m
- Cable fixing screws maximum torque: 40cN•m

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*All metal parts are treated with *FURUTECH α (Alpha) Process (Super Cryogenic & Demagnetize Treatment.)*

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