

FURUTECH

PURE TRANSMISSION

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



*NEW for 2008 • Piezo Powerflux Power Cord
Featuring FI-50M(R) Piezo Ceramic Series Power Connectors*



Piezo Powerflux -18

*May Be the Most Sophisticated Power
Cord and Connectors in the World*

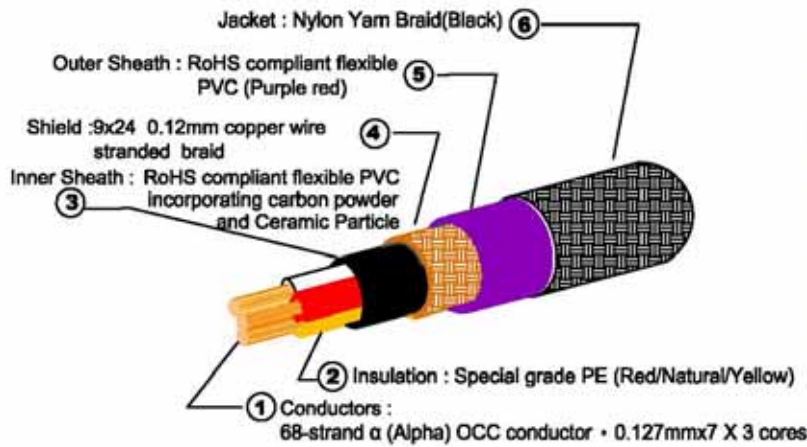


Piezo Powerflux -18E

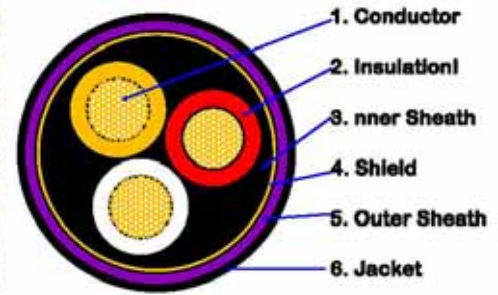
Extreme Performance Pure Transmission Power Cable
Rating 15A 125V AC • 10A /250V • 13A/250VAC
Rhodium-Plated Nonmagnetic Conductors • Type: 2-pole + Earth

Features:

- Fitted with Furutech's *top-of-the-line* FI-50 Piezo Ceramic series connectors
- Furutech's beautifully-finished FI-50(R) IEC and FI-50M(R) Piezo Ceramic series connector housings are made of layers of carbon fiber in a damping and insulating acetal copolymer surrounded by nonmagnetic stainless steel. Europe version features FI-E50(R) Schuko Connector
- The connector bodies 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.
- Piezo Ceramic series connectors feature α (Alpha) Pure Copper conductors equipped with Furutech's advanced Earth/Ground Jumper System (US Patent No.: 6,669,491)
- Patent-pending metal cable clamps improves grip and reduces mechanically- and electrically-induced distortion -- also features patent-pending specially-engineered pressure plates
- Cable features a full α (Alpha) conductor shield to protect the signal from radiated noise
- RoHS-compliant flexible PVC sheaths enhances vibration control
- Special high-grade PE insulation/dielectric reduces capacitance



Piezo Powerflux Cable Construction



Cross Section

Construction and Materials

- 68-strand α (Alpha) OCC conductor • 0.127mm x 7 x 3 cores, 2.8mm diameter
- Insulation: Special grade PE (Red/Natural/Yellow) 5.4mm diameter
- Inner Sheath: RoHS-compliant flexible PVC incorporating carbon powder
- Shield: 0.12mm diameter α (Alpha) Conductor wire braid
- Sheath: RoHS-compliant flexible PVC (Purple red) 16.5mm diameter
- Jacket: Nylon yarn braid approx. diameter 17.5mm

α (Alpha) Conductors are Fine OCC Wires Strands and Treated With Furutech’s α (Alpha) Cryogenic and Demagnetizing Process

Electrical Properties

Max. Conductor Resistance	4.5 Ω / km
Min. Insulation Resistance	2500 M Ω -km
Dielectric Strength	AC.3000 V / 1 min.

Test Method

JISC3005 6	20°C
JISC3005 9.1	20°C
JISC3005 8	

Make A More Powerful Connection with Furutech!

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