

SUPANOVA

ACTIVE POWER CABLE

Tech Lowdown



THE SOUND OF SILENTPOWER

iFi's new SilentPower range
tackles mains-related noise
to improve audio/AV
system performance.



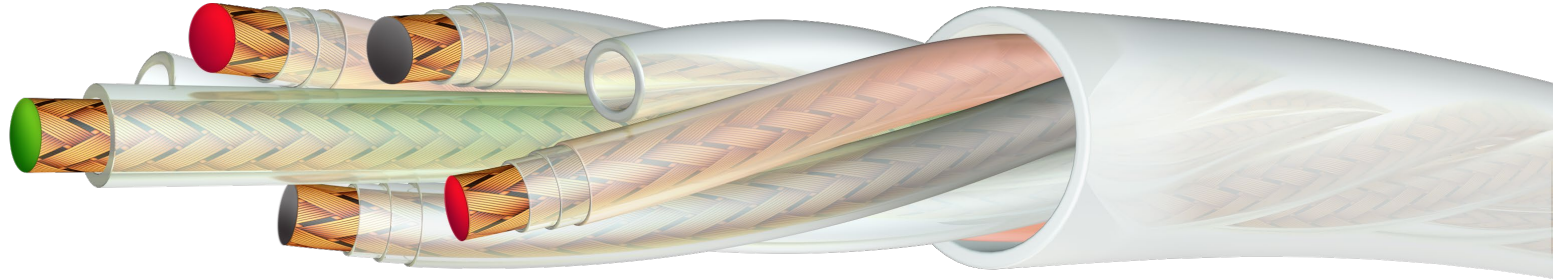
SUPANOVA | THE AFFORDABLE HIGH-PERFORMANCE MAINS CABLE

iFi has made a number of 'clean power' products in its nine-year history to date, but one thing it hasn't made is a specialist IEC power cable for home audio components – until now!

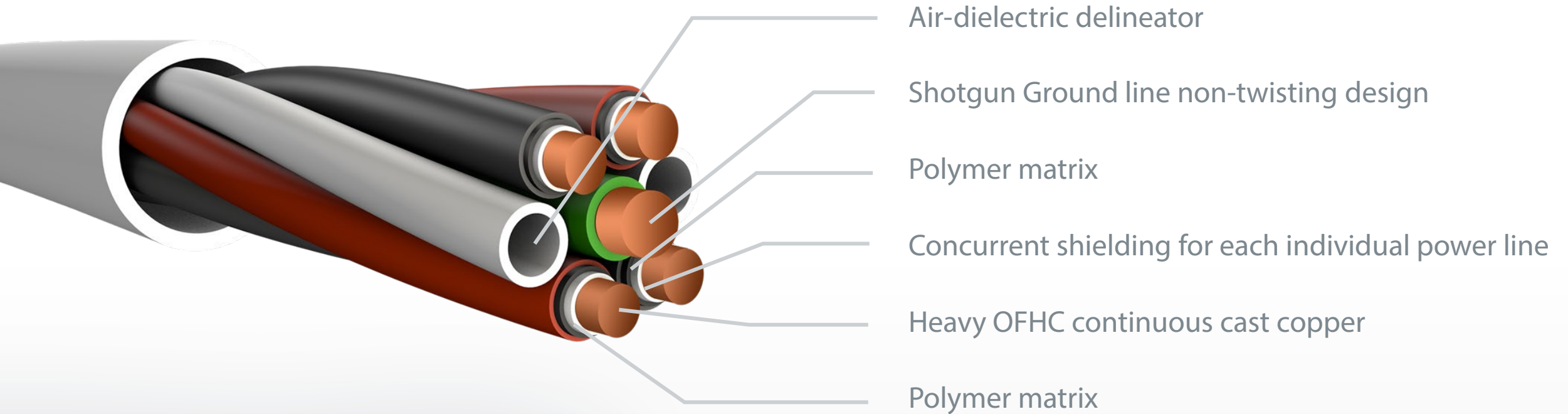
The SupaNova is a specialised power cable with a high-end construction that belies its affordable price point. It delivers a serious upgrade over standard mains leads that imbues sound with greater clarity, space and definition.



THE CABLE



- Five conductors, each made from heavy-gauge, continuous-cast OFHC (Oxygen-Free High Thermal Conductivity) copper, arranged in a geometrically balanced configuration – highly unusual at such a price point.
 - Two pairs of live and neutral conductors are arranged either side of the earth conductor, which is positioned at the centre of the cable.
 - A further pair of air-dielectric delineators – polymer matrix tubes filled with air – are arranged either side of the earth conductor, keeping the two pairs of live and neutral conductors apart whilst improving the cable's overall dielectric performance and constructive solidity.
-

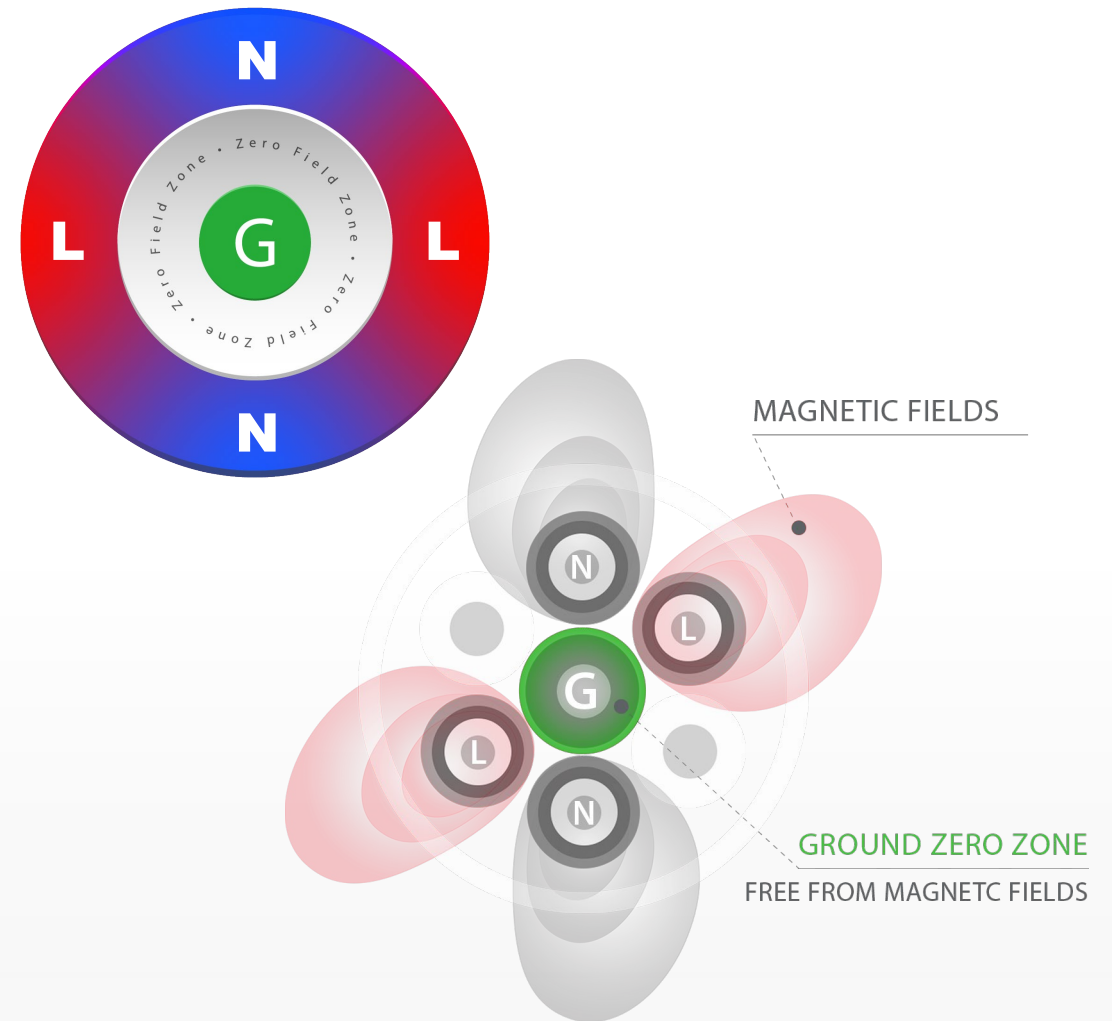


GROUND ZERO

The Nova incorporates five conductors arranged in a geometrically balanced configuration.

The two pairs of live and neutral conductors are arranged either side of the earth conductor, which is positioned at the centre of the cable. The ground conductor is arranged in a shotgun configuration and not twisted around like other mains cable.

As the live and neutral conductors are arranged in a truly balanced configuration, their magnetic fields cancel out each other perfectly. As a result, there is no residual magnetic field being applied to the centre ground conductor, and no unwanted induced voltage on the Ground conductor – iFi calls this design **Ground Zero**.



CABLE BREAKDOWN

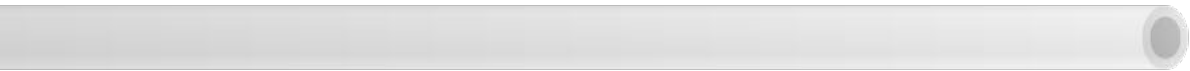
The cable is finished with a tough yet flexible polymer outer sheath and iFi's bespoke audiophile-grade connectors, complete with 24ct gold plated oxygen-free copper conductors.



CABLE BREAKDOWN



Heavy OFHC continuous cast copper, excellent conductivity



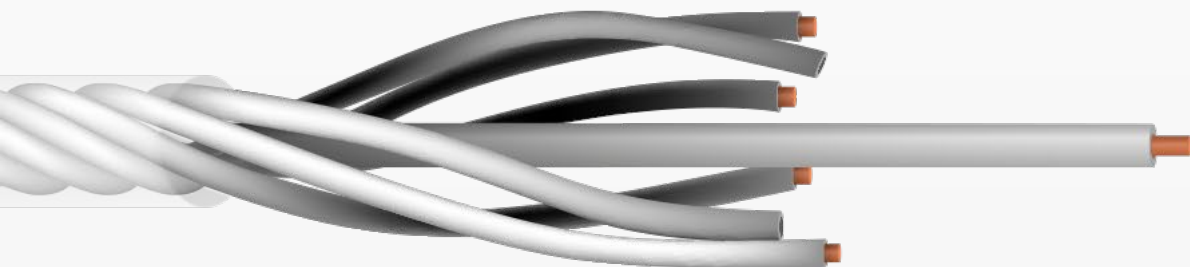
Polymer matrix for protection



Concurrent shield for each power line, internal and external RFI noises are minimised



Polymer matrix unaffected by moisture, amorphous, dimensional accuracy, low dielectric constant



Air-dielectric delineator, best separation between balanced pairs of L and N.

CABLE BREAKDOWN

The net result of this sophisticated mix of materials and construction is a power cable offering constant impedance and superior rejection of EMI/RFI, maintaining the purity of mains electricity feeding each component in an audio or AV system.

While the effect of this cable on sound quality is significant when used on its own, it combines brilliantly with iFi's PowerStation mains conditioning power strip – the PowerStation filters out common mode and differential mode noise from the mains supply, while the SupaNova maintains optimum purity right through to the connected component.



POWER CONDITIONING

- The most advanced noise-cancellation system available - iFi's Active Noise Cancellation II. It actively eliminates far more noise across the frequency range than a passive product, even across the lower frequencies
- Wireless Purification System - significantly reduces power-line noise without audible or visible side-effects
- A Ground/Earth connection diagnostic
- Polarity detection - ensures correct polarity at all times
- Over-voltage Surge Protection – auto detection and cut-off circuit

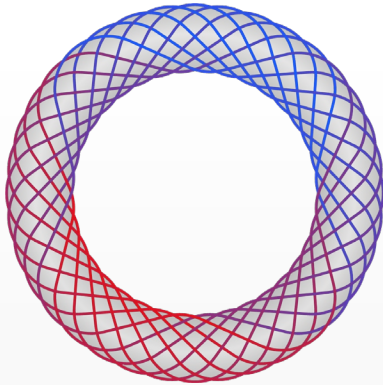




**Active Noise
Cancellation 2[®]**



Double circular helix power lines design
with air-dielectric delineator



Constant impedance
design



True balanced
power cable



Concurrent shielding for each
individual power line

SPECIFICATIONS

Noise reduction:	> 40dB (> 100x)
Surge Protection:	max. 10,000A @ 775V / 8/20uS
Under operating voltage:	Maximum operating rating 10A at 250Vac and 15A at 125Vac
Length:	1.8 m (70.8")
Weights:	US: 675 g (1.49 lbs)
	EU: 690 g (1.52 lbs)
	UK: 695 g (1.53 lbs)
	AU: 673 g (1.48 lbs)

The background is a dynamic, artistic explosion of fine powder. The colors are a mix of warm and cool tones: bright yellow and orange on the left, transitioning into deep red and magenta in the center, and then into various shades of blue and purple on the right. The powder is captured in mid-air, creating a sense of movement and energy. The overall effect is a soft, ethereal glow with some sharper edges where the powder is more concentrated.

ifi