

# Nexum HQ Power cable

The Foundation of Silence



The Nexum HQ Power Cable is the indispensable link for the ultimate listening experience. While standard cables often act as accidental antennas for atmospheric noise, Nexum cables are precision instruments engineered to elevate the performance of high-end components to an unprecedented level. By minimizing the effect of mains pollution, the Nexum allows you to hear more micro-details, experience a deeper soundstage, and enjoy the tight, controlled lows of unrestrained dynamics.

## The Challenge: The Hidden Haze

Pollution from the power grid and electromagnetic interference severely degrade sound quality. This rarely manifests as audible hum but subtly hides in the background as a "haze" that hides micro details, limits dynamics and reduces spatiality. The Nexum HQ addresses this through a sophisticated four-pillar architecture designed for maximum noise rejection.

## The Four Pillars of Nexum Architecture

### High-Density Shielded Architecture

The foundation of the Nexum is a high-grade conductor protected by a double-braided silver-plated copper shield. This exceptionally dense barrier is designed to isolate the power conductors from high-frequency noise (RFI/EMI) originating from the air and adjacent cables. The result is a significantly "blacker" sonic background.

### Advanced Dielectrics & Mechanical Stability

To ensure lightning-fast transient response, the Nexum utilizes high-grade PTFE (Teflon) insulation and a robust, gold-brown FEP outer jacket. This dual-layer fluoropolymer construction ensures minimal energy absorption and high-speed current delivery. Furthermore, the internal configuration is optimized for mechanical stability, effectively dampening micro-vibrations that could otherwise affect power transfer.

### Core-Current Purification™

Directly integrated onto the central conductor is a specialized low-pass filter. This in-line filtration is engineered to attenuate high-frequency RF-pollution and "hash" present on the power grid. Unlike traditional filters that can choke a system's dynamics, the Core-Current Purifier maintains the low-resistance, high-speed delivery required for maximum dynamic impact.

### Impedance Matched Shielding (IMS)™

The Nexum utilizes a sophisticated single-point grounding design where the shield is connected strictly at the source side. This Impedance Matched Shielding configuration prevents the cable from acting as an antenna and effectively eliminates ground loops. A precision-engineered module featuring a "Floating Absorption Island" terminates the shield at the plug, ensuring that captured interference is drained away from your sensitive audio components.

## Specifications

Parameter	Value	Unit
<b>Electrical characteristics</b>		
Max. RMS current	6	A <sub>RMS</sub>
Max. Voltage	400	V <sub>PEAK</sub>
Shield Termination	IMS™ (Single-point Source Grounding)	
Filtration Technology	Core-Current Purifier™ (In-line RF Filter)	
<b>Connectors</b>		
Output connector	IEC320-C13	
Input connector	Schuko type E/F	
<b>Physical Features</b>		
Shielding	Double braided silver-plated copper	
Conductor cross section	0.7 (Solid Core)	mm <sup>2</sup>
Cable color	Gold/brown	
Cable configuration	Twisted	
Insulation (Dielectric)	High-Grade PTFE (Teflon)	
Outer Jacket	High-Durability FEP (Gold-Brown)	
<b>General</b>		
Standard Length	1.5	m

## Ordering Information & Bespoke Services

While our 1.5-meter architecture is optimized for peak IMS™ performance on standard AC mains, we offer bespoke configurations for unique environments. When used as a power link for the Sygnus Balanced Power Supply, the cable length is less critical due to the Sygnus's inherent noise-rejection architecture.

Type	Length	Terminal #1	Terminal #2
Nexum P-100SE	100cm	EU Power Plug	IEC320-C13
Nexum P-150SE	150cm	EU Power Plug	IEC320-C13
Nexum P-200SE	200cm	EU Power Plug	IEC320-C13

