



## THETA SERIES

SIGNAL CABLES, DIGITAL CABLES AND POWER CORDS

Theta Series signal, digital, and power cords were created using scientific innovation that has established Shunyata Research as a key contributor to the world's top recording studios and heart-surgery labs. Each component, material, and conductor within the Theta Series is custom-designed to extend the boundaries of signal resolution, even when compared to cost-no-object products. Theta Series products further expand upon Shunyata Research's legacy of delivering uncompromising performance at prices that raise expectations for *all* products in their category.



SHUNYATA RESEARCH

[shunyata.com](http://shunyata.com)

## ADVANCING TECHNOLOGY

Theta Series signal and digital cable products feature continuous-cast Ohno copper. Ohno copper is an ultra-pure conductor drawn using heated molds that cast the wire into a singular crystalline structure. The Ohno conductors used in the Theta Series are then extruded with a fluorocarbon dielectric and custom-shielding elements using Shunyata Research's exclusive PMZ (Precision Matched Impedance) process. This extrusion method tightens the tolerances of the conductor surface, dielectric and the precision placement of the shield. To achieve these finely drawn tolerances, the extrusion and braiding machines must be run at one-quarter normal speed during the manufacturing process.

Theta speaker cables and power cords feature VTX™ (hollow core) and VTX-Ag™ (pure silver center) conductors, both with an outer layer of ultra-pure OFE copper for enhanced performance. Finally, all Theta cables are conditioned for 4-days using Shunyata Research's advanced Kinetic Phase Inversion Process™ (KPIP v2™), which conditions conductor metals at a molecular level. Theta Series cables are terminated with Shunyata's custom-designed connectors and cold-soldered terminals. These custom-designed attributes elevate Theta Series performance far beyond expectation, regardless of cost.

THETA S/PDIF



THETA ETHERNET



THETA XLR



Ohno

**Ohno wire**, also called PCOCC was invented in 1986 by professor Atsumi Ohno of the Chiba Institute of Technology in Japan. Copper wire is created by an extrusion process that pulls a rod of cold copper through a small orifice which creates multiple crystalline boundaries. By contrast, Ohno wire is made by a process using heated molds that cast a wire to form a single crystalline structure. Ohno wire is well known for its exceptionally pure, grain-free sonic qualities.



KPIP v2™

After years of research into the underlying causes of burn-in, wire directionality and the effects of cryogenic treatment, Caelin Gabriel discovered that there was a core principle which remained only partially addressed. Once understood, it became possible to create a processor that reduces the need for long burn-in periods and eliminates the necessity for cryogenic treatment. As exceptional as the original KPIP™ treatment was, years of ongoing development have resulted in a significant advance in how thoroughly KPIP™ conditions conductors that undergo this extensive, 4-day process. When compared to the original process, **KPIP v2™** represents a dramatic performance upgrade on par with a component-level upgrade.



PMZ

Theta and Gamma Series cables feature an extrusion method that tightens the tolerances of the conductor surface, dielectric, and the precision placement of the braided shield. All are held to minute variances compared to normal extrusion methods. To achieve these tight tolerances, the extrusion and braiding machines must be run at one-quarter speed during the manufacturing process. Previously, **PMZ** was used exclusively in Shunyata Research's Product-of-the-Year-Award-winning digital cables. For the first time, PMZ has been applied with similar, dramatic effect to Shunyata Research's most affordable signal cables!



### THE SOUND AND FURY

Theta cables disappear, allowing the system to express sudden dynamic shifts in timing and frequency extension with effortlessness and nuance. A loom of Theta cables allows your complex system of electronics and speakers to speak with a single coherent voice.

Like their more affordable Gamma Series counterpart, Theta cables imbue the system with an unassailable sense of coherence, as if everything is in focus, without distortion or hard transients. There is an absence of perceived noise, allowing spectral and textural subtlety to come to the fore. Unlike common copper cables, Theta Series cables deliver explosive dynamics and pitch perfect frequency extension, even when compared to far more expensive cables. Theta's larger gauge VTX™ conductors add weight, dimensionality and an expansive, room-filling sound-stage.

### PROVEN PERFORMANCE FOR OVER 25 YEARS

For more than 25 years, Shunyata Research has prioritized innovation by advancing the science of signal and power transfer.

Theta Series cables are technically superior to prior products that have earned outspoken support from the world's foremost recording studios, sound engineers, music producers and recording artists.

## EXPLOSIVE DYNAMICS & PITCH PERFECT FREQUENCY EXTENSION

Model	Conductors	Noise Reduction	Dielectric	Gauge	AC Connector	IEC Connector	Length	Tech
THETA NR	VTX-Ag™ (OFE & Silver)	> 12 dB @ 1MHz	Fluorocarbon	10	Solid Brass	Gold-Plated Pure Copper	1.75M	VTX-Ag™
THETA XC	VTX-Ag™ (OFE & Silver)	-	Fluorocarbon	10	Solid Brass	Gold-Plated Pure Copper	1.75M	VTX-Ag™

#### Safety Assurance: All models

Continuity and polarity tests — by two technicians  
HiPOT tests insulation breakdown @ 1,200 VAC

Model	Conductors	Shield	Dielectric	Gauge	Connectors	Impedance	Length	Tech
<b>THETA SP</b>	OFE Copper	-	Fluorocarbon	8	Interchangeable STIS v3, cold welded	-	2.50M	VTX™
<b>THETA XLR</b>	Twin Axial, OCC Copper	100% Coverage Foil	Fluorocarbon	16	Gold-Plated Brass Contacts, Nickel Matte Finish	-	1.00M	-
<b>THETA RCA</b>	Coaxial OCC Copper	Pure Copper Braided	Fluorocarbon	16	Gold-Plated Brass Contacts, Nickel Mirror Finish	-	1.00M	PMZ
<b>THETA PHONO</b>	Coaxial OCC Copper	Pure Copper Braided	Fluorocarbon	16	Gold-Plated Brass Contacts, Nickel Mirror Finish	-	1.00M	PMZ
<b>THETA S/PDIF</b>	Coaxial OCC Copper	Pure Copper Braided	Fluorocarbon	16	Gold-Plated Brass Contacts, Nickel Mirror Finish	75 ohms	1.00M	PMZ
<b>THETA AES/EBU</b>	Twin Axial, OCC Copper	100% Coverage Foil	Fluorocarbon	16	Gold-Plated Brass Contacts, Nickel Matte Finish	110 ohms	1.00M	-
<b>THETA CLOCK-75</b>	Coaxial OCC Copper	Pure Copper Braided	Fluorocarbon	16	BNC High-Quality Metal, Gold-Plated Brass Contacts	75 ohms	1.00M	PMZ
<b>THETA CLOCK-50</b>	Coaxial SPC Center	SPC Braided	PTFE	20	BNC High-Quality Metal, Gold-Plated Brass Contacts	50 ohms	1.00M	PMZ
<b>THETA ETHERNET</b>	SR-6a (proprietary)	100% Coverage	PTFE	22	SR2-RJ45, Metal	100 (+/- 15) ohms	1.50M	-
<b>THETA USB</b>	OFC copper	Dual Foil and Copper	PE	22	SR-USB, Gold Plated Contacts	90 ohms	1.50M	PMZ
<b>THETA CGC/SGC</b>	OFE copper	-	Fluorocarbon	8	-	-	1.00M	VTX™

#### TERMINOLOGY

**SPC** Silver Plated Copper

**PE** Polyethylene

**OCC** Ohno Continuous Cast Copper

**OFC** Oxygen Free Copper

**OFE** Oxygen Free Electrolytic

**PMZ** Precision Matched Z

**PTFE** Polytetrafluoroethylene (Teflon®)

**VTX™** OFE copper with hollow inner core

**VTX-Ag™** Silver inner conductor with an outer concentric layer of OFE copper

**KPIP v2™** Kinetic Phase Inversion

Process

### LIMITED LIFETIME WARRANTY

The unparalleled craftsmanship and build quality of Shunyata Research products is backed by a limited lifetime warranty. This demonstrates our commitment to building the finest products on the planet and providing exceptional customer support.

— VALID ONLY IN THE US AND CANADA —

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