SHUNYATA RESEARCH

SIGNAL CABLES

PATENTED SCIENCE—
LEGENDARY PERFORMANCE

The internationally patented ΞTRON® technology is perhaps the most compelling of Shunyata Research's technologies, with its ability to measurably lower dielectric distortion and preserve the original signal's integrity. ΞTRON® cables have earned a legendary reputation among reviewers, customers and sound professionals for their ability to eclipse the performance of even the most cost prohibitive cables on the market. Caelin Gabriel's research has evolved a second generation ΞTRON® technology that is making its debut in the Alpha Series interconnects and speaker cables. The Alpha Series' combination of ΞTRON® technology, Ohno Copper, VTX™ hollow-core conductors, sonic welding terminations, and KPIP™ (Kinetic Phase Inversion Process) simply overwhelms competing products in performance, parts quality, and construction.

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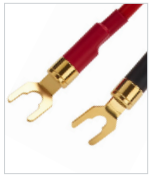
ALPHA

ALPHA SPEAKER

Alpha speaker cables use 7-gauge VTX™ conductors and ΞTRON® technology for reference level performance. The terminals are sonic-welded, ensuring minimum contact junction resistance. KPIP™ eliminates burn-in issues.

WIRE	OFE 7 gauge, VTX™
TERMINATION	Standard: copper or copper/gold terminals. *Optional: STIS™ interchangeable.*



ALPHA XLR

Alpha interconnects feature Shunyata Research's exclusive patented ΞTRON® technology that reduces dielectric distortion. Ohno Continuous Cast Copper, VTX™ (hollow core) conductors with expensive fluorocarbon dielectrics make for a true reference quality interconnect. KPIP™ eliminates burn-in issues.

WIRE	Ohno 16 gauge twisted pair, VTX™ geometry, FEP dielectric, braided shielding
TERMINATION	Shunyata XLR, tubular gold pins.

ALPHA RCA

Alpha interconnects feature Shunyata Research's exclusive patented ΞTRON® technology that reduces dielectric distortion. Ohno Continuous Cast Copper, VTX™ (hollow core) conductors with expensive fluorocarbon dielectrics make for a true reference quality interconnect. KPIP™ eliminates burn-in issues.

WIRE	Ohno 16 gauge coaxial, VTX™, FEP dielectric, silver plated braided shield
TERMINATION	Shunyata RCA, gold pins.

ALPHA PHONO

Alpha interconnects feature Shunyata Research's exclusive patented ΞTRON® technology that reduces dielectric distortion. Ohno Continuous Cast Copper, VTX™ (hollow core) conductors with expensive fluorocarbon dielectrics make for a true reference quality interconnect. KPIP™ eliminates burn-in issues. Includes separate Alpha CGC grounding cable.

WIRE	Ohno 16 gauge coaxial, VTX™, FEP dielectric, silver plated braided shield
TERMINATION	Shunyata RCA, gold pins.

Shunyata Research uses only the highest purity of copper available for the production of its wire products. **OFE Alloy 101** or C10100 is the highest grade of copper with a minimum 99.99% purity and a conductivity rating of 101% IACS. OFE stands for oxygen-free electrolytic and supersedes the term OFHC (oxygen-free high conductivity). C10100 is the only grade of copper that comes with a written certification of purity. Certified by ASTM F68 C10100.

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.

Shunyata Research's exclusive **VTX**™ conductors are made in the shape of hollow tubes. Since current can only travel through the outer rim on the wire, there are no skin effects or random eddy currents. VTX™ conductors are made from pure OFE C10100 or Ohno (single crystal) copper.

KPIP™ (Kinetic Phase Inversion Process) was developed by Caelin Gabriel after years of research into the underlying causes of various effects such as burn-in, wire directionality and the effects of cryogenic treatment. He discovered that there was an underlying core principle that burn-in and cryogenics only "partially" addressed. Once the governing principle was understood it became possible to create a processing technique and machine that could virtually eliminate the need for burn-in and cryogenic treatment.

ArNi® is a type of wire created by Shunyata Research designed to be the finest quality wire available for audio purposes. It begins with the highest purity of copper available – OFE C10100 or Ohno (single crystal). Then it is formed in virtual hollow tubes eliminating skin effects and eddy current distortions. In addition, the wire undergoes our proprietary KPIP™ process.

ΞTRON® is a technology developed by Shunyata Research that prevents dielectric absorption and re-radiation in signal transmission. It requires a special type of conductor that has two signal paths and an electric field compensation circuit that creates a cancellation signal that prevents the insulation from developing a charge. ΞTRON® cables preserve the integrity of the source signal even when using very long runs of cable. Patent US 8,912,436, Patent Ch ZL201180047344.2.

The **STIS**™ speaker terminal system was designed to eliminate the high cost and complication of speaker cable termination. The system makes it possible to use the same speaker cable with a variety of different amps and speakers. If a spade is damaged, you can simply replace it without sending it to the factory for re-termination. STIS™ interchangeable terminals have undergone extensive user listening tests to insure that they provide the finest audio performance that is equal or superior to non-replaceable, soldered terminals.

Crimping, soldering, brazing and cold soldering are all inferior methods of joining two wires or terminals together. **Sonic welding** uses high energy sonic waves to literally join two metals together at a molecular level. There is no solder or intermediary metals involved in the process.

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