

The **First**
The **Only**

THE ZERO™

*The World's First
Vacuum Dielectric
Interconnect Cable*

UNTIL NOW IT WAS ONLY A THEORETICAL IDEAL: conductors suspended in a vacuum. Now it's a reality. TARA Labs' cutting edge technologies create the world's only extreme performance interconnect: The Zero™. Combining Rectangular Solid Core® conductors with the world's only vacuum dielectric, The Zero is the perfect environment for ultimate signal transfer.

The result is what you'd expect from TARA Labs... the most ultralinear interconnect in history. The first, and only from TARA Labs.

TARA LABS
The Cable Technology Leader™

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THE ZERO™

Extreme Performance.....The new Zero interconnect combines several of TARA Labs' exclusive, proven technologies with one new one: the world's first vacuum dielectric.

To understand the design philosophy behind the Zero, it's helpful to understand how other technological advances TARA Labs has pioneered in the past are brought to bear in this revolutionary new design.

TARA Labs Technologies.....At TARA Labs, we have always designed products based on the fact that the conductor, its size, shape and configuration, is by far the most important factor in determining the sound of an audio cable. In 1990, TARA Labs introduced the Rectangular Solid Core® Series, a line of cables which use a solid, extruded conductor with a rectangular cross section. RSC® technology enabled the TARA Labs Design Team to engineer cables that offer the current-carrying capability of a large gauge conductor, with the frequency extension and accuracy of a small gauge conductor.

Cables such as RSC Master and RSC Decade received excellent reviews in audiophile publications the world over and joined the reference systems of many prominent reviewers. Through a decade of research and development at TARA Labs the Rectangular Solid Core conductor remains unchallenged in its position as the most frequency-linear, accurate and neutral conductors yet developed.

The Zero™ Performance Specs

Capacitance: 4 pF/ft.

Inductance: 0.018 uH/Ft.

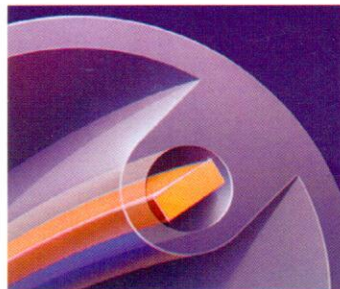
Vacuum Rating: -65 kpa

If the conductor is so crucial to the sound of a cable, why then take the trouble to reconfigure other elements of the design, such as shielding or dielectric? Because when the perfect conductor is used, subtle effects caused by other components of the cable construction become audible differences. With the problem of the conductor solved, TARA Labs turned its attention to the question of shielding.

In 1997, TARA Labs introduced The One™, the first in a series of cables known as the Isolated Shield Matrix™. These cables are the only interconnects on the market to use an Isolated Floating Shield™ which is completely decoupled from the signal path. (As contrasted to typical shielded cables which common the shield to the signal path at the ground pin.)

With the addition of ISM™ technology, the background noise dropped away as the effects of RFI and EMI were virtually eliminated. As the noise floor dropped, the subtle sonic effects of dielectric involvement became a more critical factor.

Air and Vacuum Technology.....The TARA Labs engineers designed a unique dielectric airtube which enables RSC conductors to be suspended in air. With the effects of dielectric loss and distortion removed, the sound produced by the RSC Air™ Series cables was remarkably more open, airy and lifelike than previous RSC cables.



TARA Labs' exclusive airtube dielectric enables RSC conductors to be suspended in air or a vacuum.

The perfect dielectric environment would be achieved if conductors could be suspended in a vacuum instead of air. Special RCA and XLR plugs were designed. The plugs are constructed of a gold-plated high copper content brass body, overlaid with an aluminum shroud which is sealed internally and externally with "O" rings. At one end of the cable the connector shroud is fitted with a precision valve which enables the drawing of a vacuum. Once this valve is sealed the cable assembly is capable of holding a vacuum pressure of -65 kpa.

The dielectric airtube with hollow internal galleries allows the uninsulated RSC conductors to "float" freely, while maintaining the necessary degree of precision in their alignment relative to one another for low capacitance. The capacitance of The Zero is an unprecedented 4 pF/ft.

The combination of RSC conductors, Isolated Floating Shield technology and vacuum dielectric make the Zero simply the most revealing cable available today. It so far exceeds the performance capabilities of other audio components on the market (whether electronics, speaker systems or other cables) that it is recommended for use in only the most extreme of high performance systems.

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