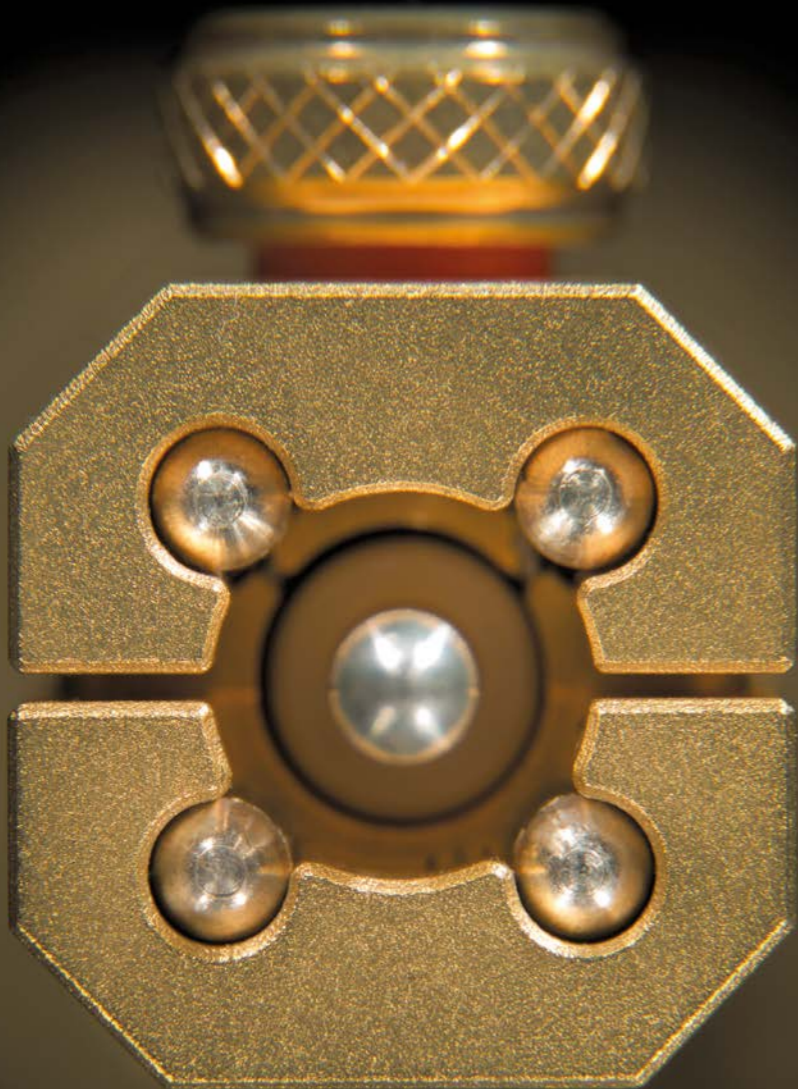


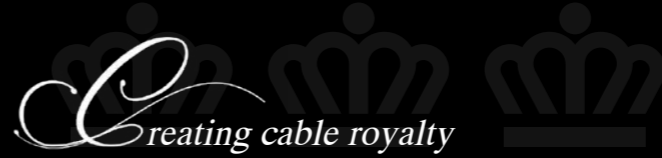


SILTECH



TRIPLE CROWN



Creating cable royalty 

Siltech's unique mono-crystal silver conductors already delivered the highest resolution, lowest loss audio signal path, the standard against which other conductors are measured. How could we improve on them? Well, if mono-crystal silver is the best conductor material available, one way to get better performance is to use more of it, creating dimensionally optimized conductors that use more of this costly material. The Triple Crown's conductors are the largest diameter mono-crystal silver conductors we've ever used, a solution that's only possible in a genuinely cost-no-object design, where the only consideration is ultimate performance.

But alongside new levels of musical nuance, detail and definition, the astonishing accuracy of the conductor also reveals the shortcomings in other aspects of cable construction; residual levels of micro-distortion and other error mechanisms that have been masked until now. Using the latest advances in audio measurement techniques, it became clear that to eliminate all distortion and minimize all induced errors would require the mechanical and electrical optimization of the signal transmission path as a whole, including not just the cable but the connectors as well. It would require a complete rethink of the construction and new levels of geometrical and conductive consistency.

The result is Triple Crown – a cable with a radically new construction and revolutionary new connectors that heralds a revolution in the musical accuracy of audio cables.

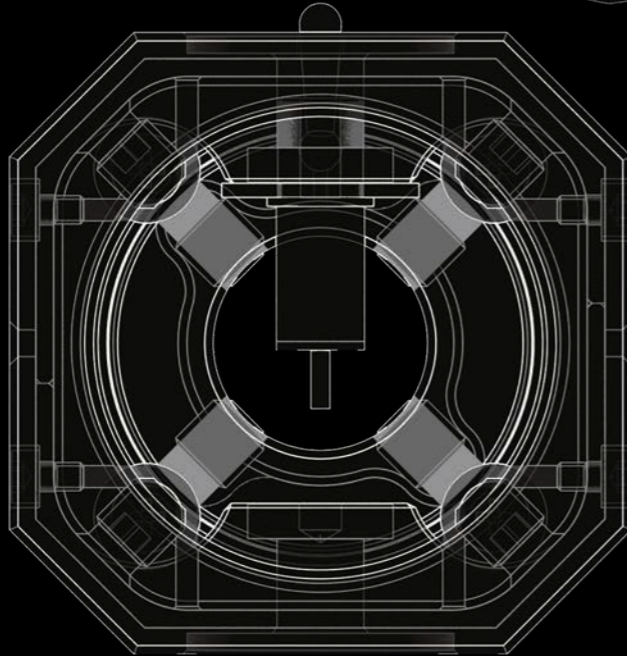
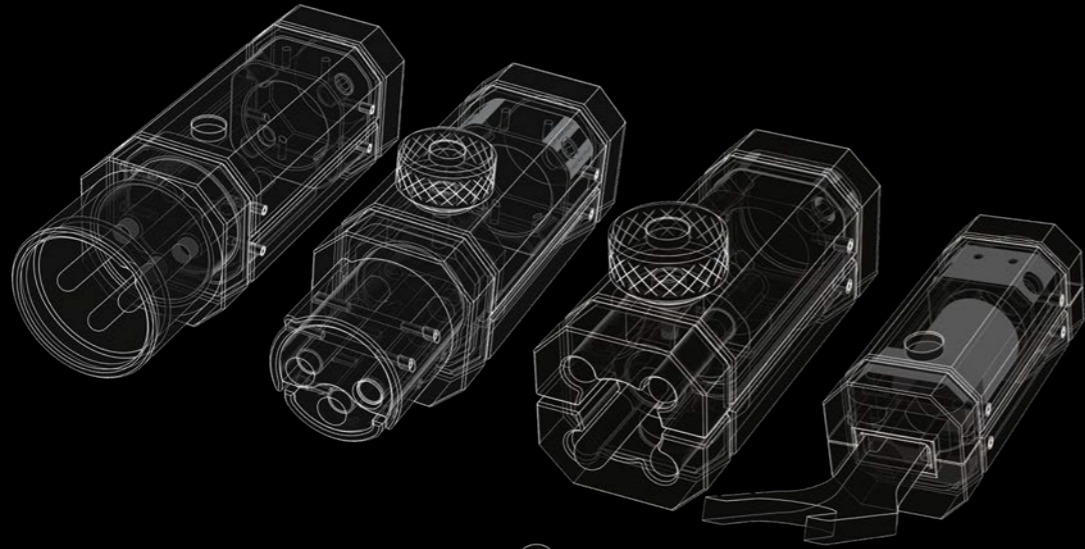


Insulation – the conductor’s not so passive partner.

We know how effective the widely spaced screens used in our Double Crown cables are when it comes to protecting the fragile audio signal. We also know how much damage, soft, lossy insulation materials can do. That means that the best audio performance will come from a cable that is large diameter and stiff – almost like a length of pipe! The challenge seems impossible: to create a large diameter cable that is rigid yet practical, structurally stable yet flexible.

Siltech’s engineers have finally perfected a radical new cable topology, a complex construction that ensures absolute geometrical and mechanical consistency, no matter how the cable is curved. It needed to be longitudinally flexible but stiff in compression. Designing it was a challenge, but nothing prepared us for the difficulty of actually producing it. Two years of research have led to results that far exceed even our expectations. We call the new topology Air Cradle Construction and it combines massive mono-crystal silver conductors with ultra low-density insulation created from a complex Teflon matrix, to deliver incredibly low inductance, resistance and capacitance.

The result is a vanishingly low loss cable with numbers that aren’t just better than any other cable we’ve ever produced – they’re better under any circumstances. Because what Siltech’s exhaustive empirical research has also revealed is that it’s not just low LCR numbers that matter, but the consistency with which a cable delivers those numbers under real-world conditions.



*M*aking consistent connections

Because contact, materials and construction all matter.

Passing signal through cable is one thing – passing it through connectors is quite another. Such is the superiority of the new Siltech cable that it ruthlessly exposes the limitations and inconsistency of existing plugs, making it necessary to design completely new interconnect and speaker terminations, that match the mechanical and electrical consistency and stability of the Triple Crown cables.

With three patents pending, their solid mono-crystal silver contacts provide perfect material continuity through the cable and connector, while the revolutionary two-part asymmetrical design of both the XLR and RCA self-centres and mechanically clamps the contacts, ensuring a geometrically and electrically consistent connection, no matter the size or tolerance of the socket. Despite their size the new connectors are also incredibly low-mass - a result of the intricate construction and watch-like precision. That should come as no surprise: only a watch-maker was able to achieve the tolerances we demanded.



Superior shielding and easier handling

The large break-out bodies at each end of the interconnect and speaker cables are for more than mere decoration. Each one has a switch on it that allows you to lift the shield connection, allowing you to choose between directional or star grounding of each channel's shields – or no shield grounding at all – depending on the system and environmental situation. It's another small but surprisingly important step in the pursuit of ultimate system optimization.

The Triple Crown power cable's special grounding even removes the need for ground lifting, often done by audiophiles to improve the sound.

Each plug also allows the connector to turn through 90 degrees (so 180 degrees per cable). The Triple Crown cables are necessarily bulky and stiff. We made them as flexible as possible, but we couldn't make them bend any more easily without compromising the sound. Pose-able connectors aren't just an aid to installation – they're what makes it possible.



The essence of power cables.

Power cables have an unexpectedly big audible effect that degrade the reproduction of music. Magnetic leakages cause distortion in particular frequency ranges; these are picked up by all connected electronics and other (interconnect) cables nearby and as such induce small distorted currents which are unrelated to the music but do affect it. Furthermore, those distorted currents cause saturation in many power cords resulting into audible distortion at these peak currents.

During development of the Triple Crown power cables, very advanced Multiphysics software (COMSOL™) and measuring equipment by FW Bell (3D Gauss) and Audio Precision (THD) helped to achieve our goal; extremely high levels of power integrity, leading to an astonishing subjective performance.

The elimination of harshness, complete lack of induced distortion and subsequent bass stability create a new ultra-realistic feel to the music.



Digital amplifiers or amplifiers with switch mode power supplies have very different effects than electronics with analog power supplies. The Siltech Triple Crown power cable is balanced for both switching (digital) and non-switching (analog) loads which means that over a very large operating area magnetic interference with other nearby cables or electronics is minimized over an extreme wide frequency and current range.

Employing 7 unique heavy core S8 monocrystal conductors and a stabilized air core insulation ensures the Triple Crown power cable remains extremely stable under high current demand or bending the cable. The Triple Crown power cable's special grounding even removes the need for ground lifting, often done by audiophiles to improve the sound.

To make a universal flawless power cable, the EMC suppression and stability under load has to be suitable for every purpose, low or very high power, digital and analog. We believe we have achieved that goal.



The King isn't dead 

Setting a brand new benchmark.

When we embarked on the journey that created Triple Crown, we little realized how long that journey would take or just how far it would take us. Was it all worth it? No one number tells the whole story but consider this – at 18pF/m, the Triple Crown cable has around one-fifth the capacitance of our already outstanding Double Crown. That means it has around one-fifth of the capacitance of the next best sounding cable that there is. That's not an incremental improvement, it's a huge breakthrough – and Triple Crown enjoys a similar margin of superiority in each and every performance parameter, those that are known and recognized by high-school physics and those that are only revealed by the most sensitive instruments and measurement apparatus that man can build.

But it is the most sensitive measurement tool of all, the human ear, that reveals the truth of the Triple Crown's performance. No other cable measures as accurately as the Triple Crown and no other cable sounds as musically real. The Double Crown used to set the standard to which other cables aspired. It still does, but now it stands in the shadow of a new champion, and...

... He just got a whole lot better!

Siltech Triple Crown
Because excellence is no accident



SILTECH



TRIPLE CROWN

www.siltechcables.com

Models and specifications are subject to change without prior notice.

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