
SILTECH
EST. 1983
Classic Legend
Handmade in The Netherlands

The Classic becomes a Legend

The new Classic Legend range of interconnects, loudspeaker cables and power cords delivers exceptional performance for its price. It offers superb value for money thanks to the combination of Siltech's ultra low loss G9 silver-gold alloy conductors, and an exclusive insulation package using DuPont Teflon and PEEK, for superlative electrical and mechanical noise rejection.

The latest in Siltech's Classic series of cables, Legend represents the culmination of over thirty years of research into conductor and insulation materials. Despite its moderate pricing, it has low capacitance, excellent high frequency characteristics and the lowest possible distortion. This translates to a superbly resolved sound with a smooth, balanced tonality and exceptional stereo imaging properties.

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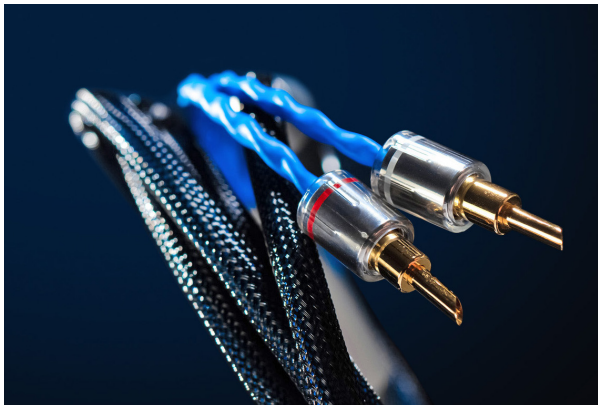
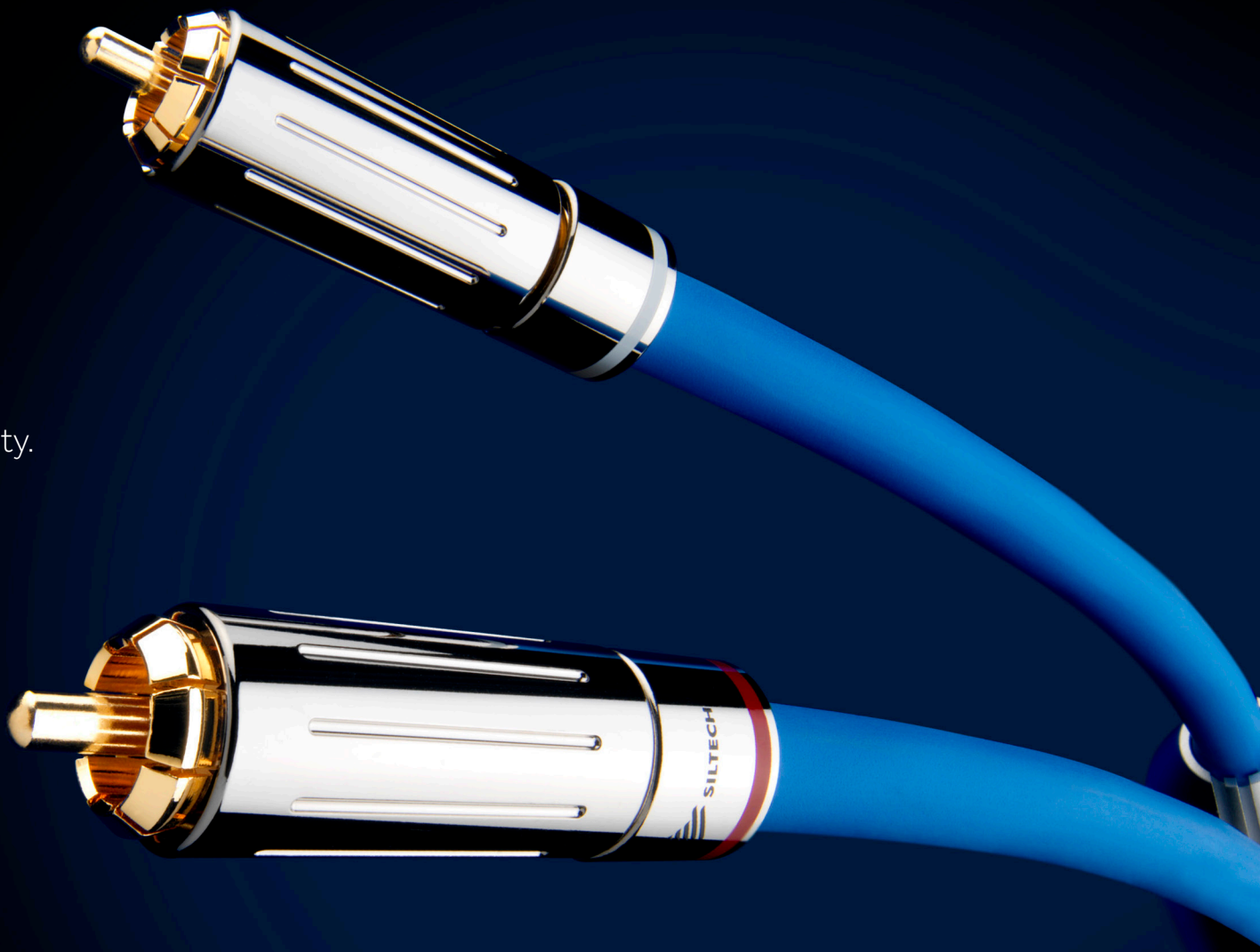


- exclusive Siltech G9 silver-gold alloy conductor
- bespoke DuPont Teflon and PEEK insulation
- class-leading sound quality

- ultra low measured distortion
- superb RF and magnetic interference rejection
- designed and manufactured in The Netherlands

- analog, digital, speaker and power cables
- Siltech NFC tag ensures product authenticity
- excellent value for money

Although the Classic Legend is accessible, it offers superlative sonic performance, build quality and durability.



How the Legend began

Back in 1997, the Classic range established Siltech as one of the world's leading manufacturers of high performance, value-for money cables. The combination of the company's third generation G3 silver-gold alloy conductors with two layers of DuPont Kapton insulation, made a cable that was a thousand times less noisy than its rivals, according to technical measurements done at the time. Indeed, the noise level at the output of the cable was near zero across the whole audio frequency range, and above. Siltech called it "the first silent cable", because it was unaffected by surrounding magnetic fields.

The Classic's shielding system was effective enough to take full advantage of Siltech's class-leading metallurgy, and the result proved a great commercial success. It put the company on the map as one of the world's leading cable manufacturers and set a high bar for 2007's Classic Mk2 to surpass. This introduced an improved fifth generation G5 silver-gold alloy conductor, offering even better conductivity for lower signal loss. It was a significant step up in quality, with a subtly warmer sound and a tauter, more articulate bass.

In 2013 the Classic Anniversary arrived, using a coaxial topology and seventh generation G7 silver-gold conductors, plus a new dual twisted coaxial geometry. The combination of even purer metal and better insulation delivered a significant ratcheting up of performance. The result of decades of accumulated research and development, it had an even purer sound than its predecessor, with lower measured distortion.

Launched in 2021, Classic Legend is the finest value cable that Siltech has ever made. It pioneers the company's ninth generation G9 silver-gold conductor, using the latest in a long line of special alloys. Taking technology trickled down from the flagship Crown range, its insulation uses a combination of DuPont Teflon and PEEK for exceptional low distortion and unlimited dynamics. It comfortably surpasses all previous Classic cables in technical measurements and subjective sound quality, with an uncannily natural, musical performance.

1997

2005

2008

2021

Every Classic Legend cable comes with Siltech's exclusive NFC tag, which gives it a unique and traceable identity – guaranteeing authenticity.

Siltech conductors

Siltech was founded in 1983, its name an abbreviation of "silver technology". Since then, the metals used in the conductors have been central to the company's design ethos – and performance advantage.

Siltech gives each successive generation of its metallurgy a number. G1 referred to the 99.99% pure solid silver wire found in the first cables. Silver boasts the best conductivity of any metal and, unlike copper, doesn't degrade over time – indeed it actually improves. That's why it is ideal for audio applications.

In 1988, G2 silver was introduced to the Siltech range, offering a longer crystal length. This reduced the number of gaps between the silver atoms, improving the wire's electrical characteristics and therefore sound. This conductor was improved in 1993 with the addition of 24k gold wires to the existing silver ones.

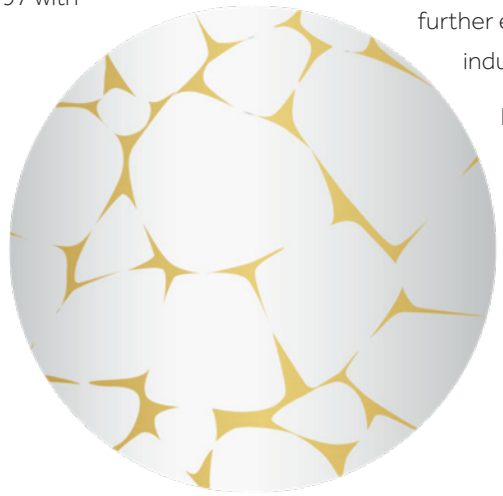
G3 saw the first Siltech silver-gold alloy conductor. Released in 1997 with the launch of the first Classic range, it proved hugely successful. By injecting gold atoms near the crystal boundary of the silver conductor, boundary distortion was dramatically reduced to 20% of the original amount. These micro cracks were later lessened to 10% by refining the process, and the technology formed the basis of the Classic Legend conductors used today.

The fourth generation G4 metallurgy was a special silver-gold alloy used for recording studio cables where mechanical strength is very important. It was followed by G5, which appeared in the Classic Mk2 cable. This was a further refinement of the melting process that reduced boundary errors to less than 1%. This in turn noticeably improved the sound of all cables that used it.

Launched in 2006, G6 saw a further boundary error reduction of 0.1%, thanks to the new Siltech Advanced Thermal Treatment (SATT) process. This special heat treatment technology increased conductivity by rearranging metal molecules at high temperature. A high current pulse improves the metal grid before the insulators start to melt.

G7 was developed in 2013, further refining Siltech metallurgy; it was adopted for the Classic Anniversary and Royal Signature cable ranges. G8 followed, introducing a new monocrystal technology that avoided micro cracks altogether. This further enhanced the performance of the conductor, setting new industry standards.

In 2021, G9 improved the silver-gold alloy still further, offering improved cable run-in times. Far less time is needed for the conductors and insulators to achieve their optimum performance. Less than one hundred hours is required, depending on the connectors.



Siltech's unique silver-gold technology adds gold to silver wire to fill in the micro cracks. This results in dramatically lower distortion

Siltech topology

The best conductors in the world won't save a cable from sounding bad, if the shielding isn't right. That's why Siltech shows forensic attention to detail in its choice of shielding materials and cable topology.

Whereas the Classic range has traditionally used Kapton insulation – a stable polyimide film developed by DuPont, found to provide far better protection for conductors – the new Legend employs a type of Polytetrafluoroethylene, better known as Teflon. To this is added Polyether ether ketone – a colorless organic thermoplastic polymer called PEEK – to create a three-layer insulation.

Combining different materials can deliver significant improvements to sound, Siltech's research has found. These multilayers confer unique properties such as superior thermal stability and physical ruggedness, as well as better electrical shielding at audio frequencies and beyond. Due to the widespread use of noisy switching power supplies in the home, this has never been more important. Measurements show how interference induces non-linearity in the current flow, producing distortion and damaging sound quality.

Siltech has carried out exhaustive measurements and subjective listening tests to discover how best to combine shielding materials, and found that it is not good enough simply to use generic versions of these materials. That's why the purest DuPont-supplied Teflon is specified, which has been found to give the greatest subjective sonic improvements.

Siltech build

Every Siltech cable uses the finest conductors, shielding and connectors that are possible at the price. Additionally, each one is made at Siltech's purpose-designed factory in The Netherlands, where it is assembled, finished and individually tested against a reference. Some cable ranges are fully made from the ground up by hand, and termination is always done by hand.

Wire twisting and stripping is done by high precision specialist machines. Special tools are used for soldering to ensure a metal-to-metal contact before bonding, preventing signal loss. Engraving is done with Siltech's own high power precision laser equipment. Every cable is tested on a purpose-designed computer, with all properties of every product measured before it is ready for sale. In addition to this, each cable is auditioned to ensure exactingly high standards.

The result is an ultra-high precision product that's built to last and give consistent performance over the years. Indeed, the electrical properties of silver and gold improve slowly over time, as the crystal grid structure improves. Thanks to this continuous breaking-in process the cables keep getting better, unlike copper which begins to degrade fairly quickly.

So-called positive ageing is one of the reasons that make Siltech cables highly sought-after second-hand. Model ranges are not regularly changed, and some products have run up to twenty years before being discontinued. All this explains why Siltech has the highest second-hand price of any cable brand.

"Siltech does fundamental scientific research that few such specialist companies can..."

Meet the **maker** – Edwin van der Kley Rynveld

"When I acquired the company in 1991," says Siltech designer and CEO Edwin van der Kley Rynveld, "I didn't believe in cables. As an electronics engineer by training, I thought that if you can't measure something, it doesn't exist. But I decided to listen, and found they made striking differences to the sound of a hi-fi system – and that it varied according to their construction. So I started serious, empirical research. I made my own test equipment, which was better than anything else around at that time, and never looked back..."

He continues: "I could measure about 150dB down, which is still about the practical limit even now. This allowed me to see what was happening at the noise floor, which I was able to correlate – to a degree – to different cable conductor types and shielding materials. Then Philips closed one of their Dutch laboratories, and I bought all of its test equipment. It was very powerful, and a fantastic chance for Siltech to dig really deep into the science of audio cable design. This research helped me tremendously. It is a common belief that you can't measure cables, but you absolutely can – you just need to know what to look for and have the tools to do it."

"The other side of this," reflects Edwin, "is the assertion that you can predict fantastic sound just by measurement. Unfortunately, it's just not that simple. I think it's like cooking – if you have a good meal, you can be pretty sure that you have good ingredients in there. But you need to know what these are in the first place and understand why they're working well together. Many audio cable designers are working blind, going by trial and error. That's a very long road, and not the Siltech way."

"Many details are still not set in stone," says Edwin. "One discipline is magnetic research, which is very much an unknown for most people, but this is an area that Siltech excels in, and where we try hard to keep ahead of our competitors – thanks to our hard science background. Rather than cooking with our eyes closed, we test as much as we can. Others may have a lucky strike, but I need to find the reason for subjective differences in sound. Are we always successful? No, but we've been doing it for over three decades now and our method is generally highly effective."

"Siltech does fundamental scientific research that few such specialist companies can. We have PhDs analysing metallurgy, directions of currents, magnetic fields and insulation material effects – and seeing that there's always much to learn. In high end cable design particularly, there are many details that seem to count but not all are categorised, let alone understood".

"We're extremely proud of all our advances over the years, and believe we have created a legendary product that will be a favorite of many audiophiles for years to come."

CEO
Siltech

Classic Legend analog interconnects

Three models of RCA phono cables are offered in the Classic Legend series, the 380i, 680i and 880i. All use Siltech's latest G9 silver-gold alloy conductors, the company's best of this type to date. They are all twisted coaxial twin-core designs, to extract the highest performance possible from the metallurgy.

Premium quality triple layer insulation is employed comprising DuPont Teflon and PEEK for maximum rejection of electrical and mechanical noise. Siltech's proven Super Shielding is fitted for excellent durability and full protection against EMC.

Both cores of the 680i are twice as large as those used in the 380i, and the insulation is sturdier and the shielding is improved. The 880i offers an additional increase in the conductivity of each core, of nearly one and a half times that of the 680i. Again, insulation and shielding are further augmented. A special Zero Ohm ground cable is also offered.

The result is an analog interconnect of exceptional neutrality, clarity and insight – with ultra-low measured distortion. It has very little character of its own, allowing the full quality of the source, amplification and loudspeakers to be realized. The performance is absolutely exceptional, at the price.

Classic Legend digital interconnects

The importance of a high quality connection between digital source and DAC cannot be overstated. Poor digital cables suffer from electrical interference and jitter that audibly degrades sound. That's why the three Classic Legend digital interconnects are each designed from the ground-up, specially for the type of connector being used.

The goal was to minimize jitter to ensure the best possible time domain performance, which is particularly important when external clocks are used. Also, very accurate impedance matching was a key design criterion, with each cable carefully measured to ensure the precise and correct impedance.

The range comprises the 75 Ohm 380D coaxial cable with asymmetrical construction, Dupont Teflon isolated cores and a choice of BNC or RCA connectors, and a balanced AES-EBU cable with 110 Ohm impedance plus a separate drain wire and with one total shield.

Siltech also offers a balanced 380 USB cable with 90 Ohm impedance, and the 100 Ohm Network Ethernet cable also uses two coaxial pairs of conductors. All feature Siltech's class-leading G9 silver-gold alloy cores, with pure Dupont Teflon insulation for maximum stability at high frequencies. Siltech's Super Shielding is specified for effective protection from external electrical and magnetic induced noise.

Classic Legend digital cables are ideal for audiophiles who are serious about the sound of their digital source. Their ultra low noise and jitter design lets today's finest DACs do their job properly, resulting in superior subjective performance with a more natural, musical sound.

Classic Legend loudspeaker cables

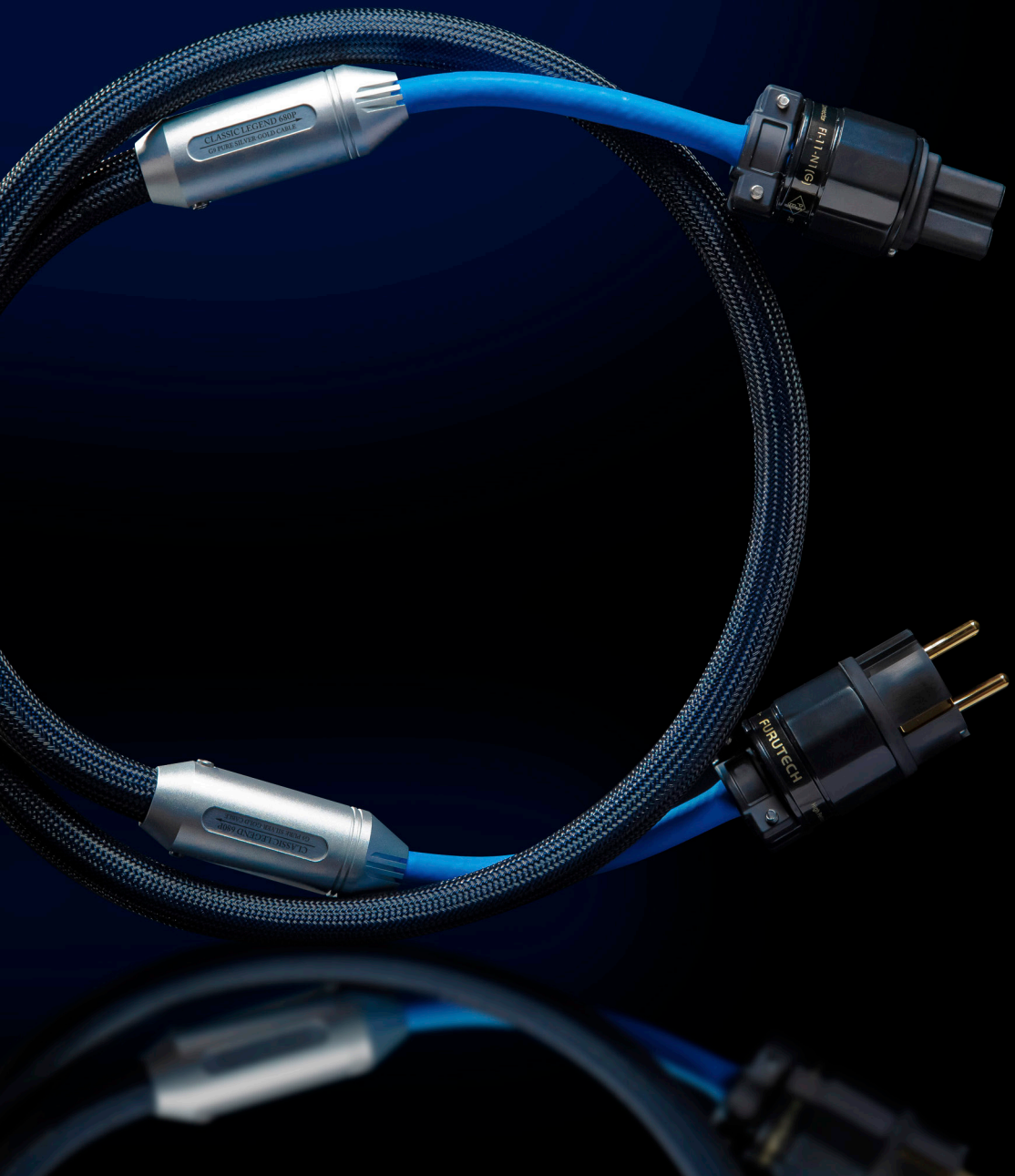
It has long been understood that speaker cables have a profound effect on the overall sound of a hi-fi system, which is why it's important to invest in the best ones you can afford. Siltech's Classic Legend loudspeaker cables offer superb value for money, delivering a technical and subjective performance that totally belies their price.

As with every model in the range, the latest G9 silver-gold conductors are used – here in a twin-core, twisted coaxial pair arrangement. These are contained in a premium quality multi-layer insulation package of DuPont Teflon, PEEK, Teflon and one or two layers of Siltech's Super Shielding, with floating shield technology.

The cores of the middle range 680L model can handle four times the power of the starter 380L – the latter being recommended for 200W maximum and the 680L 800W – plus the insulation is sturdier and the shielding improved. The top-of-the-range 880L offers an additional increase in power and is recommended up to 1,800W. The interconnect and power cable versions add a double Super-Silent shield, further improving insulation and shielding.

Classic Legend speaker cables deliver a startlingly open and neutral performance which helps the loudspeaker to properly do its job, and lets the listener focus on the beauty of the music itself. Siltech's legendary tightly controlled yet propulsive bass sound is there in all its glory.

Classic Legend power cables



With the increasing prevalence of switching power supplies, AC mains noise is more of a threat to hi-fi system sound than ever. That's why it's important to use high quality mains cables that shield out radio frequency noise pollution. Siltech's Classic Legend power cables are designed to do precisely this.

There's a choice of three models – the 380P, 680P and 880P. All use Siltech's latest G9 silver-alloy conductors, here in a special twin-core configuration with twisted coaxial pairs. DuPont Teflon and PEEK insulation are used for optimum rejection of electrical and mechanical noise, along with Siltech's proven Super Shielding for ruggedness and durability.

The 680P's larger conductors quadruple the maximum power compared to the 380P, and its insulation and shielding package is substantially improved. The 880P's larger conductors allow more than double the power of 680P, and it is recommended for amplifiers with a rated power output of up to 1,200W RMS per channel. Both 680P and 880P employ Siltech's double Super-Silent shielding.

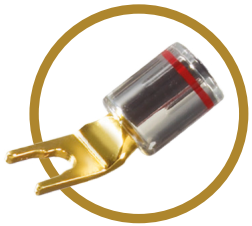
The result is an exceptionally high performing power cable, which helps to deliver a cleaner and purer sound with less noise, harshness and grit. Any hi-fi system is only as good as the cables that connect it, and Siltech's Classic Legend series offers exceptional sound at an affordable price.

Any cable is only good as its connectors, which is why Classic Legend uses bespoke, best-in-class plugs and spades in a choice of gold, silver and rhodium plating as appropriate.

Classic Legend connectors

SB006
Siltech gold-plated banana, standard banana connector on Classic Legend 380L

SB007
Siltech rhodium-plated banana, standard banana connector on Classic Legend 680L and 880L



SSP006
Siltech gold-plated spade, standard spade connector on Classic Legend 380L

SSP007
Siltech rhodium-plated spade, standard spade connector on Classic Legend 680L and 880L

Neutrik XLR
XLR connector with gold-plated contact pins. Black housing for 380i, nickel-plated housing for 680i and custom Siltech version

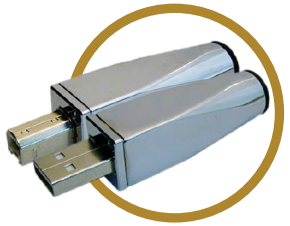
SC006
Siltech gold-plated RCD connector, standard RCA connector for the Classic Legend series

Wattgate AC EU/US/UK and 10A/16A
Standard power connectors for Classic Legend 380P

Furutech FI-11 Gold - AC EU/US/UK and 10A/16A
Standard power connectors for Classic Legend 680P and 880P

Tonearm connector
Straight or angled, available on all phono cables

BNC
BNC connector for Classic Legend 380D



USB type A and type B
Custom matt silver USB connectors for Classic Legend 380 USB

Network
Completely shielded high-end RJ45 connector for Classic Legend Network

The Classic Legend range has cables to suit almost every application, from analog and digital interconnects and a ground cable, to speaker cables and power leads.

Classic Legend range overview

	Model	Cores	Monocrystal copper	Pure silver-gold alloy G7	**Pure silver-gold alloy G9**	Pure monocrystal silver	Twisted pair	Star quad	Coax	Twisted coax pair	Siltech special Multicell	Kapton	PEEK	Teflon	Super shielding	Cross section
Interconnects	380i (phono)	2			•					•			•	•	•	
	680i (phono)	2			•					•			•	•	•	
	880i (phono)	2			•					•			•	•	•	
Ground cable	Zero Ohm Link				•			•								
Loudspeaker cables	380L	2			•					•			•	•	•	
	680L	2			•					•			•	•	•	
	880L	2			•					•			•	•	•	
Power cables	380P	2			•					•			•	•	•	
	680P	2			•					•			•	•	•	
	880P	2			•					•			•	•	•	
Digital cables	380D	2			•		•							•	•	
	380 USB	4			•		•							•	•	
	Network	4			•		•							•	•	
			Metallurgy				Construction					Insulators				

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