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audioquest

AudioQuest History

Bill Low's AudioQuest: In Search of Sonic Immersion

Humble Beginnings: "Blame It On the Bossa Nova"

AudioQuest's founder and chief designer, William E. Low (Bill), likes to say he never wanted a job and never had a plan. The truth, of course, is more involved, if only slightly: Bill initially became interested in audio equipment when he was a teenager. Later, in college, as his love and knowledge of music grew stronger, his interest in audio blossomed into a full-blown passion. Eventually, necessity led him to design signal-carrying cables. So, AudioQuest was never planned so much as it evolved.

From a very early age, Bill showed an intense passion for music and sound, and had a particular fondness for complete sonic immersion. To any hardcore audiophile or helpless music lover, this scene will most likely sound very familiar: As a child, Bill did his homework while listening to Top 40 AM radio using not one, but two \$8 transistor radios—one in each of the two drawers that flanked his position at the desk-with the drawers themselves opened precisely 10cm, thus allowing a fuller version of the music to emanate from the drawers and envelop him in sound. This might not be surround sound as we think of it today, but it did the trick. The only problem was that when the DJ played one of Bill's favorite songs— "Blame It On the Bossa Nova," for instance—he couldn't get any of his

As a small child, Bill's curiosity led him to discover that, if he held the tip of a safety pin to a record while it spun, he could hear music—a modest revelation that may have initiated Bill's desire to manipulate audio components and

homework done! Who among us doesn't have

a similar story?

further explore sound. Music made Bill feel good, that much was clear. But now, he was becoming interested in controlling that feeling, enhancing it. A couple of years later, not yet a teenager, Bill sold his first record player for \$13 and used many, many payments of his \$0.50/week allowance to buy a better, previously owned player. With this piece, Bill learned that a record player was composed of distinct parts—a turntable, stylus, tonearm, amplifier, and speaker—all of which could be improved, one by one. Soon, he bought seven small \$1 speakers from a mail-order catalog, and strung them around his bedroom. All he wanted was to be immersed in music.

It wasn't long before Bill was building Heathkits and Dynakits for classmates. The small amount of money that he earned for each amplifier or preamp would pay for LPs. Later Bill traded up to new and better components, such as his Garrard Lab 80 and Empire 888PE cartridge. As his connection to music grew deeper and stronger, he continued to want even better and more.

An Absolute Hedonist

It should come as no surprise, then, that William
E. Low describes himself as a pleasure
seeker. Born in 1951, in Boston,

Massachusetts, to a Viennese father and an American mother (who traces her family's roots back to the original New England and Virginia colonial settlements), Bill remains extremely grateful for the upbringing they offered him, one in which he aspires to be a citizen of the world, rather than merely a citizen of any one city, state, or country. Indeed, Bill spends much of his time traveling back

and forth between audio shows, AudioQuest headquarters in Irvine, California, and his other beloved home in New York City. His free time is spent enjoying several forms of entertainment: Each year, he attends nearly 200 movies, more than 20 plays, several operas, and, of course, many concerts.

Bill's passion for pleasure extends into his work. He considers himself to be in the entertainment and recreation business. More than a technology or engineering company, Audio-Quest has always been, and will always be, in the business of entertainment. While there is incredible technology embedded into modern audio/video toys, the heart of AudioQuest is in the human relationships developed and strengthened by entertainment and recreation, and specifically in the quest to become more deeply connected to and moved by music and pictures. Despite the changes in how consumers use and relate to their media, and despite AudioQuest's never-ending desire to fulfill the needs of their customers, the company's ultimate vision remains constant.

The product lines may grow and evolve, but a specific goal endures: AudioOuest aims to deliver the most beautiful. durable, and reliable audio/video cables and accessories on the planet, products that don't only represent the absolute highest value but that also exceed any expectations regarding performance. Of course, certain compromises may always exist, but AudioQuest endeavors to work intelligently within the boundaries of those compromises, remaining keenly aware of any necessary tradeoffs so as to make the decisions that inevitably lead to superior products. Following ideals can be dangerous, but carefully made compromises can yield fantastic results. This philosophy extends to elements of design that are not directly related to a product's performance, such as packaging, look and feel, usability, and customer support. That premium product must, in fact, do everything at least as well as any lesser product, while still accomplishing its ultimate goal of exceptional performance. Bill knows that, in accomplishing his goal, he will have built long-lasting relationships with his customers—another achievement in which he takes great pleasure and pride.

But that idea of pleasure cannot be overstated. In describing his relationship with music and audio gear, Bill Low, in a 2008 interview with Neil Gader of The Absolute Sound, explained, "I'm an absolute hedonist and have had nothing to do with electronics at all. Everything I've learned about hi-fi or cables is purely the result of being interested in getting high on music."

According to Bill, music is the finest of all recreational drugs. He was hooked from an early age and remains an utter addict.

Getting High on Music, Learning to Learn, & Learning to Sell

The music of the 1960s and early 1970s had a rapid and profound effect on our society, not only reshaping the popular political and personal ideas of the time, but also forever altering our fundamental language and cultural consciousness. Like many of his generation, Bill was swept up in the revolution; it had a great impact on his direction in life.

Like Apple's Steve Jobs, Bill attended Reed College in Portland, Oregon, in the early 1970s. There, in what he now refers to as "a meandering learning-how-to-learn exercise," Bill devoured a wide-ranging curriculum of history, sociology, psychology, philosophy, physics, biology, political science, and art history. Not only did he find Reed's progressive studies wonderfully stimulating, they turned out to be the best education a cable designer could have had. Reed is also where Bill took his first steps toward starting a full-fledged audio business, initially by sharing his passions for music and sound by optimizing his classmates' systems, and later by selling them new and improved systems!

Bill and a friend started a business in which they acted as "audio middlemen," purchasing gear at significant discounts from mail-order catalogs and selling it for less than what their customers could find elsewhere. They started with a Sherwood receiver, BSR turntables, and products from Hitachi. Later, Bill wrote letters to every manufacturer listed in Audio magazine's annual directory. To his surprise, many of those manufacturers responded, and Bill soon found himself as an authorized dealer for brands like Decca, IMF, and Linn. He would go on to become the largest Linn Sondek dealer in the nation at that time.

Despite his success, Bill was nagged by an urge to make a move from Portland to Northern California. In 1976, he handed over the business to an employee and moved to Palo Alto to become an independent representative for Koss and Celestion speakers, Audionics electronics, Decca phono cartridges, and, most importantly, Decca carbon-fiber record cleaning brushes. To this day, Bill quips that the brushes were the only products with which he had success at selling: He sold 40% of all Decca brushes in the US. After a delightful one-year stint "starving" in Palo Alto, Bill continued south to Santa Monica. After a second year as a manufacturer rep, Bill realized that he was much better suited to the retail environment, where he had both the luxury and the control to sell only those products he liked best.

For Bill, the only way to sell is to be credible while making honest, personal recommendations. After all, it's far easier to sell those products or ideas in which one strongly believes than attempt to sell products or ideas in which one is merely ambivalent, or worse, cynical. Even a superior product, even the truth, as Bill likes to say, must be sold. While knowing how to sell, when to listen, and when to speak are all critical skills, the most important tool in the salesperson's kit is a firm confidence in the product, idea, or service he or she is selling, while also having a similar confidence in the process by which that product, idea, or service is sold.

Of course, Bill did not arrive at these core beliefs suddenly, but rather approached them naturally, gradually, over time, with travel and experience. A crucial point in his journey as an audiophile, music lover, and professional came in 1978, when Bill began selling his favorite audio gear in a small, by-appointment, high-end audio salon right out of his Santa Monica apartment.

"Original Recipe" & Going Live

During this time, Bill recognized that deficiencies in signalcarrying cables were responsible for a significant share of the distortion in any audio system. He was aware that, in 1976, the Polk speaker company had introduced to the US market a specialty wire called Cobra Cable, imported from Japan. From Bill Low's point of view, the introduction of that cable, at the June CES in Chicago, marked the official start of the audio cable business in the US.

When Bill opened his salon in 1978, he wanted to have a superior cable to both use in his listening room and sell to his customers. Though he had been using a fat electrical wire that friend and future creator of Monster Cable, Noel Lee, successfully sold in Northern California, Bill wanted something better, something special. He partnered with Middleton, White, and Kemp (MWK), a small, appointmentonly dealer in Anaheim, who had forged an interesting relationship with Dave Gore, designer of the then-popular Quatre DG250 amplifier.

Gore had introduced MWK to a cable design based on an article written by audio journalist Martin Colloms and published in a 1978 issue of the British magazine HiFi News & Record Review. With the article as a starting point, Gore and MWK somewhat fancifully used a door handle, a drill, and a spool of 180-strand 15AWG litz wire to make a twistedpair speaker cable. To their delight, their strange creation significantly outperformed the large welding cable they'd been using as a reference. After tweaking the design a bit, Bill and the partners at MWK settled upon a 435-strand-perconductor, twisted-pair litz construction, which today Bill lovingly refers to as "Original Recipe."

Despite its ordinary white nylon wrap and modest overall appearance, this wire resulted in what Bill considered to be, by far, the best interconnect and speaker cable then available.

It wasn't until two years later, however, in 1980, after several other dealers and a Japanese distributor had started buying cable from Bill, that he decided to produce cable not just for his retail customers, but also for the purpose of selling to other stores.

And that's when, with no formal business plan and just a few hundred dollars in the bank, Bill established AudioQuest. His first cable was called LiveWire. The evolution had begun in earnest: By the end of that year, Bill had developed a number of far more sophisticated cables and had acquired 42 dealers in Southern California, as well as one in Colorado, the wonderful ListenUp, with whom AudioQuest is still partnered today.

In 1981, Bill expanded his distribution throughout the United States and to every continent. His complete confidence in his LiveWire Green Litz cable made him willing and eager to match it against any of the day's "best" cables. In fact, if you were to ask Bill right now, he'd still be quick to pick LiveWire Green Litz over many of today's competing designs.

He's not always humble.

The Evolutionary Model

To Bill's way of thinking, the evolutionary model is perfect. As has been discovered in genetics, not only are there far fewer genes than once supposed, but most of the building blocks for genetic evolution appear to have been around for at least half a billion years. It's the expression of these genes that allows for such incredible biological diversity.

Similarly, there are very few ingredients that can be manipulated to affect cable performance. Much of Bill's accumulated knowledge comes from having observed small changes in performance when no change was anticipated, and then working, as methodically as possible, to transform that new awareness into a predictable means and method for minimizing a distortion mechanism. Over time, bits and pieces of what Bill couldn't readily see have slowly become visible. In that fashion, he makes incremental progress.

Bill believes that an ideal system should act as a clear window to the music. But because all audio systems, including the room in which the system resides, are so far from real or transparent, the test for success should not be whether a system sounds real, but how effective that system is at emotional transportation—the ultimate reason for listening to music at all.

Truth and transparency in a system are absolute values. However, the absolute failure of an audio system to sound real doesn't make that system a failure. Often, the only time a system succeeds at fooling a listener into thinking that he or she is hearing live music is when that listener is in a completely different room! That is, an audio system sounds more "real" with the benefit of a gross filter damping one's awareness of a system's misinformation. The audio industry's fixation on pulling out and soaking up more and more information, therefore, obscures the real obstacle to ultimate believability and pure pleasure: added misinformation.

To Bill, the difference between good and bad hi-fi is how long it takes before the inevitable onset of fatigue brought on by that misinformation. Accordingly, Bill searches for the design elements that minimize distortion, avoiding those that merely add misinformation. The particulars of those elements have evolved and, in the future, will continue to evolve. The future will see better materials, machinery, and production processes. We will develop a deeper understanding of previous and current design techniques. And, as with the evolutionary model, Bill Low and AudioQuest look forward to encountering the successful results of many happy experiments—playfully taking safety pins to LP grooves and rejoicing in the sudden miracle of music.

Incremental Progress & The Ability to Inspire

More than 30 years later, the evolution continues. Today, AudioQuest is a premier provider of high-performance audio and video cables and accessories. AudioQuest is an entertainment business, a recreation business, a business that, like its founder, is devoted to pleasure. Regardless of how music lovers, audiophiles, engineers, and all general consumers decide to connect to their music and media, AudioQuest develops and delivers beautiful, durable, reliable products that represent both extraordinary value and exceptional performance.

In the dynamic, fast-paced world of consumer electronics, the inputs and outputs of our audio/video components and mobile devices may forever alter shape and size, but one thing remains constant: AudioQuest fills the holes, makes the connections, bridges the gaps between enthusiasts and their favorite artists, music, and movies by always working toward lower and lower distortion, forming deeper and deeper bonds—never merely innovating for innovation's sake, but always developing products that its customers want to buy, the products that Bill Low himself would want to buy, products that are worthy of our belief.

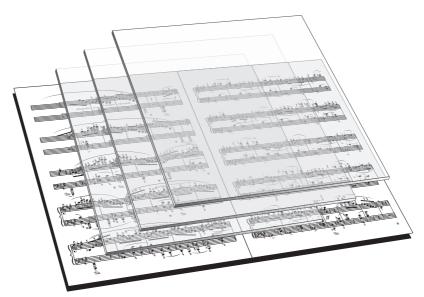
Obviously, it's also very important to sell profitable products. However, Bill maintains that it is best to achieve a purposeful balance between margin and the many other values that work toward making a sale of the highest possible value. Among uncountable contributing factors, these values include: precision manufacturing, packaging, distribution, customer support, and perhaps most important, the product's ability to inspire.

Indeed, AudioQuest's enduring success is marked by a freedom to explore new approaches, a ceaseless drive to improve, and the singular vision of its founder. Whether we're discussing a Bridges & Falls analog interconnect; Diamond Optical, USB, HDMI, or Ethernet digital cable; a Type 4 or WEL Signature loudspeaker cable; an NRG power cord; the best-selling, industry-altering DragonFly USB DAC-headphone amplifier; or any of AudioQuest's future line of headphones, power products, and high-performance mobile DACs, Bill Low's thirst for truth, pleasure, and total sonic immersion is evident.

Bill Low believes that everything matters. There is no single right or wrong way to build a business, but it is totally wrong to not make conscious decisions about every variable that affects a business.

AudioQuest's ideals appeal to music lovers with Bill's curiosity and passion for life, as well as those who share his neverending desire for lower distortion and better sound. We look forward to a bright and exciting future—a future marked by truly innovative design, long-lasting relationships, and everdeeper immersion in the music. The evolution continues. The quest continues. The need for progress never ends.

Do No Harm



The Four Elements

Great sound and great pictures, music that consumes you, movies that transport you around the universe ... all come from honoring the original signal. The signal is at its greatest potential ... is least damaged ... at the source. It's an unavoidable fact that every component and cable in an audio/video system causes distortion, robbing the sound or the picture of some portion of its ability to inspire and to entertain. These aberrations add up like layers of dirty glass between you and an image you are trying to see. Better cables and components cannot improve the signals they carry ... performance can only be improved by causing less distortion of the original signal.

The goal of high-quality components is to be like cleaner panes of glass ... to minimize alteration or distortion of the signal. *Do No Harm!*

The foundation on which AudioQuest's cables are built comprises the following four fundamental "elements" of design and manufacture. Another way to think of this is that these elements comprise the basic "recipe" for all cables. The choices the cable designer makes in selecting and balancing these materials and construction techniques determine the cable's ability to reduce distortion and noise and deliver high performance. An off-the-shelf cake mix, for example, might produce an edible product, but that's unlikely to match the efforts of an educated pastry chef who handpicks the finest, freshest local ingredients.



Solid Conductors

Strand interaction is the single greatest cause of distortion in cable. Semi-Solid Concentric Packed Conductors avoid many strand-interaction distortion mechanisms. Solid-core conductors are the complete solution to this problem.



Metal

Conductor metal quality is critical for the best cable performance. The conductor surface is the only area of the conductor with 100% current density at all frequencies. Smoothness of the conductor surface is paramount because the surface is a guide-rail for the entire energy envelope. The best copper and silver conductor metals have fewer grain boundaries and low oxygen content for low distortion and high performance.



Geometry

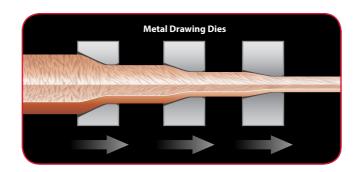
Geometry is the physical relationship of the conductors to one another within a cable. This determines the basic electrical characteristics of the cable. Different cable applications have different and specialized geometry requirements. Better geometry reduces distortion.



Dielectric (Insulation)

Insulation is necessary to keep the positive and negative conductors separate and to give stability to cable geometry. Insulation is also a "dielectric" because it is inside the conductor's magnetic field. Dielectrics absorb energy, which after a delay is then released in the signal, causing smearing and distortion. Better insulation reduces distortion by absorbing less energy.

Directionality: It's All About Noise



If you've ever wondered about the arrows on AudioQuest cables, read any of our educational materials, or merely followed any of the online chatter regarding our products, perhaps you've wondered what this "directionality" thing is all about. Maybe you've even made the incorrect assumption that it's the analog or digital signal that's directional.

There is the widely accepted version of directionality: In most audio-grade shielded interconnects, as compared to standard coax, negative has its own internal conductor and the metal shield is attached to ground at only one end, thus defining the cable's directionality. Many cable manufacturers end their exploration of directionality there, going only as far as to mark their cables for directionality based on the relationship of shield to ground, but altogether neglecting conductor directionality. Because we believe in directing noise to where it can do the least harm, we, too, believe in the advantages of controlling for the attachment of the shield. In fact, long before we controlled for conductor directionality, AudioQuest interconnects were also controlled for direction based on the relationship of shield to ground.

Over the years, our understanding of conductor directionality and its effect on audio performance has steadily evolved, growing stronger and more complete. While we've always been keenly aware that directionality plays a significant role in the overall sound of any hi-fi system, we couldn't completely explain it. This was okay: We trust our own ears and encourage listeners to do the same. The test is easy enough: Simply listen, then reverse the direction of the cable, and listen again.

In one direction, music will sound relatively flat and a little grainy, as though being forced through a screen door. In the opposite direction, the obstruction is removed and music will be communicated with a natural ease, depth, and an open invitation to pleasure. When presented with a cable whose conductors have been controlled for the correct low-noise directionality, a listener feels a sense of comfort and relief: Ahh...Music!

But the definitive empirical evidence of directionality demands seeking a scientific explanation. What is the technical explanation for directionality?

In order to fabricate copper or silver into a strand or conductor, it must first be cast and then drawn through a die—a process that inevitably creates a directional, chevron-like pattern in the conductor's internal grain structure and a non-symmetrical overlay of grains at the conductor's surface.

While most are either unaware of conductor directionality or have chosen to ignore it, we have learned to use conductor directionality to our advantage.

A conductor's asymmetrical surface structure causes a directional difference in impedance at noise frequencies and very high interference frequencies. Due to skin-effect, such high-frequency energy travels almost exclusively on the surface of a conductor, giving significance to the directional difference in impedance at these frequencies. Because all energy will always take the path of least resistance, when a cable is oriented so that the high-frequency noise—whether from a computer, radio station, cell tower, etc.—is "directed" to ground, or to the end of the cable attached to less vulnerable equipment, the dynamic intermodulation and associated ringing generated in the active electronics will be greatly reduced.

Our efforts toward the proper dissipation of noise are not limited to our analog and digital cables, but extend to other AudioQuest products, as well—most recently evidenced in our Niagara 1000 and 7000 Low-Z Power Noise-Dissipation Systems, in which every single link in the conducting path has been properly controlled for low-noise directionality.

As always, the proof is in the listening.

The unpleasant, strained sound that occurs when conductors have the wrong orientation is the result of noise entering and causing misbehavior and intermodulation in an active circuit. The more relaxed, full-bodied sound of correctly oriented conductors is the product of less high-frequency interference—conductor directionality fully acknowledged and put to its best use!

Making Connections

At AudioQuest, we refuse to limit ourselves to conventional methods of design and manufacturing. As audiophiles and music lovers, we know that "good enough" is never really good enough and that there is always room for improvement. If it means that we can deliver a higher-quality product, we will always be far happier to innovate, spending our days and nights tinkering and tweaking, developing new parts, machines, and tools, and discovering new solutions to challenging problems. The only time we pick a part out of a catalog is when we can't find a way to do it better ourselves. (The extraordinary Telegärtner RJ45 connector used on our RJ/E Vodka and RJ/E Diamond cables is one fine example.) Whenever possible, we specify our materials and design our own connectors at AudioQuest, so that our cables reach their full potential and you get the long-lasting quality and exceptional performance you deserve.

Connectors

To provide the best possible performance for each application, AudioQuest designs each of its connectors from the ground up. These components are absolutely crucial to the overall performance of a cable, and AudioQuest is not beholden to "off-the-shelf" OEM parts. Painstaking care is taken to evaluate the highest quality materials and design for every application. In addition, rather than using the customary phosphor-bronze or copper alloys (which are much harder metals and therefore easier to machine), AudioQuest pushes the art by using two grades of pure copper—Pure Purple Copper and even higher-purity Pure Red Copper—as the base material in many of our RCA, XLR, and 3.5mm Mini connectors. These pure coppers are softer and therefore more difficult to machine, but the sonic results are more than worth the added effort.

Direct-Plating Process

AudioQuest pays special attention to the plating it uses over its connectors' carefully crafted base metals. Whenever possible, gold connectors are plated directly over the copper, with no sonically destructive intermediate layer of nickel or alloy. All silver-plated connectors are Direct-Silver plated.

For years, the standard for "quality" in the cable industry has been very shiny gold plugs on both speaker cable and interconnect plugs. The advantages of gold, however, are primarily cosmetic: In no way does it improve the performance of the product. The jewel-like shine to plugs is most often achieved by using intermediary layers of nickel, which only diminishes the quality of the termination. At AudioQuest, performance is not compromised for an "eye-candy" appearance.

AudioQuest's latest designs feature plugs that are directly plated using a process known as Hanging Silver. Rather than using conventional drum-tumbler plating, this labor-intensive process requires that each plug is attached to a hanger and "hung" in a pure-silver bath. Not only does this provide a very thick Direct-Silver plate with a gorgeous finish, but the exact chemistry of the plating bath and the bonding of plating to the underlying part can now be more productively controlled—something you can hear, and, over time, see. Though cleaning with a silver-cleaning cloth may eventually be necessary, Hanging-Silver is comparatively immune to tarnishing. Hanging-Gold plating, using the same process described, is also available upon request. The result is natural beauty and outstanding performance.

Cold-Weld System

Joining conductors to plugs requires every bit as much care and precision as any other aspect of cable manufacture. AudioQuest's Cold-Weld System uses several tons of pressure to make a near-perfect connection that ensures that the structural integrity of the conductor and plug is kept completely intact, all without the damaging effect of heat. Cold-Welding avoids the introduction of heat and extra materials like solder, which change the character of the wire at the point of termination. (By the way, all solder is not created equal.) Solder is by far the most common method of connection. Resistance welding is clearly superior to even the best solder. However, welding, like solder, introduces an inferior layer of dissimilar material, causing distortion and reflections. The alloy created at the interface of conductor and plug, though far superior to solder, is still an undesirable intermediary layer of material. To obtain the best, lowest-distortion cable performance, attention must be paid to the contact system, as well as the quality of conductors and plugs.

AudioQuest has incorporated Cold-Weld connection technology into most of our interconnects and all prepared speaker cables, from modestly priced cables like Evergreen interconnect to the bleeding-edge WEL (William E. Low) Signature models.

The Perfect Connection

Just as there is no such thing as a perfect cable or a perfect audio system, there is no such thing as a perfect cable connector. At AudioQuest, we are nevertheless dedicated to eliminating as many problems as possible, so that we can reach the bestpossible compromise—the solution whose benefits far outweigh any disadvantages—knowing that we will never stop working to close the gap between reality and perfection.

AudioQuest Dielectric-Bias System (DBS, US PAT # 7,126,055)

The insulation between two or more conductors is a dielectric whose properties of energy absorption and release will affect the integrity of the signal. When the dielectric is unbiased, it causes different amounts of time delay (phase shift) for different frequencies and energy levels—a major problem for very time-sensitive multi-octave audio.

By creating a highly charged capacitive field for the cable's primary dielectric, DBS assures extended bandwidth and more linearly filtered noise dissipation. This aids in eliminating the distortions and ringing that plague other cables evenafter years of use and so called "run-in time." This dramatically minimizes nonlinear time delays and reduces dielectricinduced smearing of the signal, letting sound emerge from a "black" background.

Further, the knowledge gained in the development of the AudioQuest's Niagara series of AC power products, directly spawned the radio frequency (RF) noise-dissipation system utilized for both DBS Black and DBS Carbon. Drain & Kill is what needs to happen to RF energy, and that's what all AudioQuest versions of Noise-Dissipation do. Both circuits are formed for 24 hours with technology developed by NASA and Jet Propulsion Laboratories.

What can you expect to hear? Lower noise floor, better dynamic contrast, a wider soundstage ... in short, more immersion into the music.

Black 72V DBS adds an essential Noise-Dissipation filtering device and RFI filter, thereby greatly enhancing performance.

Carbon 72V DBS takes things a step further by utilizing proprietary technology that was originally developed for use in the AudioQuest Niagara 7000, which includes a superior RFI filter, used for draining harmful Radio Frequency Interference.

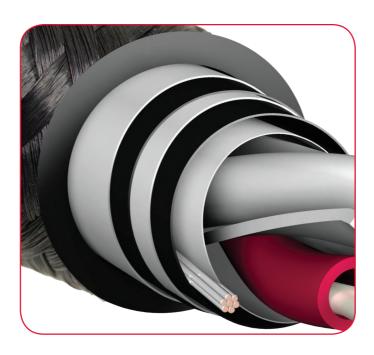
(The batteries within a DBS battery pack will last for years because there is no current draw. The batteries will eventually die due to internal leakage, as will any batteries, even if never unpackaged.)



Black 72V DBS

Carbon 72V DBS

Noise-Dissipation System (NDS)



The challenge of shielding an audio or video signal from interference transmitted through the air, usually referred to as Radio-Frequency Interference or RFI, is an old game. It's also a game that is usually easily won. Despite promotional material that uses fear tactics to influence customers' purchasing decisions and despite those customers' understandable desire to find comfort and security with one brand or another, shielding just isn't that difficult. However, almost all shielded cables absorb and then drain noise/RF energy to "component ground," modulating and distorting the critical "reference" ground plane, which, in turn, causes a form of signal modulation—a distortion of the original signal. As a result, music and dialog often sound "hashy" and inarticulate, while spatial cues and ambience are vague and poorly defined.

Because the shield is much bigger than the signal conductors, it actually picks up more RFI than the conductors them-

selves—an unfortunate irony. However, the cure doesn't necessarily have to be worse than the disease: By "shielding the shield," it is possible to achieve 100% shield coverage and to dump almost no energy on the reference ground plane.

AudioQuest's Noise-Dissipation System (NDS) uses alternating layers of metal- and carbon-loaded synthetics to "shield the shield," absorbing and reflecting most of this RF energy before it reaches the layer attached to ground. Increasing the number of metal- and carbon-loaded layers increases NDS' ability to reduce distortion. So, whether it's the Metal-Layer NDS of our new entry-level Chicago interconnect or the more advanced Carbon-Based 8-Layer NDS of our Fire interconnect, the result is clean, clear, dimensionally nuanced sound that comes from a silent black background. Music and dialog are easier to understand and appreciate, which means the overall listening experience will be far less fatiguing and far more rewarding, compelling, and fun.

Speaker Cables

Yes, There Is A Best Cable For Your Speakers

And yes, you can know for sure ... or you could if you borrowed every cable made and used it in a bypass comparison. OK, so borrowing every cable is kind of a pain, but a bypass comparison is easy, and is the only way to truly understand the "sound" of a speaker cable, or better yet, to verify its desired neutrality, its lack of character or signature. When people listen to one component in comparison with another, this almost always means comparing one version of notquite-right with another version of not-quite-right, and then choosing the character that seems most compatible.

However, true compatibility, with any one speaker or with every speaker, is achieved by using the cable that does the least damage, that gets in the way of the music as little as possible. A cable can never make the sound better, it's all a matter of damage control. The nature of what it does wrong makes all the difference in the world. In any system, a cable with a touch of soft focus, a slight neutral "gray" filter, these are the types of damage which don't get in the way of the music. In any system, perceived resolution due to upper midrange irritation, or perceived bass boost from uncontrolled mid bass at the expense of bass definition, these are never acceptable distortions.

How does one separate an attribute with short-term appeal from real quality? It's surprisingly easily! There are always multiple cables in the circuit path. There's wire and/or circuit trace inside the amplifier, there's wire inside the loudspeakers, and there's a wire between the amp and speaker. If all three of these links are treated as constants, an additional speaker cable can be added between the amp and the existing speaker cable. The result will always be more damage and reduced sound quality ... and the change will reveal the character flaws of the cable being evaluated. Whether the overall system is lean and irritating, or fat and warm, the nature of the cable being evaluated will be revealed.

But, Which Path To Take?

If it's that easy to determine a cable's absolute character, or better yet, verify a lack of character, how come AudioQuest makes a competing series of speaker cables ... shouldn't one or the other always be better or worse?

Context is everything. Driving inefficient speakers on the other side of the room is very different from driving a pair of desk-top speakers close to the amp. As a baseline, it's important to understand that all speaker cables cause sonic degradation which accumulates with length. Inductance, and its smearing of time integrity, is the primary culprit causing a more-and-more out of focus effect, though several

other distortion mechanisms are also cumulative. A low level audio interconnect cable doesn't carry power and doesn't have to manage strong magnetic fields, so we almost always recommend putting the amp as close to the speakers as possible and running a long interconnect if required. With a very few easy-to-predict exceptions (a few tube preamps, passive preamps, and low input impedance amps), interconnect sound suffers much less accumulation over length, much, much less than does speaker cable.

It's About Power

No, it's not all about resistance (impedance)! A normal 18 AWG lamp cord is rated to safely carry 10 amps, enough to kill you. Getting power to a speaker is easy. It's getting it there undistorted which is complicated. AudioQuest makes some very large speaker cables because diluting the energy and resulting magnetic fields across more metal is an effective brute-force way to reduce a number of distortion causing mechanisms. The lower impedance of such large cables does allow some amplifiers to better "control" the motion of the bass driver, though this effect is usually much smaller than the overall full-frequency range improvement resulting from causing less distortion within the cable.

If all else is equal, and the sound is just enough louder for anyone to agree, "OK, that's definitely louder," that's probably about a 3dB difference, which requires twice as much power to the speaker. When each strand or conductor has to carry twice as much power, the interaction between any 2 internal elements is exponentially greater, 4 times as great. Using a value of 1 for the lower power, the interaction is 1x1=1, but for a 3dB greater signal, it's 2x2=4. If two different speakers are 3dB more or less efficient, and the volume is the same, the formula for internal cable interaction is exactly the same.

A bigger cable with more conductors makes possible the very effective Counter-Spiral geometry of AudioQuest's Tree Series of cables. However, in the more moderate-size Audio-Quest Flat Rock Series, money that didn't go into more metal and more expensive geometry, is available to pay for higher quality metal, making it possible for Flat Rock models Comet and Meteor to truly have the openness made possible by AQ's PSS solid-silver conductors.

It's Up To You

So, it is possible to be reasonable and rational about choosing a cable which will put you closer to your music ... though there's still some room for tailoring in order to get the best possible fit for you.

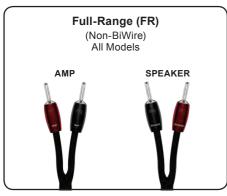
How to Order Prepared Speaker Cables

To Order: First Please Specify Type of Connector (Banana or Spade), Then the Finish of Connector (Gold or Silver).

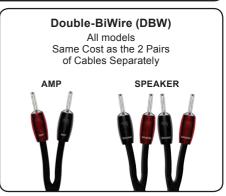
Pair Prices Shown. Also Available in Singles (i.e., For Center Channel, Subwoofer or Mono) at Half Pair Price.

	When Ordering Any Factory Terminated Speaker Cable, Please Include These Required Elements:						
Qty.	Pair or Single	Length	Model	FR, SBW, DBW or SBA	AMPLIFIER Termination	SPEAKER Termination	Gold or Silver
1	Pair	3m	Rocket 88	FR	FR 500 Series Multi-Spade to Banana		Gold
1	1 Single 1.5m Castle Rock SBA 1000 Series Multi-Spade to Banana Silver						
	Wher	Ordering 3	(or 5 or 7) Individu	ial Cables Please Order: 1	Pair + 1 Single (or 2 or 3 Pairs	s + 1 Single as Annronriate)	

Speaker Cable Terminations













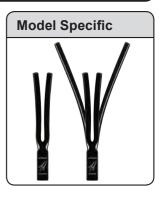
(Refer to Your Amplifier's Owner's Manual Regarding Cautions and Special Instructions)

Termination Upcharge for SBA	EU Retail
SureGrip 300 Multi-Spade or Banana for Rocket 33	39,00
500 Series Multi-Spade or Banana for Rocket 44 and Rocket 88	69,00
1000 Series Multi-Spade or Banana for Flat Rocks and Trees	199,00

Model
Type 2
Type 4
Rocket 33
Rocket 44
Rocket 88
EU Retail

Model Specific				
Full-Range	Single-BiWire			
Part Number:	Part Number:			
68-095-01	N/A			
68-096-01	N/A			
68-100-01	68-100-21			
68-101-01	68-101-21			
68-102-01	68-102-21			
13.50/Set of 4	13.50/Set of 4			

Termination "Pants" for Speaker Cables



Prepared Speaker Cables: Star-Quad Series







Metal	Solid Long-Grain Copper (LGC)	Solid Perfect-Surface Copper+ (PSC+)		
Gauge	15 AWG (1,65mm²)			
Geometry	Star-Quad			
Dielectric	Foamed-Polyethylene (Fo	Foamed-Polyethylene (For All Positive Conductors)		
Noise-Dissipation System	Carbon-Based Noise- and Crosstalk-Dissipation System			
Jacket	Black/Blue Braid or PVC. Please Specify. Black/Brown Braid or PVC. Please Specify.			
Termination Options	Full-Range, Double-BiWire,* and REL			
Standard Plug	Choice of SureGrip 300 Multi-Spade or BFA/Banana (Gold or Silver)	Choice of 500 Series Multi-Spade or Banana (Gold or Silver)		

*Upcharge applies. Please see page 14.

Length	EU Retail
1.0m pair	209.00
1.5m pair	229.00
2.0m pair	249.00
2.5m pair	269.00
3.0m pair	289.00
3.5m pair	309.00
4.0m pair	329.00
4.5m pair	349.00
5.0m pair	369.00
6.0m pair	409.00
7.0m pair	449.00
8.0m pair	489.00
9.0m pair	529.00
10.0m pair	569.00
11.0m pair	609.00
12.0m pair	649.00
13.0m pair	689.00
14.0m pair	729.00
15.0m pair	769.00
16.0m pair	809.00
17.0m pair	849.00
18.0m pair	889.00
19.0m pair	929.00
For Lengths Over 19.0m, Use Formula:	40.00/m + 169.00

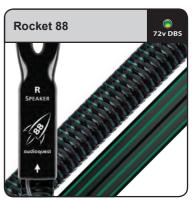
EU Retail
489.00
544.00
599.00
654.00
709.00
764.00
819.00
874.00
929.00
1,039.00
1,149.00
1,259.00
1,369.00
1,479.00
1,589.00
1,699.00
1,809.00
1,919.00
2,029.00
2,139.00
2,249.00
2,359.00
2,469.00
110.00/m + 379.00

Prepared Speaker Cables: Rocket Series









Metal	Solid PSC / LGC	Solid PSC+ / PSC	Solid Perfect-Surface Copper+ (PSC+)	
Gauge	14 AWG (2,08mm²)	13 AWG (2,63mm²)		
Geometry	Double Star-Quad			
Dielectric Foamed-Polyethylen		med-Polyethylene (For All Positive Cond	Polyethylene (For All Positive Conductors)	
Noise-Dissipation System	Carbon-Based Noise- and Crosstalk-Dissipation System			
Jacket Black/Red Braid or PVC Black/Si		Black/Silver Braid or PVC	Black/Green Braid or PVC	
Termination Options Full-Range, Single-BiWire, Double-BiWire,* Single-BiAmp,* REL and Naim Audio		REL and Naim Audio		
Standard Plug	Choice of SureGrip 300 Multi-Spade or BFA/Banana (Gold or Silver)	Choice of 500 Series Multi-Spade or Banana (Gold or Silver)		

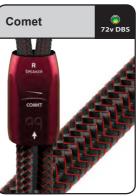
*Upcharge applies. Please see page 14.

Length	EU Retail	EU Retail	EU Retail
1.0m pair	259.00	389.00	709.00
1.5m pair	294.00	459.00	814.00
2.0m pair	329.00	529.00	919.00
2.5m pair	364.00	599.00	1,024.00
3.0m pair	399.00	669.00	1,129.00
3.5m pair	434.00	739.00	1,234.00
4.0m pair	469.00	809.00	1,339.00
4.5m pair	504.00	879.00	1,444.00
5.0m pair	539.00	949.00	1,549.00
6.0m pair	609.00	1,089.00	1,759.00
7.0m pair	679.00	1,229.00	1,969.00
8.0m pair	749.00	1,369.00	2,179.00
9.0m pair	819.00	1,509.00	2,389.00
10.0m pair	889.00	1,649.00	2,599.00
11.0m pair	959.00	1,789.00	2,809.00
12.0m pair	1,029.00	1,929.00	3,019.00
13.0m pair	1,099.00	2,069.00	3,229.00
14.0m pair	1,169.00	2,209.00	3,439.00
15.0m pair	1,239.00	2,349.00	3,649.00
16.0m pair	1,309.00	2,489.00	3,859.00
17.0m pair	1,379.00	2,629.00	4,069.00
18.0m pair	1,449.00	2,769.00	4,279.00
19.0m pair	1,519.00	2,909.00	4,489.00
For Lengths Over 19,0m, Use Formula:	70.00/m + 189.00	140.00/m + 249.00	210.00/m + 499.00

Prepared Speaker Cables: Flat Rock Series











	0 11 1 2 4 4 0 4 0	0 1110 00010 000	0 1111	0 11 1 2 1 2 1 2 1	
Metal	Solid Perfect-Surface Copper+	Solid 2 x PSS / 6 x PSC+	Solid 4 x PSS / 4 x PSC+	Solid Perfect-Surface Silver	
Gauge	12 AWG (3,31mm²)				
Geometry Double Star-Quad					
Dielectric	Foamed-Polyethylene (For All Positive Conductors)				
Noise-Dissipation System	Multi-Layer Carbon-Based Noise- and Crosstalk-Dissipation System			า	
Jacket	Black/Brown Braid	Black/Red Braid	Black/Dark Gray Braid	Black/Silver Braid	
Termination Options Full-Range, Single-BiWire, Double-BiWire,* Single-BiAmp,* REL and Naim Audio		Audio			
Standard Plug	Choice of 1000 Series Multi-Spade or Banana (Silver Only)				

*Upcharge applies. Please see page 14.

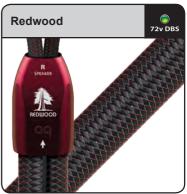
Length	EU Retail	EU Retail	EU Retail	EU Retail
1.0m pair	1,150.00	2,150.00	3,500.00	8,800.00
1.5m pair	1,325.00	2,825.00	4,850.00	12,800.00
2.0m pair	1,500.00	3,500.00	6,200.00	16,800.00
2.5m pair	1,675.00	4,175.00	7,550.00	20,800.00
3.0m pair	1,850.00	4,850.00	8,900.00	24,800.00
3.5m pair	2,025.00	5,525.00	10,250.00	28,800.00
4.0m pair	2,200.00	6,200.00	11,600.00	32,800.00
4.5m pair	2,375.00	6,875.00	12,950.00	36,800.00
5.0m pair	2,550.00	7,550.00	14,300.00	40,800.00
6.0m pair	2,900.00	8,900.00	17,000.00	48,800.00
7.0m pair	3,250.00	10,250.00	19,700.00	56,800.00
8.0m pair	3,600.00	11,600.00	22,400.00	64,800.00
9.0m pair	3,950.00	12,950.00	25,100.00	72,800.00
10.0m pair	4,300.00	14,300.00	27,800.00	80,800.00
11.0m pair	4,650.00	15,650.00	30,500.00	88,800.00
12.0m pair	5,000.00	17,000.00	33,200.00	96,800.00
13.0m pair	5,350.00	18,350.00	35,900.00	104,800.00
14.0m pair	5,700.00	19,700.00	38,600.00	112,800.00
15.0m pair	6,050.00	21,050.00	41,300.00	120,800.00
16.0m pair	6,400.00	22,400.00	44,000.00	128,800.00
17.0m pair	6,750.00	23,750.00	46,700.00	136,800.00
18.0m pair	7,100.00	25,100.00	49,400.00	144,800.00
19.0m pair	7,450.00	26,450.00	52,100.00	152,800.00
For Lengths Over 19,0m, Use Formula:	350.00/m + 800.00	1,350.00/m + 800.00	2,700.00/m + 800.00	8,000.00/m + 800.00

Prepared Speaker Cables: Tree Series









Metal	Solid PSC+ / PSC	Solid PSC+	Solid 6 x PSS / 10 x PSC+
Gauge	9 AWG (6,63mm²)		
Geometry	Double Counter-Spiral		
Dielectric	Foamed-Polyethylene (For All Positive Conductors)		
Noise-Dissipation System	Multi-Layer Carbon-Based Noise- and Crosstalk-Dissipation System		
Jacket	Black/Green Braid	Black/Brown Braid	Black/Dark Red Braid
Termination Options	Full-Range, Single-BiWire, Double-BiWire,* Single-BiAmp,* REL and Naim Audio		
Standard Plug	Choice	of 1000 Series Multi-Spade or Banana (Silver	Only)

*Upcharge applies. Please see page 14.

Length
1.0m pair
1.5m pair
2.0m pair
2.5m pair
3.0m pair
3.5m pair
4.0m pair
4.5m pair
5.0m pair
6.0m pair
7.0m pair
8.0m pair
9.0m pair
10.0m pair
11.0m pair
12.0m pair
13.0m pair
14.0m pair
For Lengths Over 14,0m, Use Formula:

EU Retail
1,480.00
1,770.00
2,060.00
2,350.00
2,640.00
2,930.00
3,220.00
3,510.00
3,800.00
4,380.00
4,960.00
5,540.00
6,120.00
6,700.00
7,280.00
7,860.00
8,440.00
9,020.00
580.00/m + 900.00

1,910.00
2,415.00
2,920.00
3,425.00
3,930.00
4,435.00
4,940.00
5,445.00
5,950.00
6,960.00
7,970.00
8,980.00
9,990.00
11,000.00
12,010.00
13,020.00
14,030.00
15,040.00
1,010.00/m + 900.00

EU Retail

EU Retail
4,900.00
6,900.00
8,900.00
10,900.00
12,900.00
14,900.00
16,900.00
18,900.00
20,900.00
24,900.00
28,900.00
32,900.00
36,900.00
40,900.00
44,900.00
48,900.00
52,900.00
56,900.00
4,000.00/m + 900.00

Prepared Speaker Cables: Tree Series + Q2









Metal	Solid 12 x PSS / 4 x PSC+	Solid PSS Silver	Solid+ Concentric Long-Grain Copper
Gauge	9 AWG (6,63mm²)		15 AWG (1.65mm²)
Geometry	Double Counter-Spiral		Low-Inductance Twisted-Pair
Dielectric	Foamed-Polyethylene (For All Positive Conductors)		N/A
Noise-Dissipation System	Multi-Layer Carbon-Based Noise- and Crosstalk-Dissipation System		N/A
Jacket	Navy Blue Braid	Black Braid	Black PVC
Termination Options	Full-Range, Single-BiWire, Double-BiWire,* Single-BiAmp,* REL and Naim Audio		N/A
Standard Plug	Choice of 1000 Series Multi-Spade or Banana (Silver Only)		SureGrip 100 BFA/Banana Silver

*Upcharge applies. Please see page 14.

Length
1.0m pair
1.5m pair
2.0m pair
2.5m pair
3.0m pair
3.5m pair
4.0m pair
4.5m pair
5.0m pair
6.0m pair
7.0m pair
8.0m pair
9.0m pair
10.0m pair
11.0m pair
12.0m pair
13.0m pair
14.0m pair
For Lengths Over 14,0m, Use Formula:

E	U Retail
8	,850.00
12	2,825.00
16	6,800.00
20	0,775.00
24	4,750.00
28	8,725.00
32	2,700.00
3(6,675.00
40	0,650.00
48	8,600.00
50	6,550.00
64	4,500.00
72	2,450.00
80	0,400.00
88	8,350.00
90	6,300.00
10	4,250.00
11	2,200.00
	50.00/m + 900.00

E	EU Retail
1	4,600.00
2	1,450.00
2	8,300.00
3	5,150.00
4	2,000.00
4	8,850.00
5	5,700.00
6	2,550.00
6	9,400.00
8	3,100.00
9	6,800.00
11	10,500.00
12	24,200.00
10	37,900.00
15	51,600.00
16	55,300.00
17	79,000.00
19	92,700.00
13,	700.00/m + 900.00

Length	EU Retail
3.0m pair	175.00

Unterminated Speaker Cables on Spools

CL3/FT4 Rated & Braided Rocket Series Speaker Cables On Spools







Metal	Semi-Solid True-Concentric LGC	Semi-Solid True-Concentric PSC / LGC	Solid PSC / LGC
Gauge	16 AWG (1,31mm²)		14 AWG (2,08mm²)
Geometry	Double-Spiral		Double Star-Quad
Dielectric	PVC		Foamed-Polyethylene (For All Positive Conductors)
Noise-Dissipation System	No		Carbon-Based Noise- and Crosstalk-Dissipation System
Jacket	CL3 PVC Please Specify: Black or White/Gray Stripes	CL3 PVC Please Specify: Black or White/Blue Stripes	Please Specify – Braid: Black/Red or CL3 PVC: Black/Red Stripes
Single-BiWire Capable	Yes		
Foot Markers	Sequentially Numbered 1-30, 1-164 or 1-328 ft. (Showing How Many Feet Remaining)		

EU Retail	15.00/m	25.00/m	35.00/m
Spool Size	50m or 100m	50m or 100m	50m or 100m





Metal	Solid PSC+ / PSC	Solid Perfect-Surface Copper+ (PSC+)	
Gauge	13 AWG (2,63mm²)		
Geometry	Double Star-Quad		
Dielectric	Foamed-Polyethylene (For All Positive Conductors)		
Noise-Dissipation System	Carbon-Based Noise- and Crosstalk-Dissipation System		
Jacket	Please Specify – Braid: Black/Silver or CL3 PVC: Matte Black/Shiny Black Stripes	Please Specify – Braid: Black/Green or CL3 PVC: Black/Green Stripes	
Single-BiWire Capable	Yes		
Foot Markers	Sequentially Numbered 1-164 or 1-328 ft. (Showing How Many Feet Remaining)		

EU Retail	70.00/m	105.00/m	
Spool Size	50m	50m	

Unterminated Speaker Cables on Spools

CL3/FT4 Rated & Braided Speaker Cables On Spools





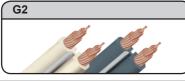


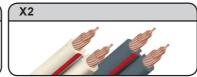
Metal	Solid Long-Gra	Solid PSC+		
Gauge	16 AWG (1,31mm²)	1,65mm²)		
Geometry	Star-Quad			
Dielectric	Foamed-Polyethylene (For All Positive Conductors)			
Noise-Dissipation System	No	Carbon-Based Noise- and Crosstalk-Dissipation System Please Specify – Braid: Black/Blue or CL3 PVC: Black/Blue Stripes or Off-White CL3 PVC: Black/Brown Stripes		
Jacket	Please Specify – CL3 PVC: Dark Gray or Off-White			
Single-BiWire Capable	No Sequentially Numbered 1-164 or 1-328 ft. (Showing How Many Feet Remaining)			
Foot Markers				

EU Retail	12.50/m 20.00/m		55.00/m
Spool Size	100m	100m	50m

Unterminated Speaker Cables: Packaged and on Spools

See page 62 for additional spools.







Metal	Semi-Solid Concentric Pa	Semi-Solid Concentric Packed Long-Grain Copper			
Gauge	16 AWG (1,31mm²)	16 AWG (1,31mm²) 14 AWG (2,08mm²)			
Jacket	Please Specify – Dark Gray PVC & Off-White PVC		Please Specify – Black PVC or White PVC		

	9,0m (30 ft.) Uncut in a Box				
EU Retail	42.50	65.00	N/A		
EU Retail	72.50	105.00	N/A		
		30,0m (100 ft.) Uncut in a Box			
EU Retail	137.50	205.00	N/A		
	100,0m (328 ft.) Bulk Spools				
EU Retail	4.00/m	6.00/m	8.00/m		

Analog-Audio Interconnect Cables

Climbing the Ladder

Climbing the ladder of AudioQuest interconnect cables leads to better and better performance, thanks to less and less interference from the cable. This is made possible by the use of superior materials and the implementation of increasingly more sophisticated construction techniques, such as: the progression from Long-Grain Copper to solid Perfect-Surface Silver, from Foamed-PE insulation to FEP Air-Tubes, from Metal-Layer Noise-Dissipation System to multi-layer Carbon-Based NDS, from low-distortion Gold-Plated terminations to extreme-purity Red Copper plugs with Hanging-Silver plating, and more.

Despite their differences, our Bridges & Falls, Rivers, and Elements audio interconnects are all closely related. Chicago is a bigger, better version of Evergreen, but PSC copper–based Golden Gate is clearly better. Red River is a Triple-Balanced bigger, better version of Golden Gate, but doesn't offer the further advantages of Big Sur—and so it goes, on up to Wind.

The reason for the two sides of the ladder is simple: The Double-Balanced Bridges & Falls cables can be fitted with a choice of RCA plugs, 3,5mm mini-plug, 3.5mm female, or DIN plugs (usually for Naim electronics). The Triple-Balanced (except Chicago) Rivers & Elements cables can be fitted with RCA or balanced XLR plugs.

The Triple-Balanced progression continues upward through top Element Series cable Fire—a remarkable cable fully deserving its nickname "WEL Jr.," as it uses all the same materials and construction techniques as the Wild and WEL models, at a smaller scale.

Start at the bottom, where the AQ value system is already 100% evident, or climb as high as you like. Keep climbing until the incremental cost of the higher model is no longer the least expensive way to make the most improvement—but beware, you might find yourself at the top of the ladder or beyond before reaching that point!

How to Order Analog-Audio Interconnect Cables

Whei	When Ordering Any Factory Terminated Interconnect Cable, Please Include These Required Elements:							
	Qty.	Pair or Single	Length	Model	Termination: Source End		Termination: Destination End	
Example	1	Pair	3.0m	Water	XLR	to	XLR	
	1	Single	4.5m	Red River	RCA	to	RCA	

When Ordering 3 (or 5 or More) Individual Cables Which Are Usually Sold in Pairs, Please Order:
1 Pair + 1 Single (or 2 Pairs + 1 Single, as Appropriate)

How to Order Analog-Audio Interconnect Cables - Bridges & Falls

When Ordering Any Factory Terminated Interconnect Cable, Please Include These Required Elements: Output Outp

Big Sur

Choice of Applications:				
3,5mm Male Mini ↔ 3,5mm Male Mini	3,5mm Female Mini ↔ 3,5mm Male Mini ⁽¹⁾	3,5mm Male Mini ↔ 2 x RCA	5 Pin DIN ↔ 5 Pin DIN ⁽²⁾	2 x RCA ↔ 2 x RCA
The state of the s				

(1) 3.5mm female only available in certain models and certain lengths, please see the grid, (2) other DIN and Naim Audio configurations available.

RCA

Pair

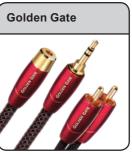
3.0m

Analog-Audio Interconnect Cables – Bridges & Falls











Metal	Solid Long-Grai	in Copper (LGC)	Solid Perfect-Surface Copper (PSC)	Solid Perfect-Surface Copper+ (PSC+)	
Geometry	Asymmetrical Double-Balanced (Lower Impedance on Ground, Same Quality + & - Conductors)				
Dielectric	Foamed-Polyethylene				
Noise-Dissipation System	Metal-Layer Noise-Dissipation System (NDS)				
Jacket	Black/White Stripe PVC	Black/White Stripe PVC Black/Green Braid		Black/Brown Braid	
Terminations	Cold-Welded, Gold-Plated Cold-Welded, Gold-Plated Pure Purple Coppe				
Custom Leg-Length Option	No				
3,5mm Mini M* ↔ 3,5mm Mini M*	Yes				

3,5mm Mini M* ↔ 3,5mm Mini M*	Yes			
3,5mm Mini M* ↔ 3,5mm Mini F*	Yes, 3m & 5m Only	No	Yes, 2m & 5m Only	No
3,5mm Mini M* ↔ RCAs	Yes			
DIN ↔ DIN ⁽²⁾	No			Yes
RCAs ↔ RCAs	Yes			

Length	EU Retail	EU Retail	EU Retail	EU Retail
0.6m	25.00	35.00	69.00	109.00
1.0m	27.50	39.00	75.00	119.00
1.5m	30.00	43.00	79.00	139.00
2.0m	32.50	46.00	89.00	149.00
3.0m	39.00	54.00	99.00	189.00
5.0m	49.00	69.00	119.00	249.00
8.0m	69.00	89.00	149.00	349.00
12.0m	89.00	125.00	199.00	479.00
16.0m	109.00	155.00	239.00	619.00
20.0m	129.00	185.00	279.00	749.00

^{*} M = Male; F = Female

Choice of Applications:					
	3,5mm Male Mini ↔ 3,5mm Male Mini	3,5mm Female Mini ↔ 3,5mm Male Mini ⁽¹⁾	3,5mm Male Mini ↔ 2 x RCA	5 Pin DIN ↔ 5 Pin DIN ⁽²⁾	2 x RCA ↔ 2 x RCA
				7 7 7 7 12	

^{(1) 3.5}mm female only available in certain models and certain lengths, please see the grid, (2) other DIN and Naim Audio configurations available.

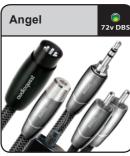
Analog-Audio Interconnect Cables – Bridges & Falls











Metal	S	Solid Perfect-Surface Silver (PSS)			
Geometry	Asymmetrical Double-Balanced (Lower Impedance on Ground, Same Quality + & - Conductors)				
Dielectric	Polyethyler	Polyethylene Air-Tubes FEP Air-Tubes (FEP is			
Noise-Dissipation System	Carbon-Based 3-Layer Noise-Dissipation System (NDS)				
Jacket	Black/Dark Gray Braid	Black/Blue Braid	Black/Green Braid	Black/Silver Braid	
Terminations	Cold-Welded, Direct-Silver Plated Pure Purple Copper	Cold-Welded, Direct-Silver Plated Pure Red Copper			
Custom Leg-Length Option	No	Yes. If needed, specify leg-length with order (as measured from the breakout to the back of the RCA)			

3,5mm Mini M* ↔ 3,5mm Mini M*	Yes				
3,5mm Mini M* ↔ 3,5mm Mini F*	No Yes, 2m & 5m Only Yes				
3,5mm Mini M* ↔ RCAs	Yes				
DIN ↔ DIN ⁽²⁾	Yes				
RCAs ↔ RCAs	Yes				

Length	EU Retail	EU Retail	EU Retail	EU Retail
0.6m	169.00	279.00	569.00	899.00
1.0m	199.00	325.00	649.00	1,079.00
1.5m	229.00	379.00	765.00	1,299.00
2.0m	259.00	435.00	875.00	1,519.00
3.0m	329.00	545.00	1,095.00	1,959.00
5.0m	459.00	765.00	1,535.00	2,839.00
8.0m	659.00	1,095.00	2,195.00	4,159.00
12.0m	899.00	1,535.00	3,075.00	5,919.00
16.0m	1,199.00	1,975.00	3,955.00	7,679.00
20.0m	1,449.00	2,415.00	4,835.00	9,439.00
For Other Lengths, Use Formula:	N/A	110.00/m + 215.00	220.00/m + 435.00	440.00/m + 639.00

* M = Male; F = Female

Choice of Applications:						
3,5mm Male Mini ↔ 3,5mm Male Mini	3,5mm Female Mini ↔ 3,5mm Male Mini ⁽¹⁾	5 Pin DIN ↔ 5 Pin DIN ⁽²⁾	2 x RCA ↔ 2 x RCA			

^{(1) 3.5}mm female only available in certain models and certain lengths, please see the grid, (2) other DIN and Naim Audio configurations available.

How to Order Analog-Audio Interconnect Cables

When Ordering Any Factory Terminated Interconnect Cable, Please Include These Required Elements:

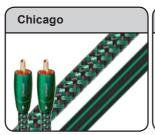
	Qty.	Pair or Single	Length	Model	Termination: Source End		Termination: Destination End
Example	1	Pair	3.0m	Water	XLR	to	XLR
	1	Single	4.5m	Red River	RCA	to	RCA

When Ordering 3 (or 5 or More) Individual Cables Which Are Usually Sold In Pairs, Please Order: 1 Pair + 1 Single (or 2 Pairs + 1 Single, as Appropriate)

Analog-Audio Interconnect Cables

Pair Prices Shown. Also Available as Singles (Such as for Center Channel or Subwoofer) at 50% of Pair Price.











Metal	Solid Long-Grain Copper	Solid Perfect-Surface Copper (PSC)	Solid Perfect-Surface Copper+ (PSC+)	
Geometry	Double-Balanced	Triple-Balanced (Separate Ground-Reference Conductor)		
Dielectric	Hard-Cell Foam Polyethylene Air-Tube			Polyethylene Air-Tubes
Noise-Dissipation System	Metal-Layer Noise-Dissipation System (NDS)		Carbon-Based 3-Layer Noise-Dissipation System	
Jacket	Black/Green Braid or CL3/FT4 PVC Bulk Cable and Plugs Also Available, See page 61.	Black/Red Braid or CL3/FT4 PVC Bulk Cable and Plugs Also Available, See page 61.	Black/Brown Braid or CL3/FT4 PVC Bulk Cable and Plugs Also Available, See page 61.	Black/Dark Gray Braid
Terminations	Cold-Welded	, Gold-Plated	Cold-Welded, Hanging-Silver d	irectly over pure Purple Copper

	RCA	RCA or XLR	RCA or XLR	RCA or XLR
Length	EU Retail	EU Retail	EU Retail	EU Retail
0.5m pair	80.00	129.00	189.00	319.00
0.75m pair	82.50	134.00	199.00	339.00
1.0m pair	85.00	139.00	209.00	369.00
1.5m pair	90.00	149.00	229.00	429.00
2.0m pair	95.00	159.00	249.00	479.00
3.0m pair	105.00	179.00	289.00	589.00
4.0m pair	115.00	199.00	329.00	699.00
4.5m pair	120.00	209.00	349.00	754.00
5.0m pair	125.00	219.00	369.00	809.00
6.0m pair	135.00	239.00	409.00	919.00
7.0m pair	145.00	259.00	449.00	1,029.00
7.5m pair	150.00	269.00	469.00	1,084.00
8.0m pair	155.00	279.00	489.00	1,139.00
9.0m pair	165.00	299.00	529.00	1,249.00
10.0m pair	175.00	319.00	569.00	1,359.00
For Other Lengths, Use Formula:	10.00/m + 75.00	20.00/m + 119.00	40.00/m + 169.00	110.00/m + 259.00

Analog-Audio Interconnect Cables

Pair Prices Shown. Also Available as Singles (Such as for Center Channel or Subwoofer) at 50% of Pair Price.









Metal	Solid Perfect-Surface	Solid Perfect-Surface Silver (PSS)			
Geometry	Triple-Balanced (Separate Ground-Reference Conductor)				
Dielectric	Polyethylene Air-Tubes FEP Air-Tubes (FEP is a Fluoro-Polymer)				
Noise-Dissipation System	Carbon-Based 6-Layer Noise-Dissipation System (NDS)				
Jacket	Black/Blue Braid Black/Green Braid Black/Silver Braid				
Terminations	Cold-Welded, Hanging-Silver Plating directly over High-Purity Red Copper Plugs				

Length	
0.5m pair	
0.75m pair	
1.0m pair	
1.5m pair	
2.0m pair	
3.0m pair	
5.0m pair	
For Other Lengths, Use Formula:	

EU Retail	
499.00	
539.00	
579.00	
659.00	
739.00	
899.00	
1,219.00	
160.00/m +	
419.00)

EU Retail
859.00
954.00
1,049.00
1,239.00
1,429.00
1,809.00
2,569.00
380.00/m + 669.00

EU Retail	
1,650.00	
1,925.00	
2,200.00	
2,750.00	
3,300.00	
4,400.00	
6,600.00	
1,100.00/m + 1,100.00	
(1,100.00	









Metal	Solid Perfect-Surface Silver (PSS)				
Geometry	Triple-Balanced (Separate Ground-Reference Conductor)				
Dielectric	FEP Air-Tubes (FEP is a Fluoro-Polymer) 23% more air than Wind FEP Air-Tubes (FEP is a Fluoro-Polymer) 71% more air than Wind FEP Air-Tubes (FEP is a Fluoro-Polymer) 117% more air than Wind				
Noise-Dissipation System	Carbon-Based 8-Layer Noise-Dissipation System (NDS)				
Jacket	Black/Red Braid Navy Blue Braid Black Braid				
Terminations	WEL-Type Double-Contact Cold-Welded reusable plugs, Hanging-Silver Plating directly over Machined Solid Extreme-Purity Red Copper				

Length
0.5m pair
0.75m pair
1.0m pair
1.5m pair
2.0m pair
3.0m pair
5.0m pair
For Lengths Over 10,0m, Use Formula:

EU Retail	
2,350.00	
2,825.00	
3,300.00	
4,250.00	
5,200.00	
7,100.00	
10,900.00	
1,900.00/m + 1,400.00	
1,400.00	

EU Retail	
3,700.00	
4,300.00	
4,900.00	
6,100.00	
7,300.00	
9,700.00	
14,500.00	
2,400.00/m +	
2,500.00	

П	EU Retail
	6,600.00
	7,400.00
	8,200.00
	9,800.00
1	11,400.00
l	14,600.00
	21,000.00
1	3,200.00/m +
J١	5,000.00

Subwoofer Cables

Subwoofer Cables are Single Cables with a Separate Chassis-Ground Connector*











Metal	Solid Long-Grain Copper (LGC)	Copper (LGC) Solid 0,5% Silver		Solid 1,25% Silver
Geometry	Symmetrical Coax	Symmetrical Coax HyperLitz Coax Symmetrical Coax		Double-Balanced
Dielectric		Foamed-Polyethylene		
Noise-Dissipation System	Metal-Layer Noise-Dissipation System			Carbon-Based 3-Layer NDS
Jacket	Black/White Stripes CL3/FT4 Rated PVC • Thin, Fast, and Flexible • White/Light Gray Stripes CL3/FT4 Rated PVC • Up to 5m - Black/Red Braid • 8m and Longer - CL3/FT4 Rated Black/Red Stripes PVC		Up to 5m - Black/Brown Braid 8m and Longer - CL3/FT4 Rated Black/Brown Stripes PVC	
Terminations	Cold-Welded, Gold-Plated		Cold-Welded, Hanging-Silver directly over pure Red Copper	

Length	
2.0m	
3.0m	
5.0m	
8.0m	
12.0m	
16.0m	
20.0m	

EU Retail	1
37.50	
42.50	
55.00	
69.00	
89.00	
119.00	
139.00	

EU Retail	
59.00	
65.00	
79.00	
99.00	
125.00	
149.00	
179.00	
179.00	

EU Retail	
89.00	
99.00	
119.00	
149.00	
199.00	
239.00	
289.00	J

EU Retail	
175.00	
199.00	
239.00	
299.00	
399.00	
479.00	
569.00	









Metal	Solid 5% Silver	Solid 10% Silver	Solid 100% Perfect-Surface Silver (PSS)
Geometry	Triple-Balanced		
Dielectric	Polyethylene Air-Tubes	Polyethylene Air-Tubes FEP Air-Tubes (FEP is a Fluoro-Polymer)	
Noise-Dissipation System	Carbon-Based 4-Layer Noise-Dissipation System		
Jacket	Black/Blue Braid or CL3/FT4 Rated Black/Blue Stripes PVC, Any Length	Black/Silver Braid or CL3/FT4 Rated Black/Dark Gray Stripes PVC, Any Length	Navy Blue Braid, Any Length
Terminations	Cold-\	Welded, Hanging-Silver directly over pure Red (Copper

Length
2.0m
3.0m
5.0m
8.0m
12.0m
16.0m
20.0m
For Other Lengths, Use Formula:

EU Retail	
339.00	
399.00	
499.00	
669.00	
889.00	
1,109.00	
1,329.00	
55.0/m +	
229.00	

EU Retail	
769.00	
879.00	
1,099.00	
1,429.00	
1,869.00	
2,299.00	
2,749.00	
110.00/m +	
549.00	

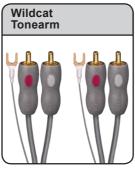
ш	EU Retail
	1,649.00
	2,199.00
1	3,299.00
П	4,949.00
	7,149.00
П	9,349.00
	11,549.00
1	550.00/m +
)	549.00

For REL subwoofer cables, see page 14. For FLX-Mini and FLX-X splitters, see page 54. *Greyhound does not include a chassis-ground connector.

Tonearm Cables





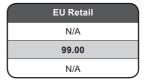






Metal	Solid PSC		Solid PSC+	
Dielectric	Foamed-Polyethylene			
Noise-Dissipation System	No Carbon-Based 3-Layer NDS		d 3-Layer NDS	
Capacitance	Less than 65pF/1,5m			
Jacket	White/Gray Braid Black Braid		Braid	
Termination	Gold-Plated Straight 5-pin JIS plug to Gold- Plated RCA (x2) + Ground.	Gold-Plated RCA (x2) ↔ RCA (x2) + Ground.	Cold-Welded, Direct-Silver Plated Straight 5-pin JIS plug to Cold-Welded, Direct-Silver Plated RCA (x2) + Ground.	Cold-Welded, Direct-Silver Plated RCA (x2) ↔ RCA (x2) + Ground.

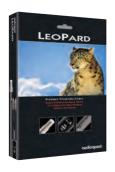
	Length	
	1.2m	
	1.5m	
\Box	2.0m	



EU Retail	
N/A	
99.00	
N/A	

	EU Retail	
	N/A	
	399.00	
\Box	N/A	

	EU Retail	
	N/A	
	399.00	
$ igcup_{ }$	N/A	









Metal	Solid Perfect-Surface Silver (PSS)		
Dielectric	FEP Air-Tubes (FEP is a Fluoro-Polymer)		
Noise-Dissipation System	Carbon-Based 4-Layer Noise-Dissipation System		
Capacitance	Less than 56pF/1,2m		
Jacket	Gray PVC	Black/Blue Stripes PVC	Black/Gray Stripes PVC
Termination	Right-Angled or Straight Machined-Barrel 5-Pin JIS Plug to RCA (x2) Plugs + Ground. RCA or XLR or RCA ↔ RCA	Right-Angled or Straight Machined-Barrel 5-Pin JIS Plug to Wild RCA (x2) Plugs + Ground. RCA or XLR	Right-Angled or Straight Machined-Barrel 5-Pin JIS Plug to WEL Signature Series RCA (x2) Plugs + Ground. RCA or XLR

Length	١
1.2m	
1.5m	
2.0m	,

EU Retail	
849.00	
N/A	
1,099.00	

EU Retail	
2,899.00	
N/A	
4,899.00	

EU Retail	
3,999.00	
N/A	
4,899.00	

Record Brushes & Ground Cables

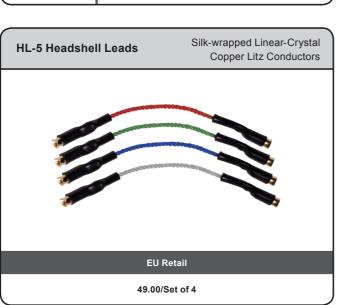
Saturn GroundGoody - PSC+

Ground cable that partners with any AudioQuest RCA cable to create a low-distortion tonearm cable. Minimizes Distortion, Protects Against RFI.

- PSC+ Conductors
- Direct-Silver Plated #10 Stud **CU Spades**
- Controlled for Correct Directionality



Length	EU Retail
0.6m	30.00
1.0m	32.50
1.5m	35.00
2.0m	37.50
3.0m	40.00



Jupiter GroundGoody - PSS

Ground cable that partners with any AudioQuest RCA cable to create a low-distortion tonearm cable. Minimizes Distortion, Protects Against RFI.

- PSS Conductors
- Direct-Silver Plated #10 Stud **CU Spades**
- Controlled for Correct Directionality



Length	EU Retail
0.6m	139.00
1.0m	219.00
1.5m	299.00
2.0m	399.00
3.0m	569.00



Digital-Audio Interconnect Cables

Really... Just Ones and Zeros?

Ever since the first CD players in 1983, the credibility debate in audio has been over whether "bits are bits," and there's no more to it. Ever since 1983, differences in digital audio performance have been clear to all who would listen, and differences between digital cables have ranged from minor to jaw-dropping amazing.

The audio world has been going through an evolution maybe even more profound than the transition to CDs: digital audio files, whether on a spinning disc, streaming from the internet, or resident on a hard drive, are offering wonderful new opportunities for convenience ... and for fantastic performance.

AudioQuest brings the same sensitivity, insight, and technology to today's digital transfer modes as we've brought to Digital Coax, AES/EBU balanced digital and Toslink fiber optic cables for the last 28 years.

There are particulars to each digital format, however "jitter," time-based shifting and smearing of data, is the same enemy it has always been ... AudioQuest employs all its proven techniques for minimizing this data damage: better metals, better geometry, better dielectric, DBS (Dielectric-Bias System), NDS (Noise-Dissipation System), and other ingredients required to finesse each specific application.

Whether you use buds with a 3,5mm-plug analog cable from a computer, smart phone or a portable DAC (like our Dragon-Fly Black or Red), a USB cable into a DAC, or whether using Ethernet cable for wiring your home network system, it's a bright and wonderful day in audio!



Digital Coax Cables









Metal	Solid 0,5% Silver	Solid 1,25% Silver	Solid 5% Silver	
Gauge	24 AWG		21 AWG	
Dielectric	Hard-Cell Foam		Hard-Cell Foam	
Noise-Dissipation System	Metal-Layer Noise-Dissipation System		Carbon-Based 5-Layer NDS	
Jacket	Black/Green Stripes PVC	Black/Red Braid	Black/Dark Gray Braid	
Terminations	Cold-Welded, Gold-Plated		d, Gold-Plated Cold-Welded, Hanging-Silver Directly Over Pure Purple Copper	
Shield	Foil + Tinned Braid	Foil + Silver-Plated Braid		

Length
0.75m
1.0m
1.5m
2.0m
3.0m
5.0m
For Lengths Over 5,0m, Use Formula:

EU Retail
27.50
N/A
32.50
N/A
42.50
65.00
N/A

EU Retail
65.00
N/A
85.00
N/A
129.00
185.00
N/A

EU Retail
175.00
185.00
209.00
229.00
269.00
359.00
45.00/m + 140.00











Metal	Solid 10% Silver Solid 100% Perfect-Surface Silver (PSS)				
Gauge	21 AWG				
Dielectric	Hard-Cell Foam				
Noise-Dissipation System	Carbon-Based 6-Layer Noise-Dissipation System		Carbon-Based 7-Layer NDS, 2 x EMI Absorption	Carbon-Based 7-Layer NDS, 3 x EMI Absorption	
Jacket	Black/Brown Braid	Black/Silver Braid	Navy Blue Braid	Black Braid	
Terminations	Cold-Welded, Hanging-Silver Directly Over Pure Red Copper Cold-Welded, Hanging-Silver Directly Over Machined Pure Red Copper Cold-Welded, Hanging-Silver Directly Over Red		Cold-Welded, Hanging-Silver Directly Over Pure Red Copper		tly Over Machined Pure Red Copper
Shield	Silver-Plated Braid		Copper Foil + 100% PSS-Silver Spiral		

Length
0.75m
1.0m
1.5m
2.0m
3.0m
5.0m
For Other Lengths, Use Formula:

EU Retail	
439.00	
479.00	
549.00	
619.00	
759.00	
1,049.00	
140.00/m +	
339.00	

EU Retail	
949.00	
1,049.00	
1,249.00	
1,449.00	
1,849.00	
2,649.00	
400.00/m +	
649.00	

2,249.00
2,469.00
2,899.00
3,349.00
4,229.00
5,989.00
880.00/m + 1,589.00

EU Retail
3,699.00
4,119.00
4,889.00
5,659.00
7,199.00
10,279.00
1,540.00/m + 2,579.00

AES/EBU Cables









Metal	Solid 1.25% Silver	Solid 5% Silver	Solid 10% Silver
Gauge	24 <i>F</i>	AWG	21 AWG
Dielectric	Hard-Cell Foam		
Noise-Dissipation System	Carbon-Based 3-Layer NDS	Carbon-Based 5-Layer NDS	Carbon-Based 7-Layer NDS
Jacket	Black/Red Braid	Black/Dark Gray Braid	Black/Brown Braid
Terminations	Cold-Welded, Gold-Plated	Cold-Welded, Hanging-Silver Directly Over Pure Purple Copper	Cold-Welded, Hanging-Silver Directly Over Pure Red Copper
Shield		Foil + Tinned Braid	

Length
0.75m
1.0m
1.5m
2.0m
3.0m
5.0m
For Other Lengths, Use Formula:

EU Retail
69.00
N/A
89.00
N/A
129.00
189.00
N/A

EU Retail	
175.00	
185.00	
209.00	
229.00	
269.00	
359.00	
45.00/m + 140.00	

EU Retail
439.00
479.00
549.00
619.00
759.00
1,049.00
140.00/m + 339.00









Metal	Solid 100% Perfect-Surface Silver (PSS)		
Gauge	21 AWG		
Dielectric	Hard-Cell Foam		
Noise-Dissipation System	Carbon-Based 7-Layer NDS	Carbon-Based 7-Layer NDS, 2 x EMI Absorption	Carbon-Based 7-Layer NDS, 3 x EMI Absorption
Jacket	Black/Silver Braid	Navy Blue Braid	Black Braid
Terminations	Cold-Welded, Hanging-Silver Directly Over Pure Red Copper	Cold-Welded, Hanging-Silver Directly Over Machined Pure Red Copper	
Shield	Foil + Tinned Braid	Foil + Silver-Plated Spiral	

Length	
0.75m	
1.0m	
1.5m	
2.0m	
3.0m	
5.0m	
For Other Lengths, Use Formula:	

EU Retail
949.00
1,049.00
1,249.00
1,449.00
1,849.00
2,649.00
400.00/m + 649.00

EU Retail	
2,249.00	
2,469.00	
2,899.00	
3,349.00	
4,229.00	
5,989.00	
880.00/m + 1,589.00	

EU Retail
3,699.00
4,119.00
4,889.00
5,659.00
7,199.00
10,279.00
1,540.00/m + 2,579.00

Optical Digital-Audio Cables









Туре	Optical				
Conductors	Low-Dispersion Fiber Low-Dispersion Fiber Lower-Dispersion Higher-Purity R				
Jacket	Black/Gray Stripe In-Wall Rated PVC	0,75m & 1,5m – Black/Green Braid; 3,0m & Longer – In-Wall Rated PVC	0,75m & 1,5m – Black/Red Braid; 3,0m & Longer – In-Wall Rated PVC		

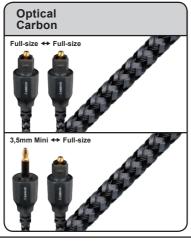
	Length	
	0.75m	
	1.5m	
	3.0m	
	5.0m	
	8.0m	
	12.0m	
(16.0m	

EU Retail
25.00
30.00
45.00
60.00
85.00
119.00
159.00

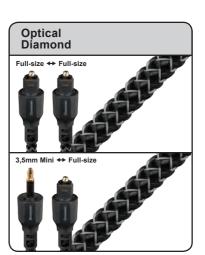
EU Retail
39.00
49.00
75.00
109.00
149.00
209.00
259.00

EU Retail	
69.00	
85.00	
119.00	
175.00	
259.00	
379.00	
499.00	









Туре	Optical				
Conductors	19 Narrow-Aperture Synthetic Fibers 217 Narrow-Aperture Synthetic Fibers 300 Narrow-Aperture Quartz (Fused-Silica) Fib				
Jacket	Black/Gray Braid	Black/Blue Braid	Black/Silver Braid		

Length	
0.75m	
1.5m	
3.0m	
5.0m	

EU Retail	
109.00	
139.00	
199.00	
299.00	

EU Retail
199.00
275.00
399.00
599.00

EU Retail	
549.00	
599.00	
879.00	
1,199.00	,

USB Cables

USB Cinnamon

A ↔ B plug





















Metal	Solid LGC	Solid 0,5% Silver	Solid 1,25% Silver	Solid 5% Silver	Solid 10% Silver	Solid 100% PSS Silver
Dielectric	Hard-Cell Foam					
Noise-Dissipation System	No Carbon-Based 3-Layer Noise-Dissipation System					
Jacket*	Black/White Stripe PVC	Black/Green Stripe PVC	Black/Red Braid	Black/Gray Braid	Black/Brown Braid	Black/Silver Braid
USB 2,0 Lengths	Up to 5,0m					
USB 3,0 Lengths	N/A	Up to 3,0m	Up to 3,0m	Up to 3,0m	N/A	Up to 3,0m

Length	EU Retail					
0.75m	27.50	39.00	69.00	139.00	299.00	599.00
1.5m	31.50	42.50	85.00	185.00	379.00	769.00
3.0m	49.00	65.00	119.00	269.00	549.00	1,099.00
5.0m	75.00	99.00	175.00	389.00	769.00	1,599.00

*USB 3,0 cables are PVC.

Lightning & Thunderbolt Cables













Metal	Solid 0,5% Silver	Solid 1,25% Silver	Solid 5% Silver	Solid 100% PSS Silver	Solid 10% Silver
Dielectric		Hard-Cell Foam		Solid FEP Insulation	
Noise-Dissipation System	No	Metal-Layer NDS	Carbon-Based 3-Layer NDS		No
Jacket	Black/Green PVC	Black/Red PVC	Black/Gray PVC	Black/Silver PVC	Black/Brown PVC
Lengths	Up to 1,5m	Up to 3,0m		Up to 3,0m	

Length
0.15m
0.3m
0.75m
1.0m
1.5m
2.0m
3.0m

EU Retail	
N/A	
N/A	
39.00	
N/A	
49.00	
N/A	
N/A	
	_

	EU Retail	
	59.00	
	65.00	
	75.00	
	N/A	
	95.00	
	N/A	
	129.00	
$\overline{}$		_

EU Retail	
N/A	
N/A	
149.00	
N/A	
199.00	
N/A	
279.00	
	_

EU Retail
N/A
N/A
599.00
N/A
769.00
N/A
1,099.00
$\overline{}$

EU Retail	
N/A	
N/A	
N/A	
299.00	
N/A	
349.00	
399.00	

USB & Optical Adaptors





Part Number: LTNMUSBAD

EU Retail 21.95 **USB Type C** Adaptor



Part Number: **TYPECUSBAD**

EU Retail 14.95

USB B-to-Micro 2,0 Adaptor



Part Number: **USBMICROAD**

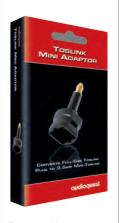
EU Retail 10.95 **USB Mini-to-Micro** 2,0 Adaptor



Part Number: **USBMMICROAD**

EU Retail

Optical Mini Adaptor



For use with computers and portable devices

Part Number: **OPLNKMINIADAPT**

EU Retail 7.95

10.95

USB Data & Power Noise Filter

JitterBug



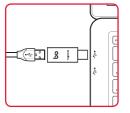


JITTERBUG

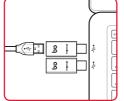
USB Data & Power Noise Filter

Dual Discrete Noise-Dissipation Circuits

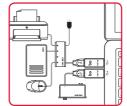
- Reduces the noise and ringing that plague both the data and power lines of USB ports
- Measurably reduces jitter and packet errors
- Improves dynamic contrast, warmth, and resolution



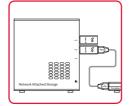
Use one JitterBug in series with any adaptive or asynchronous USB DAC and USB cable.



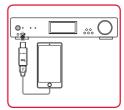
Use an additional JitterBug in parallel for improved playback performance.



Use JitterBug with other locally connected USB devices, such as hard drives, printers, and cameras, to effectively reduce audio interference.



Use JitterBug with USB-enabled network devices, such as routers, NAS devices, and streamers.

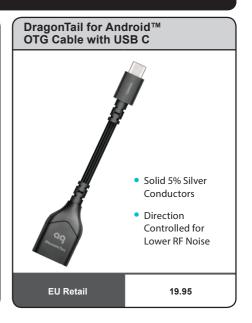


Use JitterBug with mobile devices.

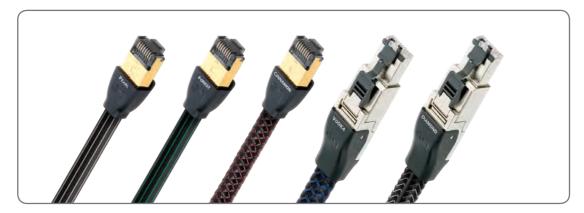
USB Cable Accessories







Wired vs. Wireless



Wireless networks (Wi-Fi) provide a convenient solution for connecting to the Internet or sending and receiving emails and files. However, when it comes to streaming high-resolution media throughout the home, the convenience of Wi-Fi comes with significant performance compromises. At a distance of only 20 feet, some wireless routers lose as much as 85% of their data throughput. These losses in throughput cause dropouts in your media, higher-variable compression rates, and an overall loss in audio and video fidelity. In addition, as you increase the number of devices on a wireless network, you decrease the potential bandwidth available to each device.

Wired Ethernet offers uncompromised data rates at distances up to 328 feet for Cat7 and 180 feet for Cat6, avoiding Wi-Fi's precipitous dropoff in data rates over distance. This ensures that all of your high-quality media streams reach their intended end devices (TVs, Apple TV, Roku, receivers, audio streamers) with no compromise to the data. The end result is greater reliability and better sound and picture.

Even generic Ethernet cable offers audio performance that's clearly superior to the fastest, most robust wireless networked-audio system. Moving beyond the limitations of wireless, the specific cable matters, too. AudioQuest offers multiple CAT600 (Cat6) and CAT700 (Cat7) bulk Ethernet cables for whole-house "electronic plumbing," as well as prepared RJ/E Ethernet cables. While Cat6/CAT600 cables support network speeds up to 1 Gigabit per second (Gbps), Cat7/ CAT700 cables support network speeds up to 10 Gbps at 100 meters length. AudioQuest's CAT700 and RJ/E prepared Ethernet cables are all built on a Cat7 foundation, the highest Cat standard.

Our CAT600 DCP (Digital Copper Plumbing) combines Solid Long-Grain Copper (LGC) Conductors, controlled for proper digital-audio directionality, with Solid High-Density Polyethylene insulation that both ensures critical signal-pair geometry and minimizes insulation-induced phase distortion. CAT600 FMJ (Full Metal Jacket) offers all the same benefits as DCP, but adds an overall shield for lower noise, cleaner sound, and greater dynamics. CAT700 Pearl

uses Hard-Cell Foam insulation because the stiffness of the material allows the conductors in the cable to maintain the same geometric relationship along the full length of the cable, thus ensuring that the characteristic impedance of the cable is consistent. CAT700 Forest and CAT700 Carbon offer all of the same benefits as CAT700 Pearl, but upgrade from Pearl's Solid Long-Grain Copper conductors with Solid 0,5% Silver and Solid 5% Silver conductors, respectively.

For shorter runs in high-performance applications, AudioQuest's RJ/E Ethernet line offers a complete solution with an easy, affordable entry and a clearly worthwhile, exciting upgrade path. RJ/E Pearl combines Solid Long-Grain Copper conductors with our geometry-stabilizing Solid High-Density Polyethylene insulation in a simple, but handsome PVC jacket. The durable gold-plated connectors provide 100% shield coverage and feature an extrastrong tab for flawless performance. RJ/E Forest upgrades Pearl's copper conductors with our Solid 0,5% Silver conductors, while the still-affordable RJ/E Cinnamon adds an attractive black-and-red braid and takes another step up to higher-purity Solid 1,25% Silver conductors. Vodka's Solid 10% Silver conductors offer improved clarity and detail, while its Carbon-Based 3-Layer Noise-Dissipation System (NDS) shields the shields, absorbing and reflecting most of the sonically detrimental noise/RF energy before it reaches the layer attached to ground. Finally, our top-of-the-line RJ/E Diamond makes the big jump up to our highest quality metal—Solid 100% Perfect-Surface Silver (PSS) conductors—and adds our patented Dielectric-Bias System (DBS) for unrivaled performance, with clearer overall sound, extraordinary detail, and stunning dynamic contrasts.

In addition to AudioQuest's hallmark materials and techniques, the top Ethernet models feature extreme-performance Telegärtner RJ45 connectors, which employ a patented combination of geometry and circuitry to minimize impedance-mismatch distortion. The improvement in performance is slap-in-the-ears obvious and indicative of the difference all connectors and materials make.

Once you hear our RJ/E Ethernet cables, you'll never go back to the "convenience" of wireless.

To download CAT600 and CAT700 cable termination manuals, go to http://www.audioquest.com/custom-install/manuals/ To see an ITC demo video, go to http://www.audioquest.com/custom-install/itc-instant-tool-less/itc_tips/

RJ/E (Ethernet) Cables









Metal	Solid Long-Grain Copper (LGC)	Solid 0,5% Silver	Solid 1,25% Silver
Dielectric	Geometry Stabilizing Solid High-Density Polyethylene		
Noise-Dissipation System	No		
Jacket	CMG (CL3 & FT4) Rated Black/Gray Stripe PVC	CMG (CL3 & FT4) Rated Black/Green Stripe PVC	Up to 3,0m - Black/Red Braid 5,0m and Longer – CMG (CL3 & FT4) Rated Black/Red Stripe PVC
Terminations	Gold-Plated Nickel Connectors with 100% Shield Coverage		

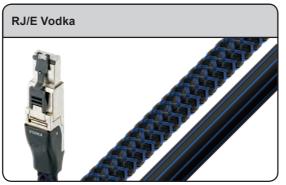
Length	
0.75m	
1.5m	
3.0m	
5.0m	
8.0m	
12.0m	

EU Retail	
27.50	
29.00	
49.00	
69.00	
99.00	
149.00	

EU Retail	
42.50	
52.50	
75.00	
109.00	
149.00	
219.00	

EU Retail	
82.50	
99.00	
129.00	
175.00	
239.00	
329.00	







Metal	Solid 10% Silver	Solid 100% Perfect-Surface Silver (PSS)
Dielectric	Geometry Stabilizing Solid High-Density Polyethylene	
Noise-Dissipation System	Carbon-Based 3-Layer Noise-Dissipation System	
Jacket	Up to 3,0m – Black/Blue Braid 5,0m and Longer – CMG (CL3 & FT4) Rated Black/Blue PVC	Black/Silver Braid
Terminations	Precision-Made Low-Loss Ultra-Wide Bandwidth Connectors with 100% Shield Coverage and Strain Relief	

Length
0.75m
1.5m
3.0m
5.0m
8.0m
12.0m

EU Retail
275.00
375.00
579.00
849.00
1,275.00
1,825.00

EU Retail
759.00
1,299.00
2,399.00
3,849.00
5,999.00
8,799.00

Bulk Cat6 & Cat7 Cables, Plugs & Tools





















		Referen	CE CHART		
	CAT600 DCP	CAT600 FMJ	CAT700 Pearl	CAT700 Forest	CAT700 Carbon
CAT600 DCP Connector	X				
CAT600 FMJ Connector		X			
CAT700 Connector			X	Х	X
Telegärtner Connector			X	х	X

To download CAT600 and CAT700 cable termination manuals, go to http://www.audioquest.com/custom-install/manuals/ To see an ITC demo video, go to http://www.audioquest.com/custom-install/itc-instant-tool-less/itc_tips/

HDMI

Are AudioQuest HDMI Cables 4K Compliant?

AudioQuest HDMI up to 15,0m exceeds 18Gbps requirement for 4K UltraHD, HDR, HDCP 2,2, Blu-ray UltraHD, 3D, 4:4:4 Color, Etc.

The AudioQuest line of HDMI cables begins with Pearl, which employs Solid Long-Grain Copper conductors. The next model up is Forest, which features Solid 0,5% Silver conductors. Each successive model uses a higher percentage of silver, from Cinnamon's 1,25% to Chocolate's 2,5%. (Note: The silver plating itself is made of 100% silver. The percentages refer to the amount of silver that makes up the entire conductor.)

All AudioQuest HDMI cables up to and including 8 meters exceed the 18Gbps requirement for 4K UltraHD, HDR, HDCP 2,2, Blu-ray UltraHD, 3D, 4:4:4 Color and can therefore transmit 100% of the data required for all of HDMI's current features.

All AudioQuest HDMI cables honor the fact that HDMI is an audio cable as well as a video cable; all signal conductors, including those dedicated to the Audio Return Channel feature, are controlled and labeled for correct directionality, ensuring the best sonic performance. Using a careful combination of high-quality materials, rigorous testing, and expert design, AudioQuest HDMI cables are made to maximize the audio and video experience.

As interest and enthusiasm in 4K technology continues to surge, many of our customers continue to have questions regarding cable compatibility. First and foremost among these questions is: Are AudioQuest HDMI cables 4K compliant?

The answer, of course, is Yes.

The single qualification by which an HDMI cable is deemed 4K compliant is its ability to pass 18Gbps. In other words, if an HDMI cable can pass 18Gbps, then it is compatible with 4K.

All AudioQuest HDMI cables, up to 8,0m, are capable of achieving data rates of 18Gbps (or greater). Thus, all AudioQuest cables, up to 8,0m, are compatible with 4K.

18Gbps data rates allow for, but are not limited to, the following advancements in image reproduction:

- Resolution up to 3840 x 2160
- Wide Color Gamut: 10-bit color depth (with possible provisions for 12-bit in the future)
- High Dynamic Range (HDR)
- The following frame rates:
- ♦ 120p, 119.88p, 100p, 60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.976p
- The following Chroma Sub-Sampling:
 - 4:4:4: In which every image pixel has its chrominance value included. Y/Cr/CB all have the same sampling rate. Therefore, there is no sub-sampling. (100% of the color.)
 - 4:2:2: In which the horizontal chroma resolution is halved, with vertical resolution remaining full. This reduces the bandwidth of an uncompressed video signal by one-third, with little to no visual difference (1/2 the horizontal resolution with full vertical resolution: 50% of the color.)
 - ♦ 4:2:0: In which both the vertical and horizontal resolutions are halved, leaving 25% of the color information.
- It is important to note that Ultra HD Blu-Ray discs are all encoded at 4:2:0.

While the transition from standard-definition to high-definition (720p or 1080i) television was driven by a federal mandate, 4K is an industry initiative and should be viewed as a progressive maturation of technologies. HDMI customers should be assured that all AudioQuest HDMI cables, up to 8,0m, are 100% Capable, meeting the 18Gbps requirements for 4K.

Slim HDMI Cables

All AudioQuest HDMI cables, up to 8,0m, are capable of achieving data rates of 18Gbps (or greater). Thus, all AudioQuest cables, up to 8,0m, are compatible with 4K.





Metal Solid Long-Grain Copper (LGC)	
Dielectric	Geometry Stabilizing Solid-Polyethylene
Jacket	Blue/Black Stripes PVC
Туре	High Speed with Ethernet

Length	EU Retail
2.0m	49.00

HDMI Digital Audio/Video Cables with Ethernet





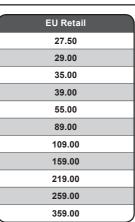






Metal	Solid LGC	Solid 0.5% Silver	Solid 1.25% Silver		Solid 2.5% Silver	
Dielectric	Hard-Cell Foam					
Noise-Dissipation System	No			Metal-Layer Noise-I	Dissipation Syste	m
Jacket	CMG (CL3 & FT4) Rated	CMG (CL3 & FT4) Rated	Up to 2.0m: Braided	3.0 – 4.0m: CMG (CL3 & FT4) Rated Black/Red PVC	Up to 3.0m: Braided	4.0m: CMG (CL3 & FT4) Rated White PVC
	Black/White Stripe PVC	Black/Green Stripe PVC	5.0m and Longer: CMG (CL3 & FT4) Rated (Meets Code for In-Wall) White PVC			
Туре	0.6m to 15.0m (49 Feet) Carry Full HDMI 2.0 4K + HDR, 18Gbps, 10.0m - 15.0m Active					

Length
0.6m
1.0m
1.5m
2.0m
3.0m
4.0m
5.0m
8.0m
10.0m
12.5m
15.0m



	EU Retail	
	39.00	
	49.00	
	59.00	
	69.00	
	99.00	
	129.00	
	149.00	
	239.00	
	329.00	
	399.00	
	529.00	
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EU Retail	
69.00	
75.00	
95.00	
109.00	
139.00	
189.00	
219.00	
329.00	
439.00	
529.00	
769.00	
	_

m	Active
	EU Retail
Į.	EU Retail
	99.00
	109.00
	129.00
	149.00
	199.00
	259.00
	319.00
	N/A
	N/A
	N/A
J	N/A









Metal	Solid 5% Silver		Solid 10% Silver	Solid 100% PSS Silver	
Dielectric	Hard-Cell Foam				
Noise-Dissipation System	Carbon-Based 3-Layer Noise-Dissipation System				
Jacket	Up to 3,0m: Braided	4,0m: CMG (CL3 & FT4) Rated White PVC	Up to 3,0m: Braided		
	5,0m and Longer: CMG (CL3 & FT4) Rated (Meets Code for In-Wall) White PVC 5,0m and Longer: CMG Rated Charcoal			5,0m and Longer: CMG Rated Charcoal PVC	
Туре	0,6m to 5,0m (49 Feet) Carry Full HDMI 2,0 4K + HDR, 18Gbps				

Length
0.6m
1.0m
1.5m
2.0m
3.0m
4.0m
5.0m

EU Retail
159.00
185.00
225.00
259.00
329.00
429.00
529.00

EU Retail
289.00
319.00
369.00
419.00
499.00
N/A
N/A

EU	Retail
46	9.00
54	19.00
64	19.00
75	9.00
98	9.00
I	N/A
	N/A

EU Retail	
1,029.00	
1,199.00	
1,399.00	
1,649.00	
1,999.00	
N/A	
N/A	

HDMI Adaptors























USB Digital-Audio Converters

DragonFly USB Digital-Audio Converter

DRAGONFLY BLACK

USB DAC + Preamp + Headphone Amp

BEAUTIFUL SOUND FROM ANY MOBILE DEVICE OR COMPUTER

- USB Stick-Sized Digital-to-Analog Converter
- Medium-Output (1,2 volt)
- Plays All Music Files: MP3 to High-Resolution
- Drives Headphones Directly
- Variable Output Drives Powered Speakers or Power Amp
- Fixed Output Feeds Preamp or Receiver
- Asynchronous Transfer Ensures Digital Timing Integrity

EU Retail

99.00





DRAGONFLY, RED

USB DAC + Preamp + Headphone Amp

BEAUTIFUL SOUND FROM ANY MOBILE DEVICE OR COMPUTER

- USB Stick-Sized Digital-to-Analog Converter
- High-Output (2,1 volt)
- Plays All Music Files: MP3 to High-Resolution
- Drives Headphones Directly
- 64 Bit, Bit-Perfect Variable Output Drives Headphones, Powered Speakers, or Power Amp
- Fixed Output Feeds Preamp or Receiver
- **Asynchronous Transfer Ensures** Digital Timing Integrity

EU Retail 199.00



Beetle Optical-Bluetooth-USB Digital-to-Analog Converter

Optical-Bluetooth-USB DAC

BEAUTIFUL SOUND FROM SMARTPHONES, TABLETS, COMPUTERS, TVs, GAME CONSOLES AND MANY OTHER DIGITAL SOURCES

- High-performance Optical input, coupled with ESS's 9010 Time Domain Jitter Eliminator®
- Asynchronous USB with Streamlength technology
- Asynchronous Bluetooth with Streamlength BT technology
- Minimum-Phase Digital Filter
- Free desktop application for personalization and software/firmware updates



Headphones

Remarkably Low Distortion for Clean, Clear, Naturally Beautiful Sound



Take flight, move forward and enjoy deeper immersion with AudioQuest headphones.

AudioQuest headphones combine sophisticated materials and innovative design to provide outstanding comfort, gorgeous looks, and naturally beautiful sound for immersive, enriching, fatigue-free listening. These are products design to engage, seduce, and satisfy *all* of the senses. Products designed to inspire: music lovers and headphone enthusiasts, as well as thinkers, builders, engineers, and creators of all sorts. Products designed, like all AudioQuest products, to minimize distortion and to *do no harm*.

NightHawk Carbon now boasts several acoustic, ergonomic, and cosmetic refinements, while retaining the original model's unrivaled comfort, uncommonly low distortion, and naturally beautiful sound.

NightOwl Carbon trades its siblings' semi-open grille for an intelligently damped closed-back design that enables exceptional isolation from external noise and even deeper sonic immersion.

- Loudspeaker-inspired technology: 50mm dynamic driver with biocellulose diaphragm, rubber surround, and true voice-coil former defeats the resonant coloration and distortion that plagues typical headphones
- Exceptionally flat impedance enables greater compatibility with a wide range of amplifiers and source components, including mobile devices
- Patent-pending suspension system provides unsurpassed comfort and fatigue-free listening
- High-performance headphone plug adaptor features direct-silver plated high-purity copper
- Specifications:

Impedance: 25 ohms | Sensitivity: 99dBSPL / mW |

Power Handling: 1,5W Weight: 346g (12,2 oz.)

Driver: 50mm Dynamic - Biocellulose Diaphragm - 1,2T

Split-Gap Motor

NightHawk Carbon Headphones



- Around-the-ear semi-open design
- · 3D-printed biomimetic sound-diffusing grille
- · Acoustically superior, sustainably engineered materials
- Patent-pending suspension system with freely articulating earcups counteracts intrusive resonances
- Pistonic driver with biocellulose diaphragm and compliant rubber surround
- Patented split-gap motor dramatically reduces intermodulation distortion
- AudioQuest cable with improved strain relief; non-microphonic, kink-free jacket; discrete mic and smartphone controls
- · Carbon Grey Metallic high-gloss finish

NightHawk Carbon Headphones EU Retail 699.00

NightOwl Carbon Headphones



- · Around-the-ear closed-back design
- · Aperiodic damping system for excellent isolation of external noise
- Acoustically superior, sustainably engineered materials
- Patent-pending suspension system with freely articulating earcups counteracts intrusive resonances
- Pistonic driver with biocellulose diaphragm and compliant rubber surround
- Patented split-gap motor dramatically reduces intermodulation distortion
- AudioQuest cable with improved strain relief; non-microphonic, kink-free jacket; discrete mic and smartphone controls
- · Carbon Grey Metallic high-gloss finish

NightOwl Carbon Headphones **EU Retail** 699.00

Perch Headphone Stand



- · Easily and safely accomodates all headphones
- High-quality materials
- · Heavy base provides stability

Perch Headphone Stand EU Retail 89.00

Headphone Accessories



AC Power

The AudioQuest Niagara Series - Low-Z Power I Noise-Dissipation System



Redefining the Science of Power Conditioning

The science of AC power delivery is not a simple one; it demands focus, and the devil is in the details. In fact, the great increase in airborne and AC-line-transmitted radio signals (satellite, Bluetooth, cellular), combined with overtaxed utility lines and the ever-increasing demands from high-definition audio/video components, has rendered the AC power coming to us through our utilities an antiquated technology.

Further, today's power amplifiers are being taxed for instantaneous peak-current demand, even when driven at modest volume levels. Although we have seen a substantial increase in dynamic range from much of our audio software, the loudspeakers we use to reproduce them are often no more efficient than they were five decades ago. This places great demands on an amplifier's power supply, as well as the AC power source supplying it.

Through differential tests and spectrum analysis, it can be proven that up to a third of a high-resolution (low-level) audio signal can be lost, masked, or highly distorted by the vast levels of noise riding along the AC power lines that feed

our components. This noise couples into the signal circuitry as current noise through both the AC line and ground, permanently distorting and/or masking the sensitive source signal.

Once the signal is gone, it's gone forever...

The Niagara Series addresses these issues to ensure maximum system performance. The series boasts many unique features such as our patented AC Ground Noise-Dissipation System, the widest bandwidth-linearized AC filter in the industry, and our unique Transient Power Correction circuit (which supplies an instantaneous current reservoir of over 90 amps peak), our patented Dielectric-Biased Isolation Transformers, proprietary noise filtering capacitors formed by a process developed by NASA and Jet Propulsion Laboratories, Hanging-Silver direct-plated connectors over high purity red and beryllium coppers, and directionally-oriented solid copper conductors just to name a few.

A great system is built from a solid foundation, and that foundation starts with its AC power source. With the AudioQuest Niagara Series, you'll experience for the first time the clarity, dimensionality, frequency extension, dynamic contrast, and grip your system has always been capable of delivering—if only the power had been pure!

Niagara 1000



· Patented Ground Noise-Dissipation Technology

 Non-Sacrificial and Sonically Non-Invasive Over-Voltage Shut-Down and Transient Surge Suppression

• In Excess of 20 Octaves of Linearized Transverse-Mode

Maximum RMS Input Current: 15 Amps (RMS)

Maximum RMS Current per Source Component Output Bank:

15 Amps (RMS)

(Differential) Filtering

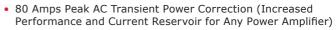
Outlets: Source (5); High-Current (1)

Dimensions: 11.43cm W x 13.31cm H x 50.8cm D

Weight: 2.49 kgs.

EU Retail 1,195.00

Niagara 5000



- In Excess of 23 Octaves of Linearized Transverse-Mode (Differential) Filtering
- Patented Ground Noise-Dissipation Technology
- Non-Sacrificial and Sonically Non-Invasive Over-Voltage Shut-Down and Transient Surge Suppression

Maximum RMS Input Current: 20 Amps (RMS)

Maximum RMS Current per Source Component Output Bank: 20 Amps (RMS)

Outlets: Source (8); High-Current (3)

Dimensions: 44.45cm W x 13.31cm H x 43.69cm D (3-RU Rack

Mount Kits Optional) Weight: 17.24 kgs.



EU Retail 4,495.00

Niagara 7000



EU Retail 8,995.00

- Two Patented Dielectric-Biased Symmetrical Power Isolation Transformers (Source Component Outlets)
- 80 Amps Peak AC Transient Power Correction (Increased Performance and Current Reservoir for Any Power Amplifier)
- In Excess of 23 Octaves of Linearized Transverse-Mode (Differential) Filtering
- Patented Ground Noise-Dissipation Technology
- Non-Sacrificial and Sonically Non-Invasive Over-Voltage Shut-Down and Transient Surge Suppression

Maximum RMS Input Current: 20 Amps (RMS)

Maximum RMS Current per Source Component Output Bank: 5 Amps (RMS)

Outlets: Source (8-4 per Bank); High-Current (3)

Dimensions: 44.45cm W x 13.31cm H x 43.69cm D (3-RU Rack

Mount Kits Optional)

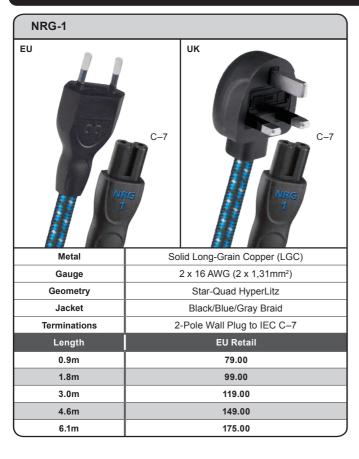
Weight: 39 kgs.

AC Power Cables: X Series





AC Power Cables: 2-Pole Wall Plug to IEC C-7 Connector

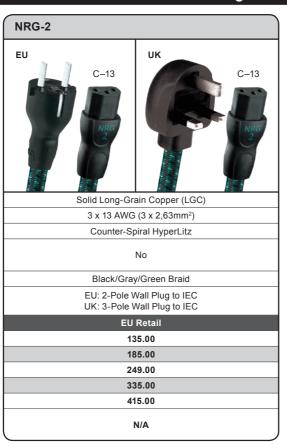




AC Power Cables: 3-Pole Wall Plug to IEC C-13 15 AMP Connector









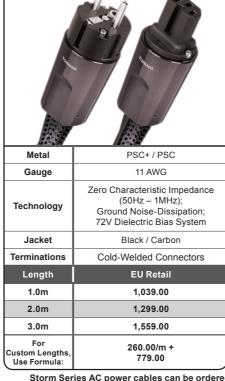
Hurricane | High-Current

AC Power Cables: Storm Series

Tornado | High-Current

ΕU







Storm Series AC power cables can be ordered with alternative connectors, see page 51 for options

AC Power Cables: Dragon Series





Storm Series AC power cables can be ordered with alternative connectors, see page 51 for options

AC Power Plugs











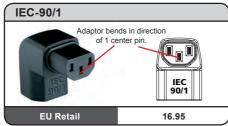


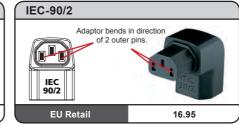
Metal	Hanging-Gold Directly Over Pure Purple Copper			
Case	ABS Housing (Non-Metallic)			
EU Retail	99.00 Each	99.00 Each	99.00 Each	

Hanging-Silver Directly Over Pure Red Copper					
ABS Housing (Non-Metallic)					
199.00 Each	199.00 Each	199.00 Each			

Female To Male IEC Adaptors

Premium Single-Piece Metal Conductors from Input to All Outputs Preserve Advantages of Superior Audioquest NRG Series AC Cables.







CleanScreen



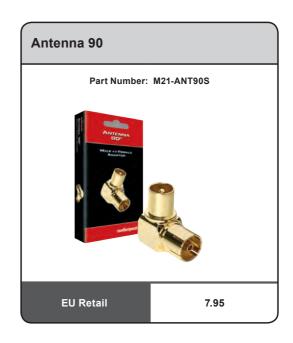
Antenna Cable & Antenna Adaptor



Center Metal	Solid 0.5% Silver
Shield	3-Layer Shield: Foil + 90% Braid + Foil
CL3/FT4 Jacket	Green/Dark Gray Stripes

Meter	E
1,5m	
3,0m	
4,5m	

EU Retail	
35.00	
45.00	
55.00	



Accessories

SorboGel Q-Feet System

Set of 4 energy-absorbing feet each with a "tray" which improves performance and protects furniture. Each foot supports up to 4 kg. (8 lbs.).



EU Retail

109.00/Set of 4

RCA Noise-Stopper Caps

Blocks a significant path for incoming high-frequency energy to interfere with circuit performance.



EU Retail

42.50/Set of 10

XLR Input or Output Noise-Stopper Caps

Blocks a significant path for incoming high-frequency energy to interfere with circuit performance.







Input Caps **Output Caps**

EU Retail

31.50/Set of 2

Sorbothane **Self-Stick Sheet**

6" x 6" x 0,10" sheet can be cut to size to damp anything, especially effective on top surface of speaker stands.



EU Retail

27.50

Binding-Post Wrench

Real tool-quality double-ended nut driver with metal inserts.

Fits 7/16" & 1/2" binding posts.



EU Retail

14.95

PSC BiWire Jumpers

Solid PSC Copper Jumpers replace stamped jumpers supplied with BiWirable speakers. Four 4" iumpers.

Choose:

- · BiWire Jumpers-G (Direct-Gold Plated) or
- BiWire Jumpers-S (Direct-Silver Plated)



EU Retail

27.50/Set of 4

PreAmp Jumpers

Solid PSC+ conductors in Polyethylene Air-Tubes Replaces factory fitted "U" jumpers on integrated amps & receivers.



31.50/Pair EU Retail

Voltage Upgrade Kit for DBS

FOR USE WITH EXISTING DBS CABLES ONLY.

Kit Includes: 1 x 72V DBS (inc. Batteries) 2 x Velcro Bands

Please Specify.

Black Carbon EU Retail 89.00 129.00

HDMI Noise-Stopper Caps

AQ Noise-Stopper Caps fit over unused HDMI inputs or outputs, preventing RFI and EMI noise from entering the active circuit.

Noise-Stopper Caps also protect against dust and corrosion



EU Retail

21.95/Set of 4

Noise-Stopper Caps

AQ Noise-Stopper Caps fit over unused RJ45 inputs or outputs, preventing RFI and EMI noise from entering the active circuit.

Noise-Stopper Caps also protect against dust and corrosion



EU Retail

21.95/Set of 4

Noise-Stopper Caps

AQ Noise-Stopper Caps fit over unused USB inputs or outputs, preventing RFI and EMI noise from entering the active circuit.

Noise-Stopper Caps also protect against dust and corrosion.



EU Retail

21.95/Set of 4

Splitters and RCA Adaptors: Mini Plugs

For Subwoofers Requiring the Use of Both RCA Input Jacks,
Order FLX-X RCA Splitter (Female RCA + 2 Male RCAs) in Addition to the Subwoofer Cable.



Metal	Solid Perfect-Surface Copper+ (PSC+)			
Jacket	Silver/White Braid			
Connectors Male Stereo 3.5mm ↔ 2 x Female Stereo 3.5mm				
Length	15cm			





Metal	Solid Perfect-Surface Copper+ (PSC+)			
Jacket	Silver/White Braid			
Connectors Male Stereo 3.5mm ↔ 2 x Female RCA (L & R)				
Length	15cm			

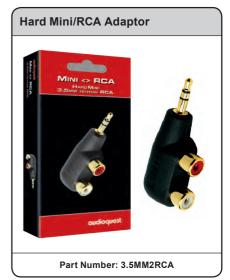
EU Retail 18.95



Metal	Solid Long-Grain Copper (LGC)			
Jacket	Black/Gray Braid			
Connectors	RCA Male ↔ 2 Female (L & R)			
Length	15cm			
EU Retail	18.95			



Metal	Solid Long-Grain Copper (LGC)			
Jacket	Black/Gray Braid			
Connectors	RCA Female ↔ 2 Male (L & R)			
Length	15cm			
EU Retail	18.95			



 Connectors
 Male 3.5mm ↔ 2 x Female RCA (L & R)

 EU Retail
 14.50

Audio/Video Adaptors & Couplers in EU Retail Packaging











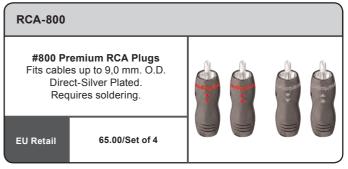


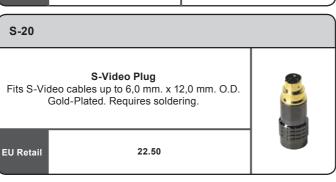


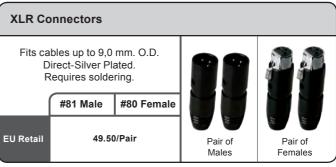


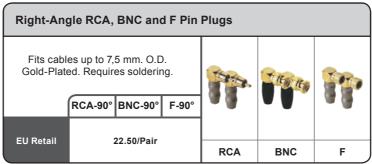
Audio & Video Connectors











75Ω Splitters in EU Retail Packaging







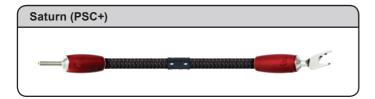
Spade, Pin and Banana Connectors Supplied with 20 x Red & 20 x Black "Boots" (except 1002)

	1410/S 1410/G	1010/S 1010/G	1414/S 1414/G	1014/S 1014/G	1056/S 1056/G	P10M/S P10M/G	BP10/S BP10/G	Crimp-BFA/S Crimp-BFA/G	1002/S 1002/G

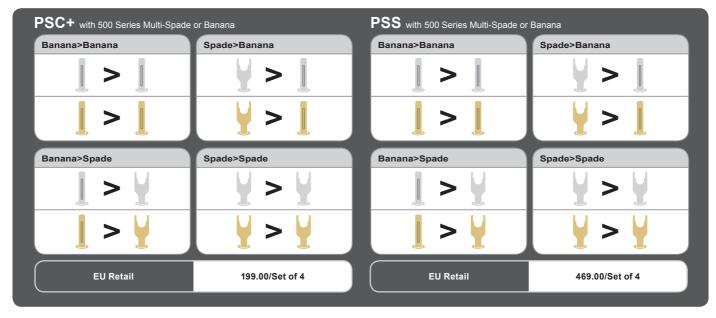
Plating		Direct-Silve	r Plated & Direct-Gold Plated Hanging-Silver & Hanging Gold Direct-Silver				r Plated & Direct-Gold Plated		
Wire Size	Up to 14 AWG	Up to 10 AWG	Up to 14 AWG	to 14 AWG Up to 10 AWG			Up to 9 AWG	N/A	
Fits	3/16" Bin	ding Post	1/4" Bind	1/4" Binding Post 5/16" 1/4" & 5/16" Bendable Pin Fits Binding Post Binding Post Almost Everything			Standard B	anana Jack	
EU Retail	6.50/Set of 4	6.50/Set of 4	6.50/Set of 4	6.50/Set of 4	13.75/Set of 4	19.50/Set of 4	6.50/Set of 4	19.50/Set of 4	27.50/Set of 4

BiWire Jumpers

Important: Please Specify Gold or Silver Connectors on Jumpers.





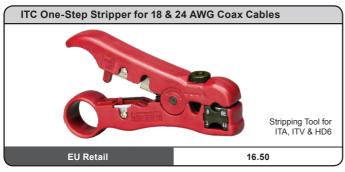


Tools

All the Tools Necessary to Cut, Strip, Prepare and Terminate Any AQ Cable

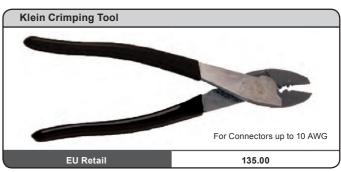




















Instant Tool-less Connectors (ITC)

ITC-24, ITC-18







ITC-18

Can be used with most 18 AWG RG-6 size coax cables with OD between 6.0mm and

7,2111111.	
	Gold
ITC-18G/RCA	TC. 18CMCA
Part Number:	EU Retail
68-010-53	175.00/50 (3.50 Each)
ITC-18G/BNC	Trough ! K
Part Number:	EU Retail
68-011-53	200.00/50 (4.00 Each)
ITC-18G/F	Toget (
Part Number:	EU Retail
68-009-53	100.00/50 (2.00 Each)
ITC-18G EU/ Coax M	Conso our
Part Number:	EU Retail
68-013-53	175.00/50 (3.50 Each)
ITC-18G EU/ Coax F	To the part
Part Number:	EU Retail
68-012-53	175.00/50 (3.50 Each)

ITC-18

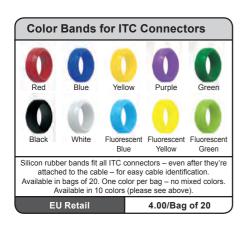
Can be used with most 18 AWG RG-6 size coax cables with OD between 6.0mm and

Nickel		
ITC-18N/BNC		
Part Number:	EU Retail	
68-011-04	175.00/50 (3.50 Each)	
ITC-18N EU/ Coax M	The state of the s	
Part Number: 68-013-04	EU Retail	
	150.00/50 (3.00 Each)	
ITC-18N EU/ Coax F	Today Eur	
Part Number:	EU Retail	
68-012-04	150.00/50 (3.00 Each)	

ITC-24

Can be used with 24 AWG ITC-based coax

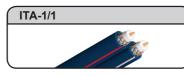
cables made by AudioQuest.		
Gold		
ITC-24G/RCA	Towards	
Part Number:	EU Retail	
68-002-53	175.00/50 (3.50 Each)	
ITC-24G/BNC	Constant of the second of the	
Part Number: 68-003-53	EU Retail	
	200.00/50 (4.00 Each)	
ITC-24G/F	Tropadi	
Part Number:	EU Retail	
68-001-53	100.00/50 (2.00 Each)	
	Nickel	
ITC-24N/BNC		
Part Number:	EU Retail	
68-003-04	175.00/50 (3.50 Each)	





CL3/FT4 Analog-Audio, Mini-Coax & RG-6 Cables on Spools

ITA: 2 Channel Audio (Easy Pull-Apart) Instant Tool-less Audio – Use ITC-24







Center Conductor Metal Solid LGC		Solid PSC	Solid PSC+
Neg. Conductor/Shield	LGC HyperLitz	PSC HyperLitz	PSC+ HyperLitz
CL3/FT4 Jacket	Blue (Pair)	Green (Pair)	Dark Gray (Pair)

Length	
15m Spool	
76m Spool	
152m Spool	

	EU Retail	EU Retail	EU Retail
	105.00 (7.00/m)	N/A	N/A
	532.00 (7.00/m)	1,064.00 (14.00/m)	1,672.00 (22.00/m)
)	1,064.00 (7.00/m)	N/A	N/A

HD6: 18 AWG 75 Ω Cables: Instant Tool-less Video, RF, Digital, Subwoofer – Use ITC-18







Center Metal	Solid Conductive-Coated Copper	Solid 0,5% Silver	Solid 5% Silver	
Shield	3-Layer Shield: Foil + 90% Braid + Foil	3-Layer Shield: Foil + 90% Braid + Foil	4-Layer Shield: Carbon-Loaded PE + Foil + 90% Braid + Foil	
	Dark Gray/White Stripes	Dark Gray/Green Stripes	Dark Gray/Black Stripes	
CL3/FT4 Jacket Color Choices:	White/Gray Stripes	White/Gray Stripes	White/Gray Stripes	
(Yellow/Gray Stripes	Green/Dark Gray Stripes	Black/Dark Gray Stripes	

Length	
76m Spool	
152m Spool	

EU Retail	EU Retail	EU Retail
N/A	N/A	1,254.00 (16.50/m)
418.00 (2.75/m)	1,254.00 (8.25/m)	N/A

CL3/FT4 Analog-Audio Cables on Spools

Analog-Audio Cables: Balanced (XLR) or Single-Ended (RCA)







Metal	Solid Long-Grain Copper (LGC) Solid Perfect-Surface Copper (PSC)		Solid Perfect-Surface Copper+ (PSC+)
Geometry	Double-Balanced Triple-Balanced (Separate G		round-Reference Conductor)
Dielectric	Hard-Cell Foam		
Noise-Dissipation System	Metal-Layer Noise-Dissipation System (NDS)		Carbon-Based 3-Layer NDS
Jacket	Black/Green Braid or CL3/FT4 PVC Black/Red Braid or CL3/FT4 PVC		Black/Brown Braid or CL3/FT4 PVC

Length
Per Meter
50m Spool
100m Spool

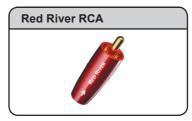
EU Retail	
5.00	
N/A	
500.00	

EU Retail	
10.00	
N/A	
1,000.00	

EU Retail	
20.00	
1,000.00	
N/A	

Field Termination Connectors







Cold-Welded, Hanging-Silver directly over pure Purple Copper **Terminations** Cold-Welded, Gold-Plated

Packs	
Set of 4	
10 Sets of 4	









Rivers Interconnect Crimping Tool required. See page 58 for details.





Terminations Cold-Welded, Gold-Plated

Cold-Welded, Hanging-Silver directly over pure Purple Copper

Packs	
Set of 4	
10 Sets of 4	

EU Retail	
99.00	
990.00	

EU Retail	
129.00	
1,290.00	

To download Chicago and Red River/Mackenzie cable termination manuals, go to http://www.audioquest.com/custom-install/manuals/

CL3/FT4 Custom-Installation Cables on Spools

SLiP-DB In-Wall Speaker Cables: CL3/FT4



+ 14/2











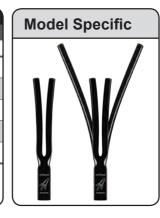


Metal	Semi-Solid Concentric Packed Long-Grain Copper (LGC)				
Gauge	2 x 16 AWG (1,31mm²)	2 x 16 AWG (1,31mm²)			
CL3/FT4 Jacket	PVC White/Silver Stripe or Gray/Red Stripe				
Foot Markers	Sequentially Numbered 1-500 ft. (showing how many feet remaining)				
Length	EU Retail EU Retail EU Ret				
152m Spool	494.00 (3.25/m)	836.00 (5.50/m)	646.00 (4.25/m)	1,216.00 (8.00/m)	

Termination "Pants" for Speaker Cables

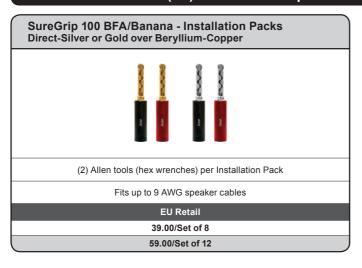
Single-BiWire Part Number: N/A N/A 68-100-21 68-101-21 68-102-21

	Model Specific	
	Full-Range	Sing
Model	Part Number:	Part
Type 2	68-095-01	
Type 4	68-096-01	
Rocket 33	68-100-01	68
Rocket 44	68-101-01	68
Rocket 88	68-102-01	68
EU Retail	13.50/Set of 4	13.5



Installer ("i") Series SureGrip® 100 BFA/Banana & Multi-Spade Connectors

13.50/Set of 4





CL3/FT4 Custom-Installation Speaker Cables on Spools

Solid-Conductor HyperLitz: CL3/FT4







Metal	Solid Long-Grain Copper (LGC) Solid PSC+		Solid PSC+
Gauge	16 AWG (1,31mm²)	15 AWG (1,65mm²)	
Geometry	Star-Quad Star-Quad		
Dielectric	Foamed-Polyethylene (For All Positive Conductors)		
Noise-Dissipation System	No	No Crosstalk-Dissipation System	
CL3/FT4 Jacket	PVC: Dark Gray or Off-White	PVC: Black/Blue Stripes or Off-White	PVC: Black/Brown Stripes
Single-BiWire Capable	No		
Foot Markers	Sequentially Numbered 1-164 or 1-328 ft. (showing how many feet remaining)		

EU Retail	12.50/m	20.00/m	55.00/m
Spool Size	100m	100m	50m

CL3/FT4 Rated & Braided Rocket Series Speaker Cables on Spools







Metal	Semi-Solid True-Concentric LGC	Semi-Solid True-Concentric PSC / LGC	Solid PSC / LGC
Gauge	16 AWG (1,31mm²)		14 AWG (2,08mm²)
Geometry	Double-Spiral		Double Star-Quad
Dielectric	PVC		Foamed-Polyethylene (For All Positive Conductors)
Noise-Dissipation System	No		Carbon-Based Noise- and Crosstalk-Dissipation System
Jacket	CL3 PVC Please Specify: Black or White/Gray Stripes	CL3 PVC Please Specify: Black or White/Blue Stripes	Please Specify – Braid: Black/Red or CL3 PVC: Black/Red Stripes
Single-BiWire Capable	Yes		
Foot Markors	Sequentially Numbered 1.30, 1.164 or 1.328 ft (Showing How Many East Pemaining)		

EU Retail	15.00/m	25.00/m	35.00/m
Spool Size	50m or 100m	50m or 100m	50m or 100m





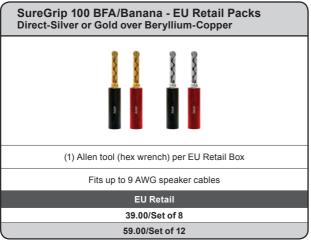
Metal	Solid PSC+ / PSC	Solid Perfect-Surface Copper+ (PSC+)
Gauge	13 AWG (2,63mm²)	
Geometry	Double Star-Quad	
Dielectric	Foamed-Polyethylene (For All Positive Conductors)	
Noise-Dissipation System	Carbon-Based Noise- and Crosstalk-Dissipation System	
Jacket	CL3 PVC: Matte Black/Shiny Black Stripes Braid: Black/Silver	CL3 PVC: Black/Green Stripes Braid: Black/Green
Single-BiWire Capable	Yes	
Foot Markers	Sequentially Numbered 1-164 or 1-328 ft. (showing how many feet remaining)	

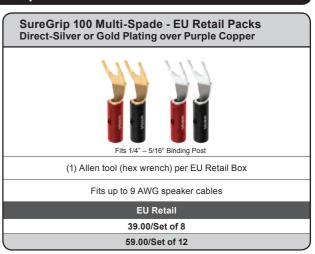
EU Retail	70.00/m	110.00/m
Spool Size	50m	50m

Connectors

SureGrip® 100 BFA/Banana & Multi-Spade Connectors







For SureGrip 100 BFA/Banana & Multi-Spade Connectors installer packs, see page 62.

SureGrip 300 BFA/Banana & Spade Connectors: Direct-Silver Plated (S) & Direct-Gold Plated (G)

SureGrip 300 Multi-Spade





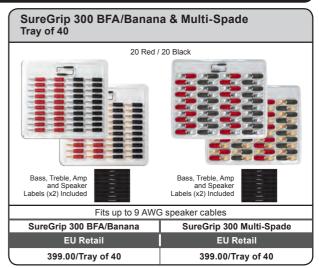


EU Retail

Black Labels Included

39.00/Set of 4

SureGrip 300 BFA/Banana

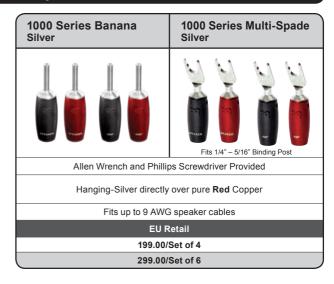


500 and 1000 Series Banana & Multi-Spade Connectors



Included





Installer ("i") Series HDMI Adaptors, Couplers and Wall Plates in Packs of 5 (No EU Retail Packaging)

HDMI/i Series: For Specifications See Packaged Cables Elsewhere in This Price Book









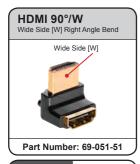
Length
0.6m
1.0m
1.5m
2.0m
3.0m
4.0m
5.0m

EU Retail (Each Cable)
27.50
29.00
35.00
39.00
55.00
89.00
109.00

EU Retail (Each Cable)	
39.00	
49.00	
59.00	
69.00	
99.00	
129.00	
149.00	

EU Retail (Each Cable)
69.00
75.00
95.00
109.00
139.00
189.00
219.00

EU Retail (Each Cable)	
99.00	
109.00	
129.00	
149.00	
199.00	
259.00	
319.00	







EU Retail 1	16.50 Each
-------------	------------



EU Retail	16.50 Each



EU Retail	16.50 Each



"i" Series Cables Installer Packs (No EU Retail Packaging)

Time, space, and money ... all finite resources for any installer, all of which are conserved with AQ's iPacks. These 5-packs of cables ship with no retail packaging, take up less space on the truck and reduce waste to dispose of on the job. iPacks save a bit of money too, and each bag includes easy-to-remove stickers that offer an immediate visual inventory of how many cables are left in the bag, and assist in billing for each and every cable installed in a job. iPacks are an installer's best friend.









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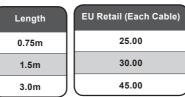


Length	EU Retail (Each Ca
0.75m	27.50
1.5m	29.00
3.0m	49.00
5.0m	69.00

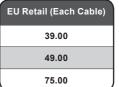
EU Retail (Each Cable)
42.50
52.50
75.00
109.00

EU Retail (Each Cable)
82.50
99.00
129.00
175.00









Optical/i Cinnamon	
CHANGE	
Full F	ull)

EU Retail (Each Cable)	
69.00	
85.00	
119.00	









0,6m: available in RCA ↔ RCA only.

1,0m, 2,0m & 3,0m: available in RCA ↔ RCA, 3,5mm ↔ RCA and 3,5mm ↔ 3,5mm.

Length	EU Retail (Each Cable)			
0.6m	25.00			
1.0m	27.50			
2.0m	32.50			
3.0m	39.00			

"i" Series Cables Installer Packs (No EU Retail Packaging)



Length	EU Retail (Each Cable)
0.2m	47.00
0.4m	51.00
0.6m	54.00
0.9m	59.00



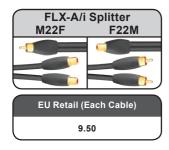
EU Retail (Each Cable)	
62.00	
68.00	
74.00	
79.00	





EU Retail (Each)	EU Retail (Each)
7.50	7.50

For C7 90° adaptors in retail packaging, see page 51.





For more information, visit www.audioquest.com