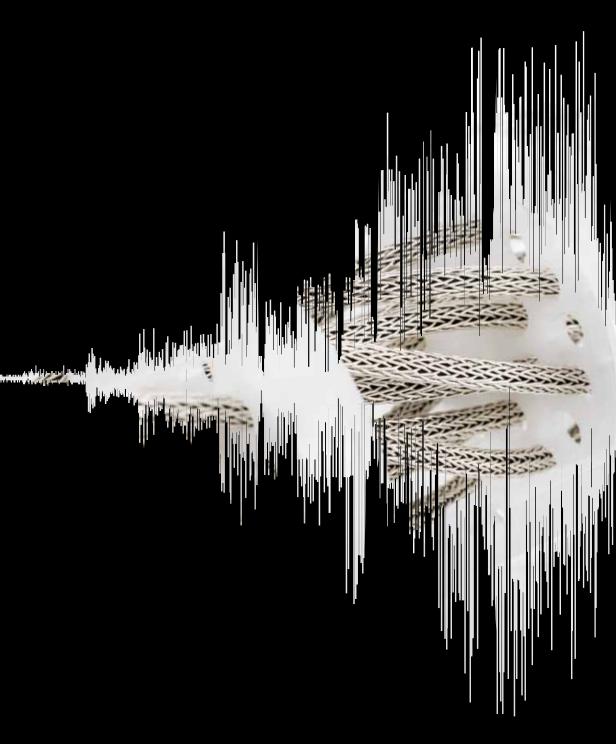
# REFERENZ SELECTION

HANDMADE CABLES



# inakustik

KABEL | LAUTSPRECHER | MUSIK



# SENSES



# REFERENZ SELECTION

True sound experiences captivate, give you goosebumps or move you to tears. But only cables that have been perfected down to the last detail are able to transport this truly sensuous pleasure without interference. We at in-akustik are pioneers in perfect signal transmission, helping to convey the finest nuances that appeal to all senses. We put passion, ambition and love into the development and production of our cables, which are known throughout the world for outstanding quality. The ultimate proof for this is Referenz Selection. Dynamics, power and precision cannot be more clearly sensed with any other product range. That's why these cables are only available in select specialised stores.

"A stroke of genius that also shows the competitors the limits. | Processing: outstanding" Audio 12-2018 | LS-1204 AIR

> Background Our Philosophy 8 Key Technologies Speaker Cables Cable Bases 29 Gel Absorber **BiWire Jumper** Audio Cables Digital Cabel 39 Phono Cable 40 Mains Cable 42 Power Station 44 46 Product Overview



Hany elaborate separation processes are needed to make conductive copper from copper ore. For Referenz Selection, only highly pure batches are used.

# PERFECT SOUND BEGINS IN THE MINE

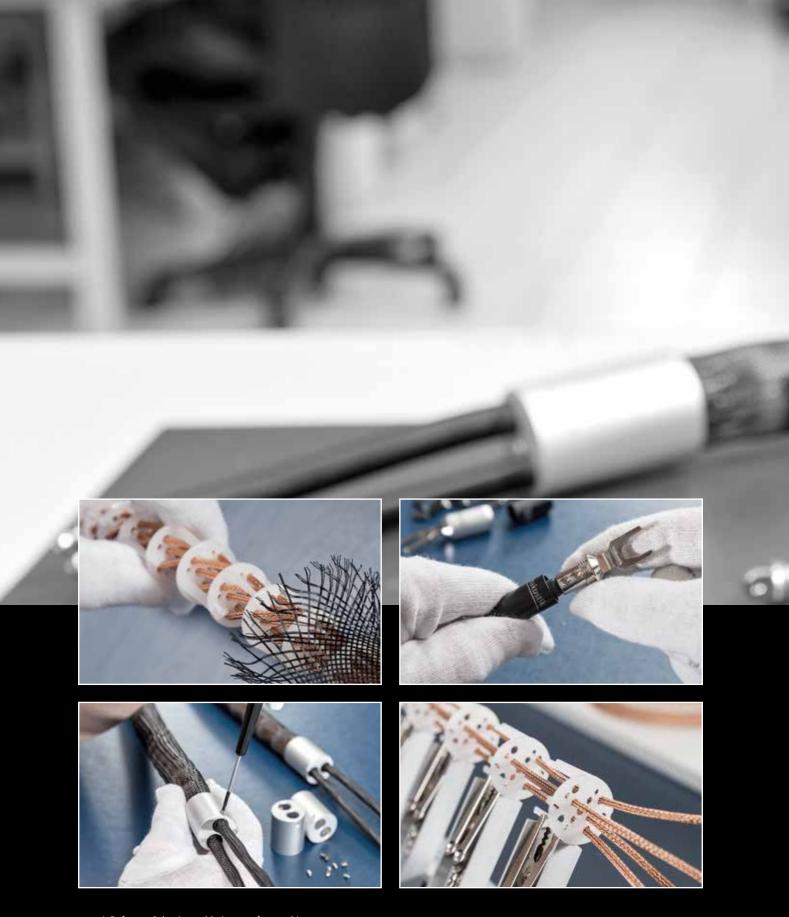


It is a long way from the sound source to the ear. It starts somewhere in the world in one of the mines in which copper ore is mined. From there the material is delivered to Germany, liquefied in melting pots in copper smelting plants in northern Germany and separated from impurities like phosphorus and iron. Only then is it poured into bars. But the raw copper is not yet suitable for electronic applications.

In order to create the purest possible, most conductive copper, the valuable raw material must first be placed in an electrolysis bath. The oxygen-free copper is again melted down, poured into a copper wire approximately 10 millimetres thick and wrapped into coils. In strict quality control tests, material samples are then examined and sorted according to their purity.

For Referenz Selection, only select, highly pure batches are used. Only after this pure material is found in elaborate processes is the copper drawn to the required diameter in several stages in the wire-drawing mill and later provided with our DUO-PE II insulation in a German cable mill. After that it is stranded with air-filled PE tubes and enveloped with the PE network jacket. And after all of this has happened, it comes to us – to in-akustik in Ballrechten- Dottingen – for the final steps and finishing.

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A Referenz Selection cable is manufactured in many manual steps that are often meticulous and elaborate.

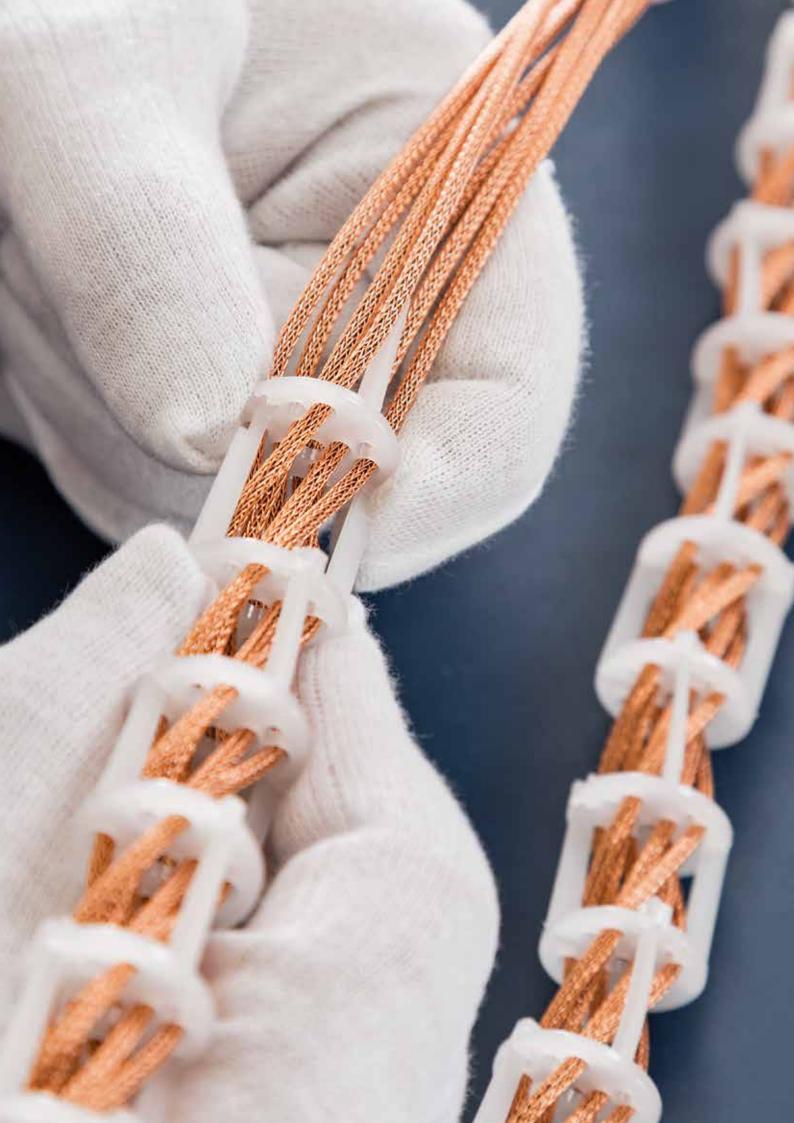


# HANDMADE



We have long set the bar very high in regard to quality, because cables and connections are extremely sensitive. Physical phenomena that arise during the transmission of signals can only be controlled with technical finesse and the best materials. For this reason all cables are manufactured in a German cable mill and finished by us in Ballrechten-Dottingen in elaborate manual work. Some production steps are carried out in close cooperation with the Caritas workshops in our neighboring town Heitersheim.

For our Referenz Selection cables, we also offer an after sales service. For technical questions regarding the product or the right cable connection, please contact our support team directly. You can contact our experts Monday to Friday from 9–12 a.m. and 13–17 p.m. on the telephone number +49 (0) 7634 5610-70. In addition, we grant to all Referenz Selection cables extended warranty to 5 years. Please follow the instructions on the warranty card supplied with the product.



# PHYSICS NOT VOODOO



In physics lessons they taught us that an electric circuit only needs two wires – one for positive and one for negative. The lamp lights up and everything's fine. A standard lamp isn't any brighter or an iron any hotter if it has a different lead.

However, there are crucial differences between simply supplying power and highly complex information transfer. A loudspeaker cable is great example of this. It has to carry both energy and information. Loudspeakers can also be moody little beasts, with a very dynamic electrical life of their own. They behave

differently for every tone and volume and have to be constantly kept in check by the amplifier. This means the signal on a loudspeaker cable is a jumble of tiny to huge levels, alternating current and voltage of different frequencies and phase levels. To faithfully transmit the extremely fine details that define sound and space and give the music feeling, the cable has to metaphorically keep the speaker as close as possible to the amplifier.

Elsewhere in the hi-fi chain, cables have to deal with other phenomena and overcome different challenges. This means the cables must be designed differently so that the system doesn't just sound good, but the components are able to perform at their very best.

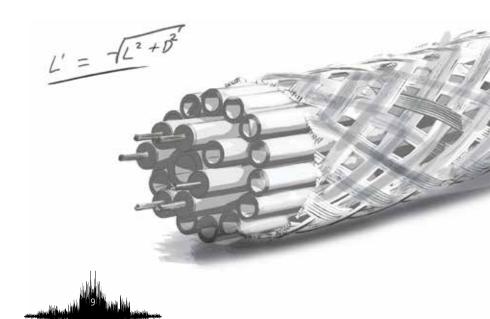
What must these cables be like? A more detailed look at the electronics literature reveals that two simple wires are not enough. Cables act like filters that have to be tuned.

However, it's a long way from theoretical models and sketches to actual products. Samples are manufactured and optimised. Materials, design and manufacturing processes are coordinated, and tools and test equipment are built. Because we have our own cable factory and produce in-house, we can try out the craziest and most innovative ideas. This means we have built up plenty of expertise and experience over the years. Now, we can develop components using 3D CAD.

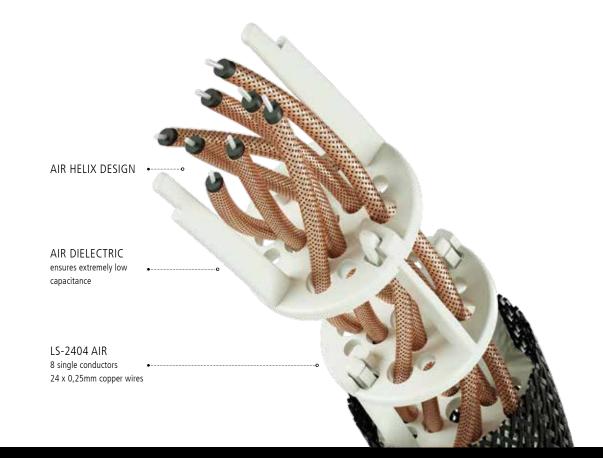
All this has led to another milestone in the history of our developments: the Air-Helix.

adjourna

Holger Wachsmann Product development



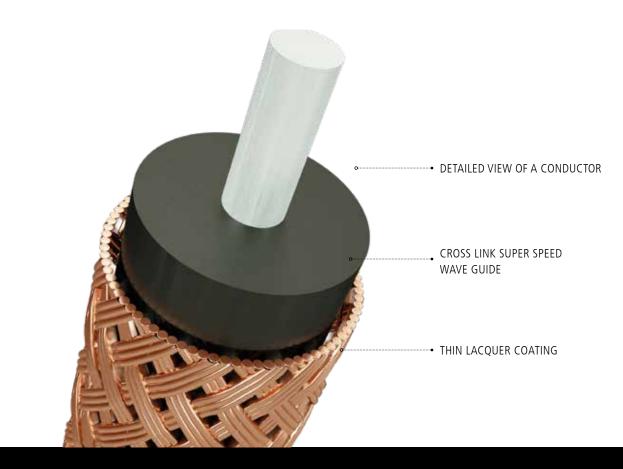
# "A REAL INNOVATION IN CABLE DESIGN" STEREO 09-2015



# WHOLLY UNIQUE AIR HELIX DESIGN

The air-helix construction is wholly unique. We have developed a special clip to ensure air insulation that is as close to perfection as possible. A large number of these clips form the supporting structure on the inside of the cable. This holds the signal conductor free in the air in a helix form and guides it through the cable at defined intervals. The flexibility of this construction is attained with two bridges that hold the clips together evenly and at exact intervals. The Cross Link Super Speed waveguides are threaded and fitted with clips by hand with extreme care in our own manufacturing unit. Afterwards the air-helix created in this manner is given its PE network jacket – again by hand. Finally the rhodium-coated plugs are fitted and the cable function is tested



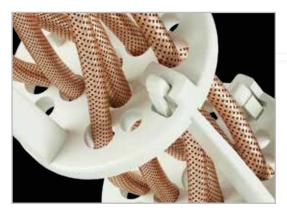


# MAKE WAY CROSS LINK SUPER SPEED WAVE GUIDE

The conductors themselves of course also play a major role. The LS-4004 AIR and LS-2404 AIR are made of 24 highly pure copper wires braided on a PE core. An exceedingly thin coating layer on the wires prevents eddy currents inside this Cross Link Super-Speed Waveguide – the rigorous further development of the super-speed waveguide. This conductor is also used in the NF-2404, but it is considerably more effective in the LS-2404 AIR. The reason for this is that by far the largest currents in the entire audio chain flow through the loudspeaker cables. Part of the correspondingly strong magnetic fields are already compensated by the eight wires on their own. This is ensured by the braided and therefore opposed stranding of the individual wires. Their wafer-thin lacquer coating insulates the wires from each other. The structure ensures greater stability and "peace" in the conductor.

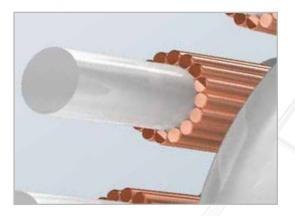
# TECHNOLOGY IN ITS FINEST FORM

# DOUBLE LAYER MULTICORE



The finding that the loudspeaker cable should primarily have a low inductivity has been optimally implemented in the LS-2404 AIR: The two-layer arrangement of the double-layer multicore allows the conductors to overlap and neutralise the magnetic fields that arise around the individual conductors. This considerably reduces the inductivity of the cable and also allows the high sound frequencies to be transferred without hindrance or time delays.

# SUPER SPEED & HIGH SPEED WAVE GUIDE



As the frequency rises, the signal increasingly flows on the conductor surface. The higher the frequency, the lower the effective cross-section, and the greater the resistance. The cable sounds "bass-heavy". The conductors from the Referenz speaker cable have a core made of polyethylene. In this way a circular waveguide is formed and the actual cross-section used is the same for all sound frequencies. On the Super Speed waveguides, a layer of lacquer insulates the copper wires from each other and prevents unwanted eddy currents. The result: a homogeneous, balanced speaker cable with a wide-ranging sound spectrum.

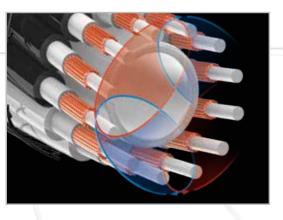
### PE-NETWORK JACKET



The tightly fitted PE network jacket holds the wires close together and reduces micro-vibrations that arise in the cable from the changing magnetic fields caused by the beat of the music. The cable therefore also transmits high levels and extreme dynamic peaks with absolute precision.

# 

# MULTICORE



The flow of current causes magnetic fields to be created in the cable, leading to a partial loss of power. High frequencies are slowed down – and time lag is created between low and high sound frequencies. The circular arrangement of several wires around the polyethylene support causes the magnetic fields of plus and minus conductors to overlap and neutralise each other. The high sound frequencies are transported unhindered and synchronously.

### COPPER



The transmission of acoustic signals is susceptible to many different types of interference: resistance, inductance, capacitance, conductance of the insulation and skin effect have a negative influence on the sound. The conductor material is also very significant. Because every contamination in the conductor material prevents the flow of current, impairing the conductance and increasing the background noise. That's why we use only especially pure, oxygen-free copper (OFC) with a high conductance in our Referenz cables.

# SILVER



Copper of the appropriate purity is a very good conductor. A superconductor that does not resist the current would be perfect. However, the superconducting properties of the material require low temperatures of at least minus seventy degrees. Silver is currently the most conductive material under real conditions. At 61.35 S/m (Siemens per meter), its conductivity is about six percent better than that of copper. The electrons move 1.5 times faster than in a copper conductor! However, the precious metal is about 100 times more expensive.

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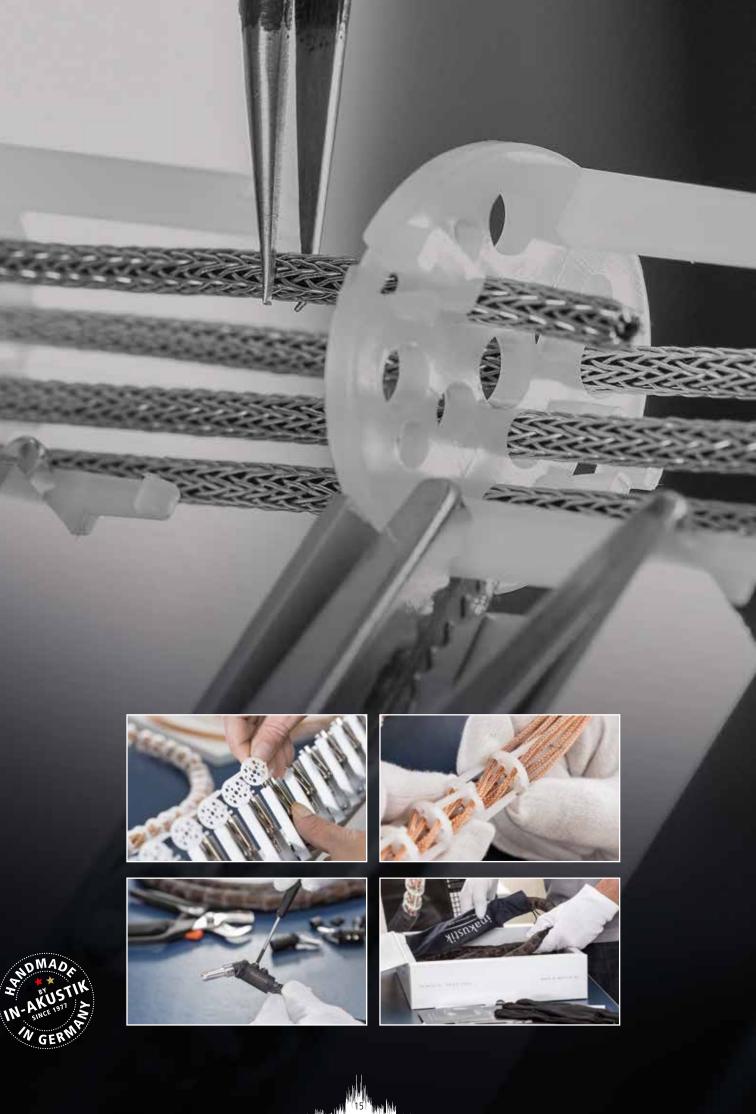
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# SPEAKER CABLE

1

A heavenly CD by legendary artists. Listen and adore. If only it was that easy. By the time the first note reaches your ear, it has travelled a long way. The longest leg being between amplifier and speaker, with any number of obstacles. The signals are vulnerable to many distortions. We can prevent this. Ingenious conductor engineering, complex shielding and only the best materials. And we can also confirm this with independent test results from throughout the world.

 "It's difficult to describe – you have to experience it yourself. Or to put it in terms of money, a hi-fi combination worth €20,000 can be improved by 20% simply with the LS-2404 AIR. That amounts to an extraordinary value." Stereoplay 01-2017



# REFERENZ LS-4004 AIR PURE SILVER

The AIR technology is a milestone in our more than 40-year company history and is causing a worldwide sensation in the hi-fi industry. The approach sounds relatively banal: Physical losses must be minimized in order to transmit the original music signal as unchanged and neutral as possible. And AIR technology comes closer than ever to lossless transmission. It leads to significantly better sound reproduction, which is not only subjectively audible, but also objectively measurable. The insulation or dielectric of the AIR cables is almost perfect thanks to the air insulation and hardly influences the sound any more. The construction, dimensions and arrangement of the conductors are optimized and fully exploit what is physically feasible.

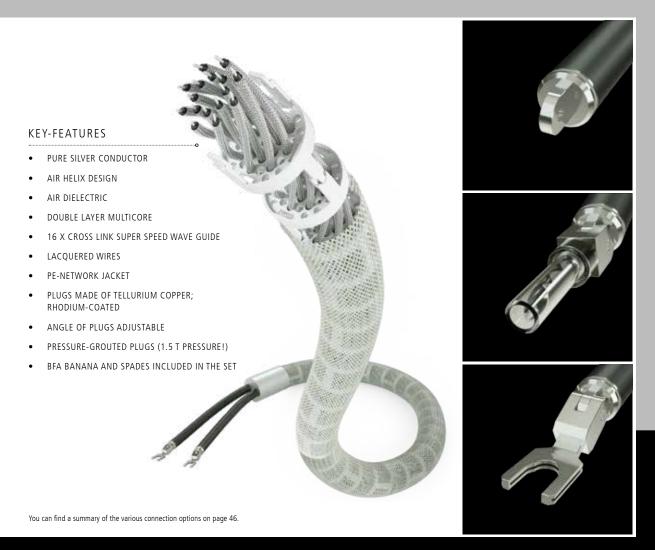


your forearm and a real statement piece that's very hard to beat in terms of appereance, workmanship, and, of course, sound quality. The serpent destined to entice high end users who enjoy lingering in the garden of good listening [...] but rather one of the best speaker cables money can buy.





In order to set another sonic highlight on this basis of audiophile perfection, we have now focused on the conductor material of the cables. Copper of the appropriate purity is a very good conductor. A superconductor that does not resist the current would be perfect. However, the superconducting properties of the material require low temperatures of at least minus seventy degrees. Silver is currently the most conductive material under real conditions. At 61.35 S/m (Siemens per meter), its conductivity is about six percent better than that of copper. The electrons move 1.5 times faster than in a copper conductor. However, the precious metal is about 100 times more expensive.



### THE CONDUCTORS

Of course, the conductors themselves also play an important role. They consist of 24 high-purity silver wires braided onto a PE core. A wafer-thin varnish layer on the wires prevents eddy currents within this "Cross Link Super Speed" waveguide. By far the largest currents in the entire audio chain flow through the loudspeaker cable. Some of the correspondingly strong magnetic fields are compensated in the conductors themselves by the bifilar arrangement of the wires. The wafer-thin lacquer layer additionally protects the wires from oxidation. The LS-4004 AIR PURE SILVER is the optimal solution for the realization that loudspeaker cables should primarily have a low inductance: Due to the two-layer arrangement of the double layer multicore, the magnetic fields around the individual conductors overlap and neutralize each other. This considerably reduces the inductance of the cable and also the high audio frequencies are transported unhindered and without time delay.

### EXPAND THE LIMITS

Theoretically, the copper cross-section could simply be increased. However, this would require considerable compromises in cable construction, which would ultimately have a negative effect on the sound. That is why we have decided to deliberately disregard the costs and instead consistently expand the limits of what is feasible once again. The result is a combination of the legendary AIR Helix construction and the associated air insulation (the best possible dielectric in addition to the vacuum) with the best conductor material in the form of pure silver - instead of, for example, alloyed or merely silver-plated wires. The high quality sound of the outstanding AIR-Silver cables now sets new standards in the highend sector.

# REFERENZ LS-2404 AIR PURE SILVER

The LS-2404 Pure Silver has the same features as the flagship LS-4004 AIR Pure Silver. The only difference is the number of conductors - cable construction, design as well as the physical approach are identical: Physical losses must be minimized in order to transmit the original music signal as unchanged and neutral as possible. And AIR technology comes closer than ever to lossless transmission. It leads to significantly better sound reproduction, which is not only subjectively audible, but also objectively measurable. The insulation or dielectric of the AIR cables is almost perfect thanks to the air insulation and hardly influences the sound any more.

### **KEY-FEATURES**

- PURE SILVER CONDUCTOR
- AIR HELIX DESIGN
- AIR DIELECTRIC
- DOUBLE LAYER MULTICORE
- 8 X CROSS LINK SUPER SPEED WAVE GUIDE
- LACQUERED WIRES
- PE-NETWORK JACKET
- PLUGS MADE OF TELLURIUM COPPER; RHODIUM-COATED
- ANGLE OF PLUGS ADJUSTABLE
- PRESSURE-GROUTED PLUGS (1.5 T PRESSURE!)
- BFA BANANA AND SPADES INCLUDED IN THE SET





You can find a summary of the various connection options on page 46.



# REFERENZ LS-1204 AIR PURE SILVER

With the LS-1204 AIR Pure Silver, the entry-level model in AIR technology is now also available as a pure silver cable. The design, the dimension and the arrangement of the conductors correspond to the copper version of this cable - the LS-1204 AIR. As with the LS-4004 AIR Pure Silver and LS-2404 AIR Pure Silver, we have optimized the conductors. Pure silver is used as the conductor material. Silver is currently the most conductive material under real conditions. At 61.35 S/m (Siemens per meter), its conductivity is about six percent better than that of copper. The electrons move 1.5 times faster than in a copper conductor!

### **KEY-FEATURES**

- PURE SILVER CONDUCTOR
- AIR HELIX DESIGN
- AIR DIELECTRIC
- 4 X CROSS LINK SUPER SPEED WAVE GUIDE
- LACQUERED WIRES
- PE-NETWORK JACKET
- PLUGS MADE OF TELLURIUM COPPER; RHODIUM-COATED
- PRESSURE-GROUTED PLUGS (1.5 T PRESSURE!)



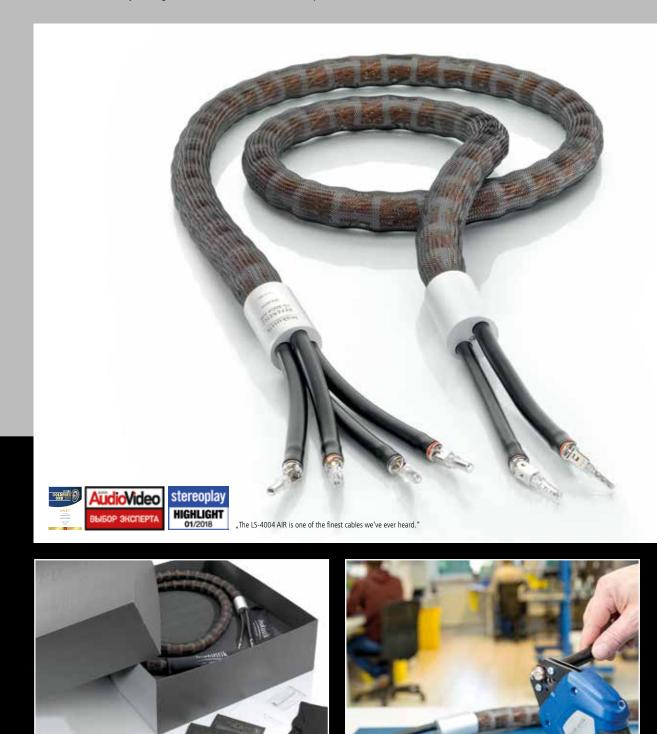
You can find a summary of the various connection options on page 47.

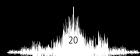




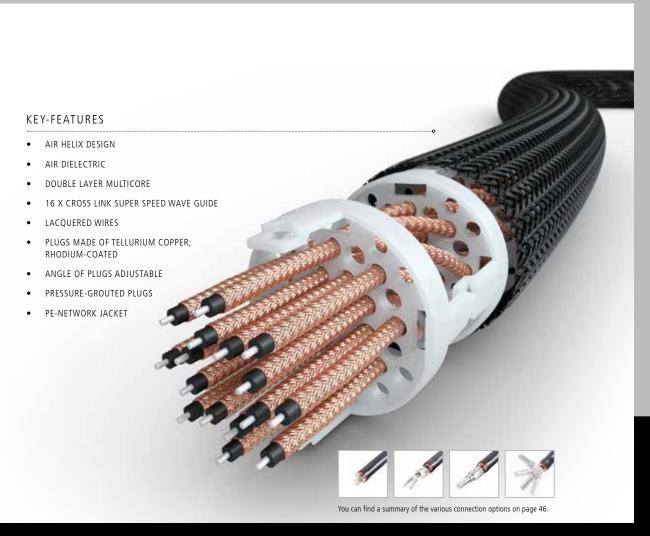
# REFERENZ LS-4004 AIR

With the Referenz LS-4004 speaker cable, we continue the incredible story of their Air Helix technology: To achieve perfect air insulation, the new cable uses no less than 16 Cross Link Super Speed waveguides (rather than eight as with the Referenz Air Helix LS 2404). Obviously, the individual conductors themselves play a key role, too. With the LS-4004, too, these are made of 24 high-purity copper wires, each with a razor-thin lacquer coating for extra insulation and braided around a PE core. This design considerably increases stability inside the waveguide by effectively preventing the formation of eddy currents. (These are caused by the very high currents transmitted on the speaker cables - actually the highest ones within the entire audio path.)





The LS-4004 AIR is a perfect example of a low-inductance speaker cable: The double-layer multicore design leads to a neutralization of overlapping magnetic fields around the individual conductors. This considerably reduces cable inductance, ensuring that all frequencies are transmitted freely and without any latency. Plus a full range of connector options offers maximum flexibility.



### THE PLUGS

We have opted for tellurium copper as the plug base material rather than brass. This is because tellurium copper offers twice the conductivity. Each plug comprises a basic terminal with a spade or BFA banana adapter laterally threaded to it. This connector design provides maximum flexibility with regard to adjusting the angle between the cable and the connector and also mitigates the effects of mechanical forces acting on both the cable and the connector including their contact interfaces. The connector surfaces are rhodium-coated because this extremely robust material ensures optimum contact even after many mating cycles.

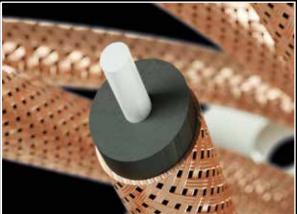
### A ROCK-SOLID CONSTRUCTION

Between the aluminum splitter and the connectors of the LS-4004 AIR, we have implemented ultra flexible parts molded from a special elastomer. These parts are fixed inside the splitter using a specifically designed plastic plug, thus ensuring maximum cable flexibility even in the connector region. Those molded parts extend to the connector front and enclose the inner connector components, thus emphasizing the plain yet charming appearance of the LS-4004 AIR. The aluminum splitters are screwed tightly with the first clip in the cable. In summary, this creates a visually appealing and mechanically reliable design - consistent from the connectors on the amplifier side to their counterparts on the speaker side.

# REFERENZ LS-2404 AIR

The new Reference LS-2404 AIR loudspeaker cable combines the outstanding qualities of its predecessor – the LS-2404 – and the almost legendary NF-2404 audio cable. This has resulted in a loudspeaker cable that not only has the all-important low inductivity necessary for its application, but also low capacity values and low dielectrical losses. Interdependencies have been reduced and the amplifier can function in a more detached manner. Even if this may seem paradoxical: Thanks to the innovative air insulation, high fidelity becomes a simply breath-taking sound experience with this cable.





### CROSS LINK SUPER SPEED WAVE GUIDE

The conductors themselves of course also play a major role. The LS-2404 is made of 24 highly pure copper wires braided on a PE core. An exceedingly thin coating layer on the wires prevents eddy currents inside this Cross Link Super-Speed Waveguide – the rigorous further development of the super-speed waveguide. This conductor is also used in the NF-2404, but it is considerably more effective in the LS-2404 AIR. The reason for this is that by far the largest currents in the entire audio chain flow through the loudspeaker cables. Part of the correspondingly strong magnetic fields are already compensated by the eight wires on their own. This is ensured by the braided and therefore opposed stranding of the individual wires. Their wafer-thin lacquer coating insulates the wires from each other. The structure ensures greater stability and "peace" in the conductor.

# REFERENZ LS-1204 AIR

In our quest to find true air insulation, we have certainly set standards with our Reference series for high end audio. Our unique Air Helix technology leads the way to unspoiled audio transmission. Now we have added two top notch Reference Air Helix cables for the high end audiophile that is on a budget. The LS-1204 AIR is for every aspiring music aficionado and they can benefit from this high tech design. Thanks to air insulation, enjoying hi-fi sound becomes literally a breath taking experience. References cables with our innovative Air Helix design has enthralled numerous high end enthusiasm around the world as well as the trade press.





### A STROKE OF GENIUS

"A stroke of genius that also shows the competitors the limits. Processing: outstanding" Audio | 12-2018

Built for interconnecting true "reference" high end devices they can certainly make more than just a small difference in the sound of best-in-class audio systems. The LS1204 AIR is tailored to the needs of many small but yet high end systems and the budget of their owners. Carefully crafted with outstanding properties, these cables help any high end system produce the perfect sound.

# REFERENZ LS-804 AIR

The unique AIR-technology from in-akustik impressively demonstrates what high-end cables can achieve in terms of sound. The German manufacturer is now expanding its Reference Selection Series with another top-class loudspeaker cable. For the entry into this class, the sophisticated Air technology is now available for the first time in a flat "ribbon" construction. The Air-Ribbon technology has made it possible to achieve an exquisite sound very efficiently by changing the cable architecture. In the new Reference LS-804 AIR speaker cable, four wires run flat and not helically next to each other, as in the Air Helix cables LS-1204, 2404 and 4004 AIR. In this way, the electrical parameters capacitance and inductance are yet again finely tuned to each other. The division into several smaller,







### IN ALL HONESTY A MASTERPIECE!

"There's no getting away from it:  $\in$ 1000 is a lot of money for a loudspeaker cable. But in our listening room we tested much more expensive cables that couldn't do what the LS-804 manages. The concept is fantastic, the sound is finely balanced and exceeds our expectations in every respect. In all honesty a masterpiece."

AUDIO 06-2019

separate conductors also reduces the skin effect. In conjunction with Air technology, i.e. the "omission" of insulation material, which would "absorb" part of the energy like a sponge, even the Reference LS-804 AIR is capable of following very fast impulses. The sophisticated details of the Air technology counteract unwanted cable effects and make it an extraordinary loudspeaker cable. Especially with less monumental amplifiers, the LS-804 AIR harmonizes perfectly and provides relaxed music enjoyment.





### ELECTROSTATICS AND CAPACITY

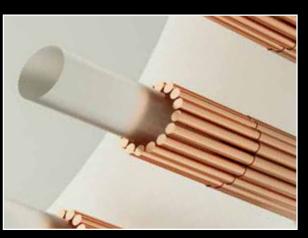
If you take off a sweater with a high synthetic content it crackles and sparks. The reason for this is that the integrated plastic material stores electrical energy, which is then discharged again. The same happens in the insulation material of a cable. It "absorbs" electrical energy like a sponge and then releases it again. With an audio cable, however, these are parts of the audio signal. A dimension for this is the cable capacity, i.e. the unwanted storage capacity of the cable. While capacitors are supposed to store energy and have a correspondingly high capacity, the capacity of the cable should be as low as possible. It significantly influences the transmission characteristics through losses and also leads to interactions with the connected electronics. The ideal solution is therefore an air insulation such as the one implemented with the Air-Technology, as this separates the "capacitor plates" of the cable and thus reduces the capacitance.

# REFERENZ LS-2404

In addition to the waveguide design (third Generation LS-1603 & LS-1203), where the individual copper wires are arranged around a polyethylene core, in the fourth generation the copper wires are lacquered as insulation from each other. This prevents chaotic and undefined contact between the copper wires, which might otherwise lead to uncontrolled eddy current. As well as this, the new cables are characterised by extremely low inductivity. A total of 24 Super Speed waveguides are wound through the LS-2404. They form a multi-core structure where the magnetic fields of the forward and return conductors caused by the signal current cancel each other out, thus significantly reducing unwanted inductivity.







### SUPER SPEED WAVE GUIDE

As the frequency rises, the signal increasingly flows on the conductor surface. The higher the frequency, the lower the effective cross-section, and the greater the resistance. The cable sounds "bass-heavy". The conductors from the Referenz speaker cable have a core made of polyethylene. In this way a circular waveguide is formed and the actual cross-section used is the same for all sound frequencies. On the Super Speed waveguides, a layer of lacquer insulates the copper wires from each other and prevents unwanted eddy currents. The result: a homogeneous, balanced speaker cable with a wide-ranging sound spectrum.

# REFERENZ LS-1603 SILVER

The LS-1603 Silver controls all facets of the sound spectrum: from the subtle symbol clash of a jazz percussionist to the sententious voice of a female soul singer to the roaring final chord of a symphony orchestra. The basis for this is the specially developed high-speed waveguide technology. Oxygen-free copper (OFC) wires are wrapped around a polyethylene core and provided with the proven DUO-PE II insulation. The LS-1603 Silver has 16 of these high-speed waveguides, which are finely tuned to each other and stranded in groups around a polyethylene support (16-fold multicore).





### SILVER PLATED CONDUCTORS

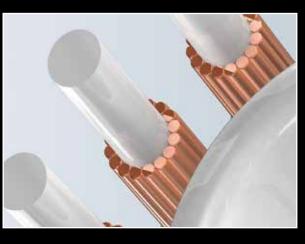
To augment the high-speed waveguide conductor design, the surface of each individual copper wire is silver-plated. This is a more conductive material for high frequencies that are carried on the conductor surface due to the skin effect, and the complex music signal is carried with less loss. This is yet another fine-tuning for crystal clear sound.

# REFERENZ LS - 1603

For Referenz Selection cables, the focus is on neutrality in addition to technical finesse. Sounds are reproduced unaltered. As with the LS-1603. It controls all facets of the sound spectrum: from the subtle symbol clash of a jazz percussionist to the sententious voice of a female soul singer to the roaring final chord of a symphony orchestra. The basis for this is the specially developed high-speed waveguide technology. Oxygen-free copper (OFC) wires are wrapped around a polyethylene core and provided with the proven DUO-PE II insulation. The LS-1603 has 16 of these high-speed waveguides, which are finely tuned to each other and stranded in groups around a polyethylene support (16-fold multicore).



You can find a summary of the various connection options on page 47.



### HIGH SPEED WAVE GUIDE \*

As the frequency rises, the signal increasingly flows on the conductor surface. The higher the frequency, the lower the effective cross-section, and the greater the resistance. The cable sounds "bass-heavy". The conductors from the Referenz speaker cable have a core made of polyethylene. In this way a circular waveguide is formed and the actual cross-section used is the same for all sound frequencies.

### HIGH POWER MANAGEMENT \*\*

The signal current produces magnetic fields around each conductor, which pulse in time with the music. If the conductors have not been stabilised, microvibrations occur. The tightly fitted PE-Network Jacket holds the wires close together and reduces microvibrations. Even at high volumes, the cable transmits extreme dynamic peaks with absolute precision.

# REFERENZ CABLE BASE

The Referenz Cable bases are specifically designed cabling-support systems for the finest stereo systems. The base incorporates absorber gel, too, plus extra rubber bands accommodating the freely suspended cables. This way, Referenz Cable Bases not only absorb vibrations but consistently isolate your cables from the floor, reducing unwanted capacitance and minimizing the load of the electronic system.

### KEY-FEATURES

- MECHANICAL AND CAPACITIVE CABLE DECOUPLING
- SUITABLE FOR CABLE DIAMETERS OF 10 25MM
- HIGH-TECH GEL PAD INSIDE THE BASE
- RUBBER BANDS HOLDING THE CABLE
- OPEN OR CLOSED CABLE SUSPENSION
- DIAMETER: 47 MM
- TOTAL HEIGHT: 48 MM
- HEIGHT LEVELS: 25 / 33 / 44 MM







### DECOUPLING: LESS TROUBLE, BETTER SOUND

Referenz Cable Bases are highly versatile because they support various cabling diameters and floor gaps as well as open and closed cable suspension. With open suspension, the cable rests on a rubber band and allows for mounting at three different heights; with closed suspension, cables are fixed using two rubber bands above and below. This approach is advantageous in that minor movements (for example, when aligning your speakers) will not result in the cable falling from the Base—it is fixed in a defined position. The innovative cable supports thus ensure effective mechanical and capacitive decoupling of your RCA, XLR, and phono cables from the floor. A particularly interesting application of Referenz Cable Bases is the decoupling of your phono cables. This is essential because otherwise vibrations would travel to your tone arm and on to your sensitive pick-up system.

# REFERENZ GEL-ABSORBER

High-end and hi-fi systems are a combination of highly precise and delicate devices. That all components can work without interference, just like sensitive measuring equipment they need to be kept free of vibrations and shocks as far as possible. Vibrations are caused in different ways and they can be transmitted by structure-borne and air-borne noise. The combination of air-borne and structure-borne noise causes all of the components of the hi-fi system to vibrate mechanically. Experiments have shown that this is a considerable impact on the sound. The Reference Hightech Gel Absorbers form a solid sound basis that is available as a combination set for all weight classes. They have a special gel at their core that absorbs vibrations. This set contains 12 gel pads for various weight classes for the optimum tuning and decoupling of the devices and loudspeakers.

### **KEY-FEATURES**

- HIGHTECH ABSORBER GEL
- TOP AND BOTTOM PART MADE FROM STAINLESS STEEL
- 12 (3 X 4) HIGHTECH GEL PADS IN THE SET
- COVERS FOUR WEIGHT CLASSES FROM 5 TO 40 KG
- FELT PADS AND ADHESIVE PADS INCLUDED
- DIMENSIONS APPROX. 45 X 11.5 MM (D X H)



### QUALITY NOT QUANTITY

The weight of the devices influences the effectiveness of the absorbers or the absorbentmaterial. In particular the damping ratio alters depending on the frequency and the self-resonance. Thereforeit makes sense to adjust the absorber to the weight of the respective component:

Gel pad / device weight (per set of 4)	
Green*:	up to 5 kg (up to 1.25 kg / absorber)
Blue:	5–10 kg (1.25–2.5 kg / absorber)
Green:	10–20 kg (2.5–5.0 kg / absorber)
Black:	20–40 kg (5.0–10.0 kg / absorber)

\* Due to the resonance response, we recommend this gel pad for use in two weight classes.

# REFERENZ BIWIRE-JUMPER

High-end bi-wire jumper based on the LS-1603; LS1203 or LS-803. Fitted with the KS-103 Reference spade lug or BFA Banana. The rhodium surface treatment is extremely durable. The contact surfaces and the screw connection are manufactured from a single piece, allowing contact resistance to be avoided. The spade changes shape. The contact surface of the spade, which is slitted on the side, changes to a concave shape when the screw connections are tightened, thus preventing the spade lug from sliding out.

### **KEY-FEATURES**

- 16-FOLD; 12-FOLD OR 8-FOLD MULTICORE DEPENDING ON THE VERSION| LS-1603; LS-1203 OR LS-803
- HIGH SPEED WAVEGUIDE
- CONCENTRIC COPPER
- DUO-PE II INSULATION
- HIGH-POWER-MANAGEMENT
- PE-NETWORK JACKET





### RHODIUM COATED CONTACTS

The rhodium surface treatment is extremely durable. The contact surfaces and the screw connection are manufactured from a single piece, allowing contact resistance to be avoided. The spade changes shape. The contact surface, which is slitted on the side, changes to a concave shape when the screw connections are tightened, thus preventing the spade lug from sliding out.

# AUDIO CABLE

Every sound begins quite small. Such as a CD or DVD player to send only weak signals. The first steps are therefore particularly vulnerable. Electromagnetic interactions let the delicate tones come easily stumble. Not so with our Audio cables. The in-akustik Referenz cable while helping the small pulses, unadulterated to come up to the amplifier. With intricate designs, select materials and thicker shielding. So every note comes out great.

- With a real innovation in cable design, In-Akustik's brand-new Referenz NF-2404 equipment combination jumps straight into the premier league – by keeping the conductors at a distance from each other, it gives the music space to breathe." Stereo 09-2015
- "The NF-2404 Air RCA cable has magical cubic metres more than a competitor model. A clear vote for the in-akustik alternative." stereoplay 01-2017

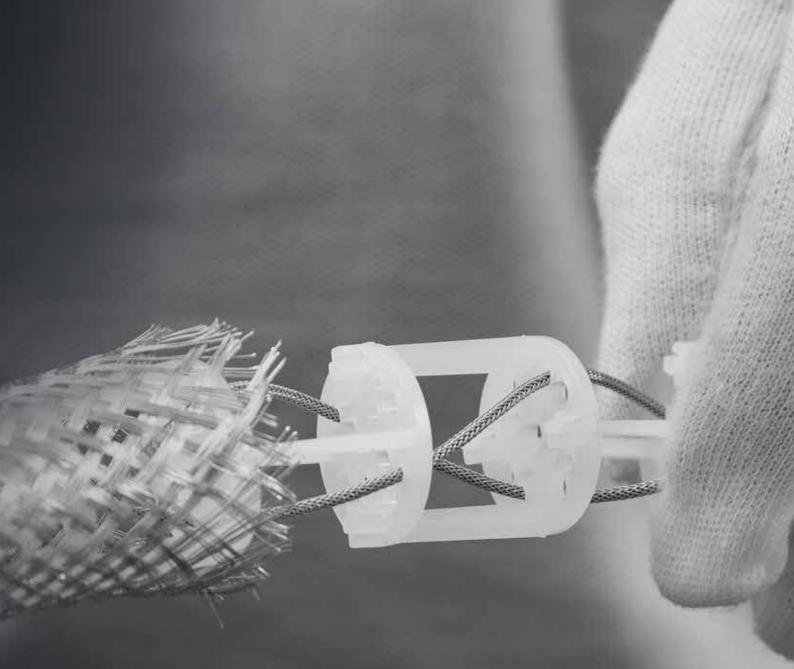






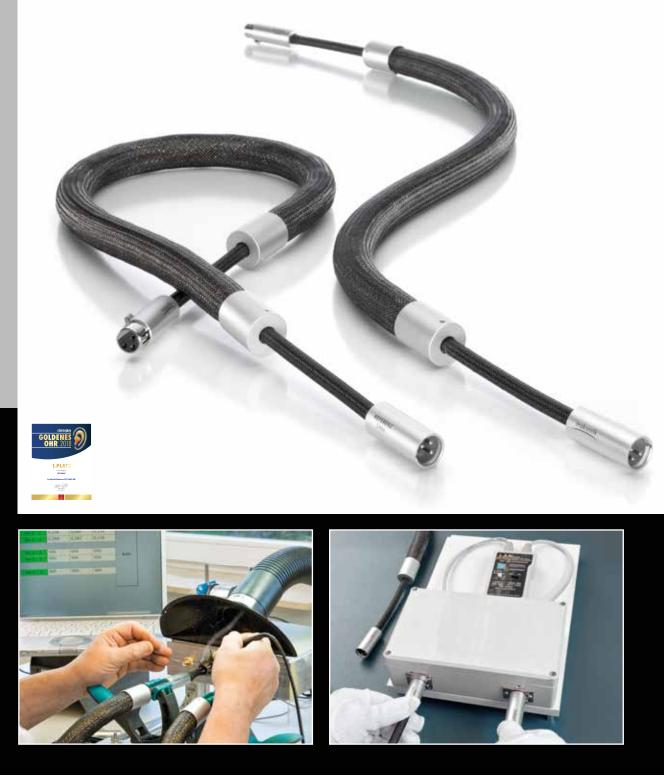


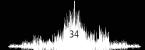


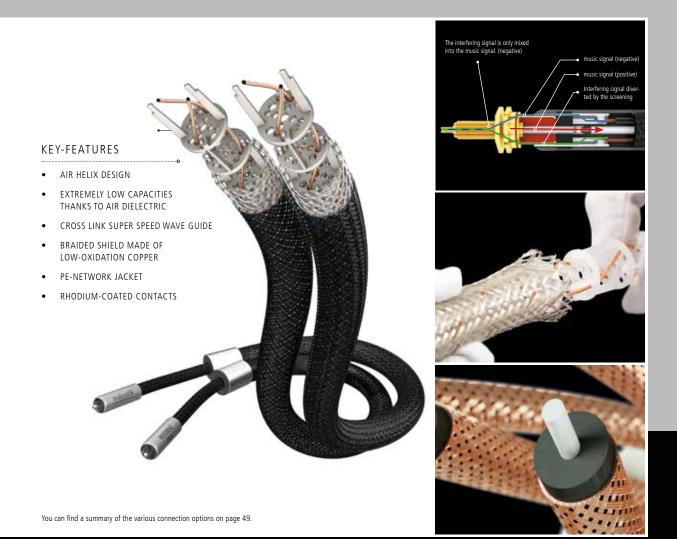


# REFERENZ NF-2404 AIR

Breathtaking sound through air insulation - On their way to perfect insulation we have realized many innovative designs - for example, the DUO PE insulation or the PETS (PE tube support). The NF-2404 Air is another milestone along this route and an absolute world first in the cable sector. Normally the conductors are kept apart by filling and insulating material of variable quality. But in the NF-2404 Air, the conductors run through a successive chain of clips that form an inner framework and give the NF-2404 Air extraordinary flexibility for a high-end cable.







### GAP RCA PLUG

HANDMADE

This newly developed high end plug enables a symmetrical connection to be made up to the terminals of the equipment. Thanks to its two-piece earth ring, this RCA plug has three contacts, exactly like an XLR plug. The screening and negative conductors are only brought together again when at the terminals of the equipment.

Just like all loudspeaker and audio cables from the Referenz series, the NF- 2404 is entirely made in Germany. The clips are meticulously assembled by hand at the on-site factory and then threaded into the Cross Link Super Speed waveguide. The resulting Air Helix is then provided with a shield and the PE network jacket and fi nally fi tted with GAP-RCA-II or XLR plugs.

# REFERENZ NF-1204 AIR

With audio connections between individual devices, the cable capacities play a key role. As the signal sources have very low levels and are rather sensitive to high cable capacities, audio cables are perfect candidates to air insulation using the Air Helix technology. For the Referenz NF-1204 Air, we have developed an entirely new and fully solder-less RCA-connector design. It comprises several parts that are assembled only during the manufacture process.





### NEW RCA PLUG

The new RCA plug comprises several parts that are assembled only during the manufacture process. First, just like with the speaker cable, the highly-pure copper wires of the Cross Link Super Speed waveguide are mechanically stripped from their thin lacquer coating; then, the tellurium-copper connector pin is crimped onto the wire at a 1.5-t pressure. Another innovation is the shield bonding, which is hermetically sealed using a screw.

The LS-1204 AIR is also available with XLR plugs.

First, just like with the speaker cable, the highly-pure copper wires of the Cross Link Super Speed waveguide are mechanically stripped from their thin lacquer coating; then, the tellurium-copper connector pin is crimped onto the wire at a 1.5-t pressure. Another innovation is the shield bonding, which is hermetically sealed using a screw.

# KEY-FEATURES AIR HELIX DESIGN EXTREMELY LOW CAPACITIES THANKS TO AIR DELECTRIC CROSS LINK SUPER SPEED WAVE GUIDE BRAIDED SHIELD MADE OF LUW-OXIDATION COPPER; MICDIUM-COATED PRESSURE-GROUTED PLUGS (1.5 T PRESSURE) HERMETIC GROUND CONNECTION To art find a summary of the various connection options on page 49.



#### BREATH-TAKING SOUND AT AN AFFORDABLE PRICE

We have added two top notch Reference Air Helix cables for the high end audiophile that is on a budget. They are NF-1204 interconnects and the LS-1204 Air speaker cables. They are for every aspiring music aficionado and they can benefit from this high tech design. Thanks to air insulation, enjoying hi-fi sound becomes literally a breath taking experience. References cables with our innovative Air Helix design has enthralled numerous high end enthusiasm around the world as well as the trade media. Built for interconnecting true "reference" high end devices they can certainly make more than just a small difference in the sound of best-in-class audio systems. The 1204 Reference model is tailored to the needs of many small but yet high end systems and the budget of their owners. Carefully crafted with outstanding properties, these cables help any high end system produce the perfect sound.

## REFERENZ NF-1603

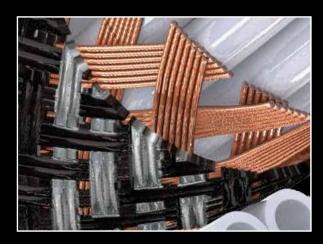
Due to the large effective overall surface of the six high-speed signal conductors, the Referenz NF-1603 becomes a powerful high-end link. At the same time, the DUO-PE II insulation and the air-filled PE tubes reduce unwanted capacitance and enable the signal source to work comfortably. The GAP II screening of the NF-1603 is a combination of lacquer-insulated wires and an aluminium-coated film with an air gap. The screening prevents the formation of interfering eddy currents. Another highlight of the third-generation is the GAP II cinch plugs, which ensure three-way symmetry in this connection. As an alternative, this cable is also available as an XLR version. The PE network jacket also prevents micro-vibrations.



- TRIPLESYMMETRICAL DESIGN
- HIGH SPEED SIGNAL CONDUCTOR
- DUO-PE II INSULATION
- 16-FOLD PE-TUBE INSULATION
- GAP II SHIELDING
- PE-NETWORK JACKET



You can find a summary of the various connection options on page 49.



#### GAP II SHIELDING

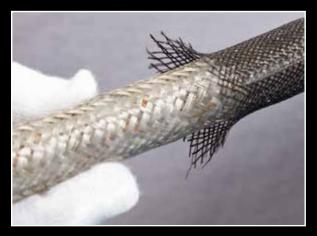
The standard shielding of conventional audio cables function like short-circuited secondary circuits. Eddy currents could occur and alter the music signal. The dynamics are diminished and the hi-fi system sounds flat. The GAP II screening consits of lacquerinsulated wires. It prevents the formation of interfering eddy currents.

## REFERENZ DIGITAL 2404 AIR

The air-helix construction of the Reference Digital-2404 is wholly unique. We have developed a special clip to ensure air insulation that is as close to perfection as possible. A large number of these clips form the supporting structure on the inside of the cable. This holds the signal conductor free in the air in a helix form and guides it through the shielding at defi ned intervals. The fl exibility of this construction is attained with two bridges that hold the clips together evenly and at exact intervals. With coaxial cables, the shielding is usually used as an earth conductor. The Reference Digital 2404 RCA on the other hand has a double-symmetric structure and has two positive and two negative conductors. This means that the shielding is completely separate and the signal remains free of interference.



You can find a summary of the various connection options on page 49.

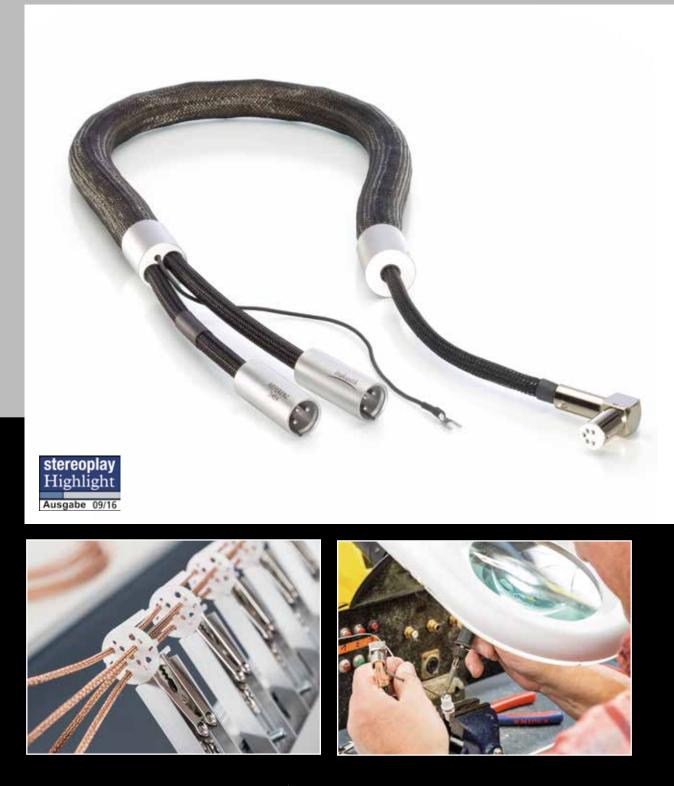


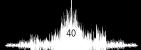
#### ADDITIONAL PRODUCT DATA

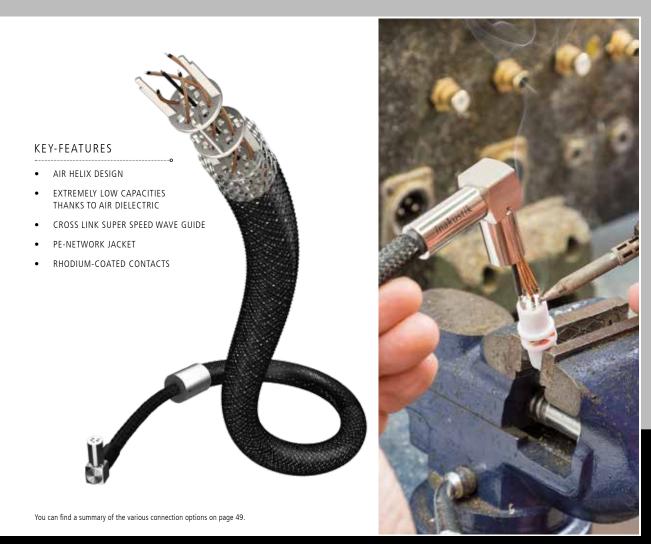
- Signal-free protective cover
- Braided shield, oxidation protected
- Rhodium-coated contacts
- GAP-RCA II plugs or XLR plugs
- Impedance 75 Ohm (RCA) / 100 Ohm (XLR | AES-EBU)

## REFERENZ PHONO-2404 AIR

Nowhere else in the audio world are smaller currents used. And they must be forwarded perfectly. The signal level of an MM or MC system is extremely sensitive, at just a few thousandths of a volt. Additionally, the systems have an inductive character. In combination with the cable capacity, they form what is known as an oscillating circuit, which favours specific frequencies. If these frequencies are unfavourable due to excessively high capacities, this has a major effect on the harmony of the sound. Extremely low capacities and dielectric losses are only two advantages of Reference Phono 2404. They form the basis of your unadulterated enjoyment of your vinyl treasures. There is no finer resolution for the sound of good LPs.







VINYL TREASURES

The good old LP sounds more alive than ever. Even experts would not have thought this demand possible. The sales of LPs are rising just as surprisingly as those of record players. A boom. But how can the sound be improved? For example, using a new, superior cable between the pick-up arm and the phono amplifier. We at in-akustik have created a new cable for excellent sound – the Reference Phono 2404.

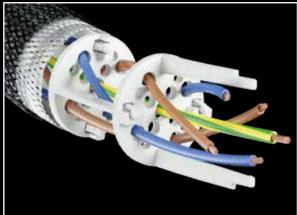
#### ADDITIONAL PRODUCT DATA

- Symmetrically constructed channels
- Signal-free protective cover
- Braided shield, oxidation protected
- Rhodium-coated contacts
- Earth cable

## REFERENZ AC-2404 AIR

A HiFi system basically reproduces nothing else than modulated household electricity. So this should arrive at the device as constantly as possible. In this case, the mains connection cable is of essential importance. The big challenge for power cords are extreme current peaks. They are caused by the connected devices themselves through the conversion from alternating to direct current. These extreme current peaks cause a whole series of unwanted effects. The Reference AC-2404 AIR power cable is specially designed for connecting high-end audio systems and is based on the legendary Air Technology. In combination with the Air technology, i.e. the "omission" of isolation material, which would "absorb" part of the energy like a sponge, the Reference AC-2404 AIR is able to transport





#### THE MULTICORE DESIGN

The Reference AC-2404 AIR power cable is specially designed for connecting high-end audio systems and is based on in-akustik's legendary Air Technology. It has many sophisticated construction details that counteract the effects just described. This includes the multi-core structure by which the resulting magnetic fields overlap and compensate each other. The division into several smaller, separate conductors also reduces the skin effect. In this way, the entire conductor cross-section remains usable. In addition, the cable is shielded by a dense meshwork of tinned copper wires. This protects the adjoining audio components from remaining interference fields.

very large amounts of energy in a very short time. The many details of the reference AC-2404 AIR counteract the unwanted effects and make it what it is: an outstanding energy pipeline for the highest audiophile demands. With all the love for audiophile sound, safety plays a special role in this cable category. For this reason, every Reference AC-2404 AIR cable is tested extremely carefully. In addition to the intensive function test, each cable also passes through an insulation and high-voltage test. The result is recorded and each cable receives its individual serial number.





#### THE BIG CHALLENGE

Extreme current peaks cause a whole series of unwanted effects. On the one hand, they cause substantial voltage and thus power losses in line and contact resistances. On the other hand, they cause strong magnetic fields which, due to their steeply rising edges, lead to significant skin effects even at the relatively low mains frequency. These reduce the effectively usable conductor cross-section. Furthermore, the magnetic field peaks disturb all other devices in their environment like small pinpricks. Particularly in demanding and dynamic passages in music, a great deal is demanded of the power supply and thus also of the mains cable. The AC-2404 AIR has many sophisticated construction details that counteract the effects just described. This includes the multi-core structure by which the resulting magnetic fields overlap and compensate each other.

## REFERENZ AC-3500P

Where does fine sound begin? Where does it end? Audio enthusiasts have kept asking those questions for ages. As a matter of fact, physical conditions have a considerable impact on the sound quality produced by audio systems. In this, power supply is one of the key factors. In principle, we listen to domestic current modulated by a music signal. This useful signal mixes with modulations or interference from other consumers at your home or even your neighborhood all the time – and this is where sound degradation starts. Countless consumers – in particular, digital devices – and switched-mode power supplies (SMPS) cause heavy distortion in the power system, and their number is still rising. This distortion poses serious problems for your hi-fi components, overlaying your sound like patches







#### PRESS

"We have seen many blenders. They promised holy water and delivered tap water. Here finally a master. in-akustik shows what a good power conditioner can do. The sound gain was clear, even outstanding. You can not increase high end sound in a better way. We are critical - but here we give a clear highlight." Stereoplay 07-2019

"Unbelievable - you hear the difference right away. It's really fascinating how much sound comes out of the power supply. I relive many of my records and CDs and hear extra details that I was not aware of before." HiFi Stars 41. of acoustic mist. As the number of hi-fi aficionados running their own power plants is obviously quite low, most devices will almost certainly be fed from a grid under heavy load. So to most of us, this means that sound begins at the power outlet or maybe the fuse box – everything upstream is beyond our control. The Referenz Power Station AC-3500P reliably suppresses all unwanted interference from the power system and becomes a key factor to a fine yet powerful sound.

#### **KEY-FEATURES**

- HIGHLY EFFICIENT CENTRALIZED PARALLEL FILTER
- DAMPENED SUB CHASSIS
- BALANCED POWER DISTRIBUTION
- HIGH-END SCHUKO SOCKETS
- HIGH-CURRENT POWER INLET (IEC C20)
- OVERVOLTAGE PROTECTION
- SUPPLY VOLTAGE: 100-250V AC / 50-60HZ
- OPERATING CURRENT (MAX.): 16 A
- INPUT POWER (MAX.): 3,680 W (230 VAC, 16 A)
- ALL-POLE DISCONNECTION
- BRUSHED-ALUMINUM FRONT PANEL





We are bound to filter out interference from the supplied power; traditional filters, however, are notorious dynamics "guzzlers", which is particularly true for serial circuits: inductors inserted into the feed line definitely increase the transition resistance and hamper dynamic pulse currents. The Referenz AC-3500P pursues a different approach: it implements a highly efficient parallel filter perfectly attuned to the audiophile's needs. The filter leads off all interference from both the power system and the connected devices themselves without restricting the supply. Add to this the dampened sub chassis that reduces AC-3500P mechanical vibrations of the filter components caused by the 50-Hz grid frequency. In addition, the star-shaped distribution topology ensures uniform supply of all connected units. This way, the Referenz Power Station AC-3500P becomes a key factor to a fine yet powerful sound.



## REFERENZ SELECTION

Spade lug | adjustable | rhodium coated

Spade lug | rhodium coated

Easy Plug

Screw Type

Standard length

**Custom-made length** 



x (MK II)

х

X

X

2 x 3,0m

Х

SPEAKER CABLE	LS-4004 AIR PURE Silver	LS-4004 AIR	LS-2404 AIR Pure Silver	LS-2404 AIR
Air Helix Design	x	X	Х	Х
Air Ribbon Design				
ow capacities thanks to air dielectric	x	Х	Х	Х
DUO-PE II Insulation				
Pure Silver Conductor	x		Х	
Cross Link Super Speed Wave Guide	Х	х	Х	Х
Super Speed Wave Guide				
ligh Speed Wave Guide				
Double Layer Multicore	х	х	Х	Х
Multicore	16-fold	16-fold	8-fold	8-fold
PE-Network Jacket	x	x	Х	х
acquered wires	х	x	Х	х
5ilver-plated wires				
Number of single conductor		16	8	8
Conductor cross-section	16 x 1,2 mm <sup>2</sup>	16 x 1,2 mm <sup>2</sup>	8 x 1,2 mm²	8 x 1,2 mm <sup>2</sup>
Diameter	44mm	44mm	24 mm	24 mm
ligh Power Management	х	x	Х	х
Concentric Copper				
Page in catalogue	16	18	20	22
CONNECTIONS				
Singlewire	Х	х	Х	х
5ingle-BiWire	Х	Х	Х	х
Plugs made of tellurium copper	Х	Х	Х	x (MK II)
Pressure-grouted plugs (1.5 T pressure!)		х	Х	x (MK II)
3FA adjustable   rhodium coated	х	х	Х	x (MK II)
3FA 45°   rhodium coated				Х
	•• ••	******		

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Х

x

2 x 3,0m

Х

Х

х

2 x 3,0m

х

Х

X

2 x 3,0m

Х

LS-1204 AIR PURE Silver	LS-1204 AIR	LS-804 AIR	LS-2404	LS-1603 Silver	LS-1603
х	Х				
		Х			
Х	Х	Х			
			Х	Х	х
Х					
Х	Х	Х			
			х		
				Х	Х
4-fold	4-fold	4-fold	24-fold	16-fold	16-fold
х	Х	Х	х	Х	х
Х	Х	х	х		
				х	
4	4	4	24	16	16
4 x 1,2 mm <sup>2</sup>	4 x 1,2 mm²		:	16 x 0,74 mm <sup>2</sup>	16 x 0,74 mm <sup>2</sup>
14 mm	14 mm	28 x 12 mm	24 mm	16 mm	16 mm
Х	Х	х	х	Х	Х
			х	Х	х
23	24	25	26	27	28

X	х	x	Х	х	х
			Х	Х	Х
Х	х	Х			
Х	Х	Х			
			х	Х	х
Х	Х	Х		Х	Х
Х	Х	Х	Х	Х	Х
		Х	Х	Х	Х
				Х	Х
2 x 3,0m					
х	Х	х	Х	Х	Х
Z	2	٢	Ì	Ą	Ì





## REFERENZ SELECTION



AUDIO   PHONO   DIGITAL   MAINS CABLE	NF-2404 AIR	NF-1204 AIR	NF-1603	Phono 2404 AIR	Digital 2404 AIR	AC-2404 AIR
Air Helix Design	Х	x		х	х	х
Low capacities thanks to air dielectric	Х	Х		Х	х	х
Cross Link Super Speed Wave Guide	Х	Х		Х	Х	
High Speed signal conductor			Х			
Conductor cross-section						4 x 1,5 mm <sup>2</sup>
Braided shield, oxidation protected	Х	Х		Х	Х	х
Signal-free shielding	Х		Х	Х	Х	х
Separate earth cable				х		
Grounding conductor						protection class1
PE-Network Jacket	Х	Х	Х	Х	Х	
Construction	symm.	coaxial	3-fold symm.	symm.	double symm.	4-fold Multicore
PE-Tube support			16-fold			
DUO-PE II insulation			Х			
GAP II shielding			Х			
Diameter	24 mm	14 mm	11 mm	24 mm	24 mm	24 mm
Impedance					75/110 Ohm	
Page in catalogue	34	36	37	38	40	41

#### ANSCHLUSSVARIANTEN

		٨	Ä	À	٨	J
Custom-made length	x	x	x	x	x	x
Standard length	0,75   1,0   1,5	0,75   1,0   1,5	0,75   1,0   1,5	1,0   1,5   2,0	1,0   1,5   2,0	1,0   1,5   2,0   3,0
Hermetic ground connection		х				
Pressure-grouted plugs (1.5 T pressure!)		х			<u>.</u>	
US -> C19   HIGH END						x
US -> C15 (C13)   HIGH END						x
SCHUKO - C19   BASIC						x
SCHUKO - C13   BASIC						x
SCHUKO -> C15 (C13)   HIGH END SCHUKO -> C19   HIGH END						X
				X		
SME 90° -> XLR   rhodium coated				X		
SME -> RCA   rhodium coated				Х		
SME 90° -> RCA   rhodium coated				х		
XLR -> XLR   rhodium coated	х	x	х		x (110 Ohm)	
RCA -> RCA   rhodium coated	х	Х	Х	Х	x (75 Ohm)	

## HEAVENLY HOME TRIAL

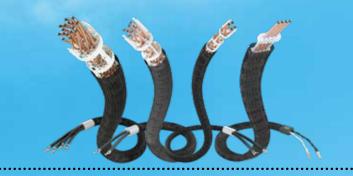
TEST THE AIR CABLES FOR ONE WEEK! AT HOME!



In cooperation with some of our worldwide distributors, we have launched a special campaign:

#### You can easily test a selection of our reference AIR cables for a whole week at home!

Just get in contact with one of the distributors listed below or, if there is no distributor in your country, directly with in-akustik to request the desired cable without obligation. Compare the AIR cables at your leisure in your familiar listening environment with your current cable setup. If you are not convinced of the cables, you can simply return them to the distributor.



You can find the complete cable selection as well as a list with the participating distributors on:

### IN-AKUSTIK.DE/EN/CABLE-TEST

"The LS-4004 AIR is one of the finest cables we've ever heard!" stereoplay | LS-4004 AIR

"A hi-fi combination worth €20,000 can be improved by 20% simply with the LS-2404 AIR."

stereoplay | LS-2404 AIR

"A stroke of genius that also shows the competitors the limits."

Audio | LS-1204 AIR

"A true masterpiece!" Audio | LS-804 AIR





## REFERENZ SOUND EDITION

The samplers of our Reference Sound Edition have been assembled with a love of musical detail. RESO Mastering (Reference Sound Mastering), the high definition mastering procedure, provides significant acoustic improvements in transparency, dynamics, bass reproduction and depth differentiation. The music is gaining more atmosphere and emotion. To best transmit this musical experience, instead of a normal CD, a HQCD respectively to get even closer to the master quality, a U-HQCD is used as sound carrier and instead of normal LP vinyl, 180g audiophile Virgin Vinyl.



ITEM-NO	TITEL	MEDIUM	
01675015	Reference Sound Edition – Great Voices Vol.1	U-HQCD	
0167501	Reference Sound Edition – Great Voices Vol.1	HQCD	
01675011	Reference Sound Edition – Great Voices Vol.1	Audiophile Double L	
0167502	Reference Sound Edition – Great Voices Vol.2	HQCD	
01675021	Reference Sound Edition – Great Voices Vol.2	Audiophile Double LP	
0167503	Reference Sound Edition – Great Cover Versions	HQCD	
01675031	Reference Sound Edition – Great Cover Versions	Audiophile Double LP	
0167504	Reference Sound Edition – Great Guitar Tunes	HQCD	
01675041	Reference Sound Edition – Great Guitar Tunes	Audiophile Double LP	
0167505	Reference Sound Edition – Soundcheck	HQCD	
01675051	Reference Sound Edition – Soundcheck	Audiophile Double LP	
0167506	Reference Sound Edition – Great Women Of Song	HQCD	
01675061	Reference Sound Edition – Great Women Of Song	Audiophile Double LP	
0167507	Reference Sound Edition – Great Men Of Song	HQCD	
01675071	Reference Sound Edition – Great Men Of Song	Audiophile Double LP	
01675085	Reference Sound Edition – Great Voices Vol.3	U-HQCD	
0167508	Reference Sound Edition – Great Voices Vol.3	HQCD	
01675081	Reference Sound Edition – Great Voices Vol.3	Audiophile Double LP	

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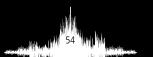














## IN-AKUSTIK THER`S MORE BEHIND IT

A pure sound, a sharp image and an exclusive feeling of luxury - this is our aim as a company: the best quality for the eyes and ears –for the senses. We have been committed to perfection since 1977 – in sound, picture, music & media and exclusive designs. To achieve this, we have laid our focus on in-house product development and the manufacturing of our top quality cables in Ballrechten- Dottingen. Part of this is our exceptional attention to detail – whether this involves the complex cable structures, the stylish spatial concept of AmbienTech or the selection of artists for our own music label. It is this emphasis on the fundamental aspects which has made in-akustik so strong and helped us become a globally active company with international ambition with a hugely impressive product range.

in-akustik GmbH & Co. KG Untermatten 12-14 79282 Ballrechten-Dottingen Germany Tel.: +49 (0) 7634 5610-70 Fax: +49 (0) 7634 5610-80 E-Mail: info@in-akustik.de Web: www.in-akustik.de The printed matter we designed to provide information and advice to the best of our knowledge. Any legal obligations, however, may not be derived from such printed matter. Images, particulary relating size and features of the products shown, are non-binding. We reserve the right to make technical and formal changes to our products in the interests of technical progress.