

REFERENZ AIR

inakustik

KABEL | LAUTSPRECHER | MUSIK



AIR high-end cables

For a unique listening experience

Delivering music that is clear and rich in emotions. Developed by our own in-house engineers, and used in combination with high-quality audio components, our AIR technology allows studio or live recordings to be reproduced in an authentic way and with minimum loss. The technology is now in its fifth generation.

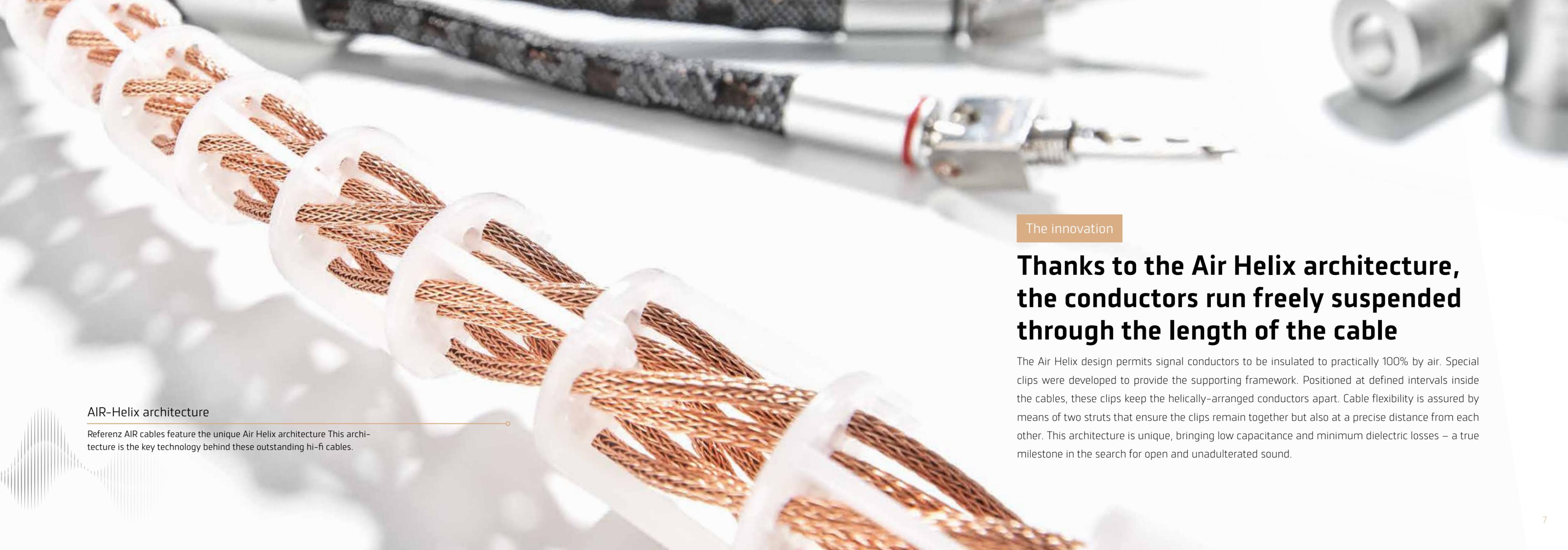
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Our approach

Minimizing losses

Our Referenz AIR cables transport audio signals between source, amplifier and speaker in an authentic way and with a minimum of loss. You can enjoy music that precisely expresses the emotions of the artists at the time of recording – sensual, subtle, light-hearted or orchestral right through to full-blooded and rocking. Vocals and instruments are delivered in unadulterated form. Everything remains vibrant and full of emotive energy. Favorite tracks and pieces continue to trigger strong feelings even when you've heard them a hundred times over.





AIR-Helix architecture

Referenz AIR cables feature the unique Air Helix architecture. This architecture is the key technology behind these outstanding hi-fi cables.

The innovation

Thanks to the Air Helix architecture, the conductors run freely suspended through the length of the cable

The Air Helix design permits signal conductors to be insulated to practically 100% by air. Special clips were developed to provide the supporting framework. Positioned at defined intervals inside the cables, these clips keep the helically-arranged conductors apart. Cable flexibility is assured by means of two struts that ensure the clips remain together but also at a precise distance from each other. This architecture is unique, bringing low capacitance and minimum dielectric losses – a true milestone in the search for open and unadulterated sound.

The key features

Additional benefits of the AIR cables

Using air as a dielectric lowers capacitance to a minimum

The insulation between the conductors (also known as the "dielectric") is of key importance for the quality of the sound. Signal transport is impacted by the insulating material, the distance between the conductors and the surface of the conductors. In comparison with other insulators, using air as a dielectric leads to no increase in capacitance and creates no dielectric losses. Sound signals are not impeded or altered during transport, a vital advantage when it comes to audio playback. Our fifth-generation Referenz AIR cables use solely air as a dielectric.

Point-to-point Air Helix for end-to-end connections

A new feature in the fifth-generation of in-akustik's Air Helix architecture is the point-to-point connection. Specially designed transitions are available for each type of cable and connector. Across the complete length of the cable – point-to-point AIR Helix. It may sound trivial at first, but the results are impressive. Acoustic signals are transported with minimized losses, right through to the final centimeters. The sound is more detailed and dynamic than ever before.

Polyethylene network jacket without sub-coating

There is a huge number of cables on the market, most with a PVC sheath surrounded by a textile or plastic braid. This sheath is meant to protect the cable from mechanical damage. In the hi-fi area, however, it is unsuitable because (depending on the cable type) the jacket may act as part of the dielectric, negatively impacting capacitance and causing dielectric losses. At in-akustik, we deliberately don't use a PVC sheath in order to avoid capacitance and any consequent dielectric losses. The sheaths for Referenz AIR cables are made of polyethylene monofilaments. These hold the conductors tightly together, reduce micro-vibrations and allow extreme dynamic peaks to be processed in an unadulterated fashion.

Multiple-nested multicore structures lower inductance

Inductance is critical to the capacitance of a loudspeaker cable, causing resistance to the signal flow, rising with the frequency. Current flow through a cable creates magnetic fields. Depending on how closely together cables are arranged, and on the direction in which the current is flowing, cables have an influence on each other. Their magnetic fields can be neutralized or increased. In our multicore architecture, we deliberately exploit stray magnetic fields. By cleverly arranging the conductors in the multiple nested multicore structures, overlapping magnetic field areas are created that significantly reduce inductance. This allows the entire frequency spectrum, including high frequencies and dynamic impulse sequences, to be transported in an unimpeded way and with no delays. The music seems more exquisitely detailed, and the sound gains in fine dynamism. All details are kept distinct yet harmonious at the same time.



Cross Link Super Speed waveguides bring homogenous transport of electrical signals

The Cross Link Super Speed waveguide avoids so-called "skin effects" caused by eddy currents in the conductor that occur with increasing frequencies and high energetic impulses. It has a polyethylene core and a ring-shaped structure, with a usable cross-section that remains the same for all frequencies and in all situations. Thanks to the braided structure, the waveguide is able to precisely transport even extreme current peaks. A lacquer coating around each wire prevents eddy currents within the conductor and protects the wires against oxidation.

All this results in a conductor that delivers a balanced sound consisting of vibrant and never overemphasized timbres, even in complex musical passages and at high volume levels.



Excellent conductor materials: pure copper or silver

The conductor material is a crucial factor for the transmission of sound signals. Any impurity in the conductor material impedes the flow of current, diminishes the conductivity and increases background noise, also known as "shot noise". In our Referenz AIR cables we therefore use only pure oxygen-free copper (OFC) or pure silver. Both materials have an excellent conductivity value. When using copper, we ensure that only carefully selected batches of pure copper are processed. We take great pains to measure the quality of the copper before it is sent to the mill for drawing to the required cross-section over the course of a multi-stage process.

Pure silver conductors: A material's electrical conductivity depends on the number of free electrons and their drift speed. Pure silver is regarded as the best conductor, delivering more detail across all frequency ranges. The charismatic sound of pure silver is primarily due to its high drift speed. But there is one problem we need to mention: using pure silver is extremely costly.



Rhodium-coated connectors prolong cable lifetimes

Even the best cable deteriorates massively in quality when insufficient attention is paid to the connection technology. Pure copper is not suitable here due to the softness of the material. At in-akustik, we therefore use tellurium copper, an alloy of copper and tellurium. This alloy is a harder metal. Its great advantage is that the conductivity remains at a high level, far superior to that of brass connectors. The additional coating with rhodium ensures robust connectors with high longevity and high resistance to corrosion. The precious metal is capable of withstanding numerous connection cycles, continuing to display good contact characteristics even after frequent reconfigurations and experimentation. Conductivity also remains at a high, stable level. These are important advantages, particularly compared to contact enhancement using gold, a softer material that rubs off more quickly.



Securely pressure-grouted contacts (1.5 tonnes) for lower contact resistance

Soldering is normally regarded as a robust and reliable technique for use in connection technology. However, it has disadvantages when used for audio cables, such as less conductive solder in the signal path and the emergence of low thermoelectric emfs. Both factors diminish audio signal flow, even if the effect is minimal. The contact elements on the RCA and BFA plugs and lugs (spades) belonging to our Referenz AIR cable range are pressure-grouted together with the conductor material using a special tool that exerts a force of 1.5 tonnes. This ensures a stable and reliable connection between the connector and the Referenz AIR cable without needing ferrules or an additional material such as solder. Contact resistance and other negative effects are avoided.



Fifth-generation AIR cables

Making something special even better

Special things don't come into being by chance. Products become special through a combination of experience, an ongoing search for perfection, inspiration and feedback from users. The phenomenal feedback we received about previous generations of our outstanding AIR cables spurred us on to find ways we could improve our products even further. And so we set out to create the fifth generation of our Referenz AIR series. We have now reached a new stage on our evolutionary journey.



Point-to-point AIR Helix design

The fifth generation of our Referenz AIR cable is now available! Point-to-point Air Helix design ensuring seamless connections, special types of connector for easy attachment and all-round technical sophistication turn the outstanding AIR cables into true masterpieces.

What's new?

Point-to-point AIR Helix design

Specially designed transitions for each type of cable and connector ensure a seamless extension of the Air Helix architecture from cable beginning to cable end – from point to point. Up to now, it wasn't possible to extend the Air Helix design right through to the connector, meaning the last few centimeters were insulated using conventional methods. Our customers encouraged us to find an answer to this, and now we can present our solution! We thought the impact of these enhancements would be relatively small, but the actual results have come as a pleasant surprise. We look forward to your feedback.

XLR-180 connectors

It is usually only possible to insert XLR connectors in one direction. Because XLR sockets are arranged differently from device to device, this can sometimes prove tricky. Cables sometimes need to be rotated, putting extra strain on cables, connector and sockets. The newly developed XLR-180 connectors from in-akustik can be rotated by +/- 45 degrees (up to a total of +/- 90 degrees) for easy connectivity.



RCA SL connectors (RCA SolderLess)

Soldering is a reliable and well-established joining technique, but it has its drawbacks. Disadvantages include the presence of less conductive solder in the signal path and the emergence of low thermoelectric emfs. In our fifth generation, the signal conductors and contact elements are pressure-grouted together with a force of 1.5 tonnes. A further seemingly tiny improvement that brings great rewards in audio performance.



BFA 360/Spade 360 connectors

Movement across three axes make the 360-degree BFA and spade connectors really easy to connect and disconnect. Difficult set-up operations that put a strain on both cables and devices are a thing of the past. The connectors can easily be attached to terminals from a wide range of manufacturers. No awkward bending is necessary, avoiding damage to surfaces and potential contact resistance. Set-up is fast and problem-free. The attractively designed connectors are the perfect complement to the outstanding sound. The new connectors are used with the LS-4005 and LS-2405. Both connector versions as well as the Basic version for the LS-1205 are pressure-grouted with a force of 1.5 tonnes.



"From the very first chord, the room is filled with a warmth, ambiance, volume and brilliance that even the most unpracticed ear can appreciate [...] It's as if the listener is surrounded by a cloud of sound – where lightness and power combine to form a special atmosphere that is totally addictive."

Martin Schleske, Munich-based violin maker, talking about one of Stradivari's most famous violins.

We do our utmost to ensure you can listen to music in the most authentic way possible and discern even the tiniest detail – music that is true to life and packed with vivid tones.



Loudspeaker cable

LS-4005 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- 16-fold multicore
- Cross Link Super Speed waveguide
- 2 x 9.6 mm² (16 x 1.2 mm²)
- Pure OFC copper
- Cable diameter: 40 mm
- Connectors: BFA 360°; Spade lug 360°
- Beryllium copper (BFA); tellurium copper (Spade)
- Rhodium-coated
- Single bi-wire; single wire
- Pressure-grouted contacts (1.5 tonnes)
- Individual inspection prior to shipping
- Length: 2x3.0m | Custom lengths on request

From €7,799



"This cable has what it takes to lift the performance of my chain into the next higher class! The difference between the not-too-bad entry-level strip of the system owner and the super-cable from the Black Forest was so great that it prompted me, with some cursing, to seriously go and check the balance of my bank account." Fidelity *

"A load of thought and craftsmanship has been put into this cable. The LS-4004 AIR is one of the best cables we have ever come across," stereoplay | *Previous model LS-4004 AIR

BFA & SPADE

360°

MULTICORE

16

CROSS-SECTION

19.2



"This cable transmits such honest and authentic sound that at first you might not realize you're hearing it through a cable at all. It makes listening to music that much more enjoyable!"

Test listener Steffen B.

Previous model LS-4004 AIR
probehoeren.in-akustik.de



Loudspeaker cable

LS-2405 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- 8-fold multicore
- Cross Link Super Speed waveguide
- 2 x 4.8 mm² (8 x 1.2 mm²)
- Pure OFC copper
- Cable diameter: 25 mm
- Connectors: BFA 360°; Spade lug 360°
- Beryllium copper (BFA); tellurium copper (Spade)
- Rhodium-coated
- Single bi-wire; single wire
- Pressure-grouted contacts (1.5 tonnes)
- Individual inspection prior to shipping
- Length: 2x3.0m | Custom lengths on request

From €4,799



"Even the regular cables in the Referenz 2404 Air series leave nothing to be desired in a hi-fi chain configured for honesty. I'm impressed by the way their pursuit for perfection never diminishes their vibrancy and authenticity. Greater distancing and lots of air obviously pays off." image hifi*

"Difficult to describe, it's something you need to experience for yourself." stereoplay | *Previous model LS-2404 AIR

BFA & SPADE

360°

MULTICORE

8

CROSS-SECTION

9.6

Loudspeaker cable

LS-1205 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- 4-fold multicore
- Cross Link Super Speed waveguide
- 2 x 2.4 mm² (4 x 1.2 mm²)
- Pure OFC copper
- Cable diameter: 13 mm
- Connectors: BFA Basic (plastic); Spade lug Basic (solid metal)
- Beryllium copper (BFA); tellurium copper (Spade)
- Rhodium-coated
- Single wire
- Pressure-grouted contacts (1.5 tonnes)
- Individual inspection prior to shipping
- Length: 2x3.0m | Custom lengths on request

From €2,399



"A stroke of genius that shows competitors how it should be done – in terms of sound, too | Superb craftsmanship" Audio | Previous model LS-1204 AIR

"A real insider tip! Recommended for connoisseurs of high-end sound" HiFi-Test | Previous model LS-1204 AIR

BFA & SPADE

BASIC

MULTICORE

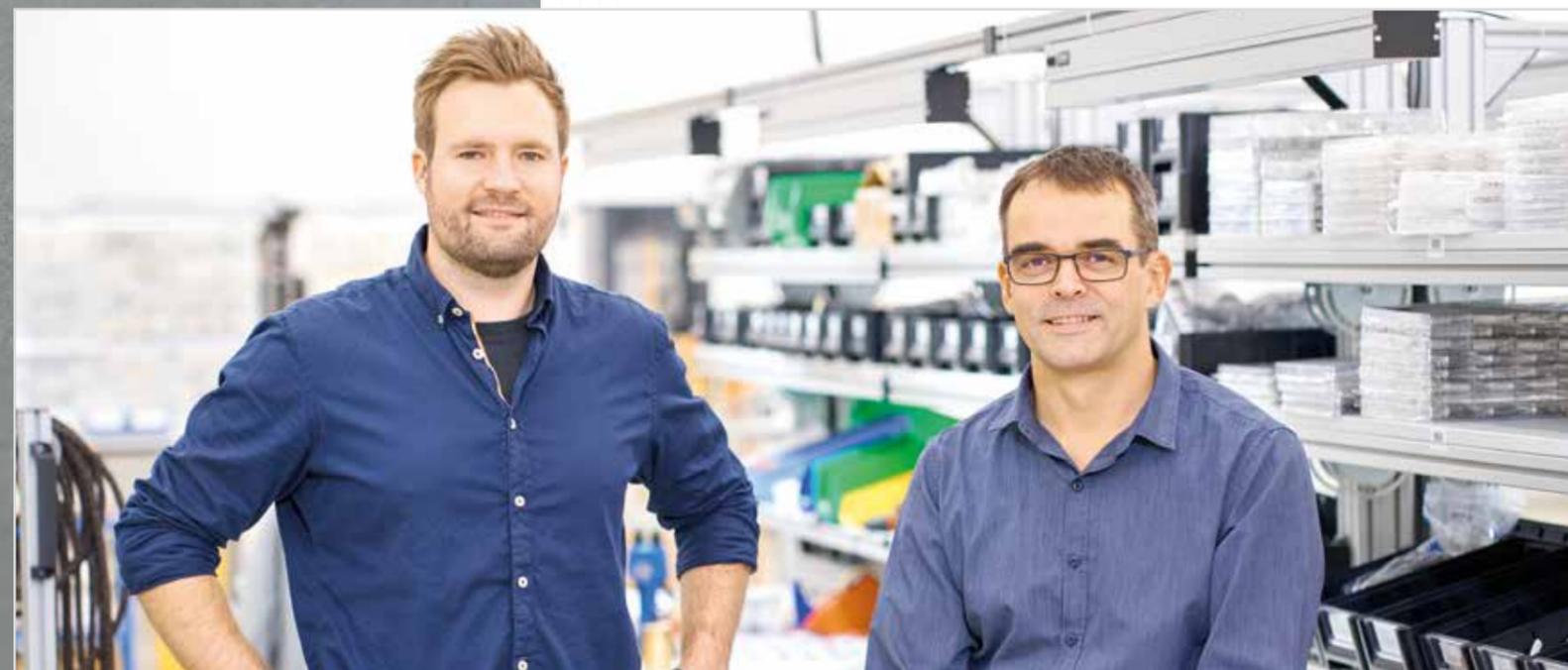
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CROSS-SECTION

4.8

"There's nothing magical about cables. The best cables are not those that get the most out of a hi-fi chain, they're the ones that lose the least of the original sound."

Marius Ingold & Holger Wachsmann
Product developers at in-akustik



Did you know that ...

our LS-4005 AIR (2 x 3 m) is made up of 354 individual components? The copper wire used is 4,601 m long, and the PE monofilament is 1,723 m long. Containing 1,904 drill holes, the Air Helix design of this cable type demands great dexterity on the part of the assemblers when they're threading through the conductors.

Audio cable

NF-2405 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- Symmetrical design
- Cross Link Super Speed waveguide
- Pure OFC copper
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 25 mm
- Connectors: RCA SL; XLR 180° +/- 45° rotatable
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- XLR: soldered
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €1,749



"In terms of sound, the Referenz candidates demonstrate excellent transparency and structure. Anyone looking for that elusive special sound or even seeking to compensate for deficits in other equipment has definitely come to the wrong place. The cables deliver what they get at their own connection sockets – but in a crystal-clear, enormously airy and breathtakingly open quality." Fidelity | Previous model NF-2404 AIR



"Listening to music this way just keeps getting better, even through quiet segments and without annoying background noise, always with subtle detail and a stable fundamental tone."

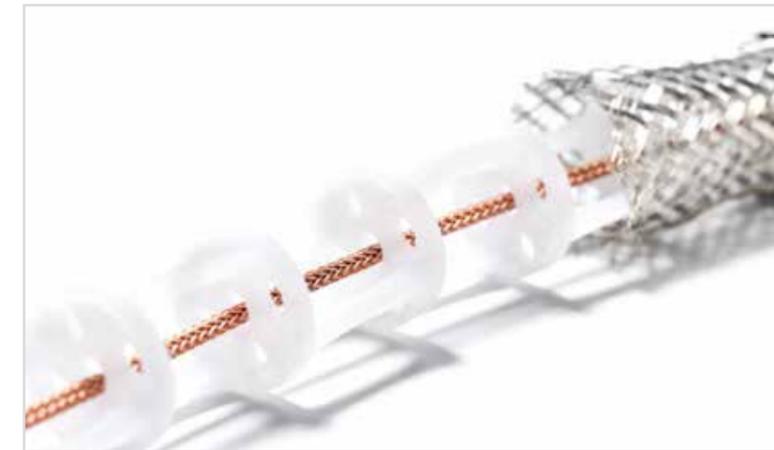
Test listener Wolfgang P.
Previous model NF-2404 AIR
probehoeren.in-akustik.de

Audio cable

NF-1205 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- Coaxial design (RCA); symmetrical design (XLR)
- Cross Link Super Speed waveguide
- Pure OFC copper
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 13 mm
- Connectors: RCA SL; XLR 180° +/- 45° rotatable
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- XLR: soldered
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €979



"I felt as though I was almost looking down the singer's throat. What amazing detail I was able to hear, without the sound appearing too analytical. And always with that slight, comfortable touch of warmth. Wonderful! In my opinion, the in-akustik Referenz NF 1204 Air is a blockbuster cable." HiFi-IFAs*

"The architecture is bold and modern. No plastic has been employed as a separating element, just pure air. In terms of the physical ideal, it doesn't get any better." Audio | *Previous model NF-1204 AIR

XLR
180°

RCA
SL

DESIGN

RCA XLR

Digital cable

Digital-2405 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- Double symmetrical design
- Cross Link Super Speed waveguide
- Pure OFC copper
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 25 mm
- Connectors: RCA SL; XLR 180° +/- 45° rotatable
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- XLR: soldered
- Wave impedance: 110 ohms (XLR); 75 ohms (RCA)
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €999



"However, I can unequivocally state that they will perform better than many of the upper echelon cables praised by reviewers. So, I refer you back to the opening paragraph of this review. The Inakustik Referenz LS 4004 Air, Referenz Digital 2404 Air, and Referenz High Speed Digital USB are now included in my list of No Brainer cables, partly because of their price, but mostly because they are among the finest cables around and have been greatly enhancing my listening pleasure." dagogo.com | Previous model Digital 2404 AIR

XLR
180°

RCA
SL

DESIGN

RCA XLR

Phono cable

Phono-2405 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- Double symmetrical design | Additional ground wire
- Cross Link Super Speed waveguide
- Pure OFC copper
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 25 mm
- Connectors: RCA SL; XLR 180° +/- 45° rotatable; SME; SME 90°
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- XLR: soldered
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €1,099

"This is now the benchmark for super cables. With its Air Helix design, in-akustik shows others the way forward. The sound is fast and analytical, but nevertheless effortless. Its fine dynamism is equally superb. This in-akustik cable performs its analysis to perfection. You can almost feel the pianist's breath, drilling deep down into the farthest corner of fine dynamism. Everything is unforced and unproblematic. Where other cables had problems with Friedrich Gulda's sparkling runs, the Phono 2404 AIR remained effortless and natural" Stereoplay | Previous model Phono-2404 AIR

<p>XLR 180°</p>	<p>RCA SL</p>	<p>DESIGN  RCA XLR SME SME 90°</p>
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"Physics is the winner: in-akustik's superb phono cable is a great example of how consistent application of technology can enable a cable to deliver outstanding results."

LP-Magazin
Previous model Phono-2404 AIR

Phono cable

Phono-1205 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- Double symmetrical design | Additional ground wire
- Cross Link Super Speed waveguide
- Pure OFC copper
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 13 mm
- Connectors: RCA SL; SME
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €999



The signal level of an MM or MC system is extremely sensitive, at just a few thousandths of a volt. In addition to this, the systems have an inductive character. In combination with the cable capacitance, they form what is known as an oscillating circuit, which favors specific frequencies. If these frequencies are unfavorable due to excessively high capacitance, this has a major effect on the harmony of the sound. Extremely low capacitance and dielectric losses are just two advantages of the Phono 1205 AIR. They form the basis for unadulterated musical enjoyment.



Power supply

AC-4005 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- 16-fold multicore
- 2 x 4.0 mm² (16 x 0.5 mm²)
- Pure copper
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 40 mm
- Connectors: Referenz UHQ & open cable ends
- UHQ: SCHUKO | NEMA -> C15 (C13) & SCHUKO | NEMA -> C19
- Individual inspection: Function | Ground wire | Insulation | High voltage
- Certificate included | Protection Class 1
- Load C15: 2300 W (230 V AC / 10 A)
- Load C19: 3680 W (230 V AC / 16 A)
- Rated voltage: 250 V AC | 50/60 Hz
- Rated current: 10 A / 16 A
- Length: 1 m; 1.5 m; 2 m; 3 m | Custom lengths on request

From €2,799

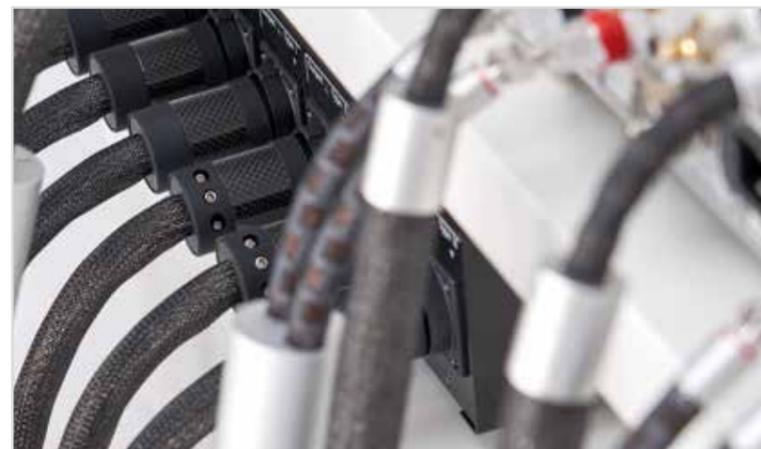


A hi-fi system basically reproduces nothing other than modulated household electricity. Ideally, this should be made available to the components without any further inhibition. However, dynamic music with complex bass runs places an impulsive load on the electronics of the integrated or power amplifiers belonging to a high-end hi-fi system. Here the power cable plays a significant role. The challenge for power cables on audio devices with a high sound quality are extreme current peaks that can generate strong magnetic fields and interference radiation, leading to power losses at line and transition resistances. These rapidly changing increases and decreases in current must be passed on to the electronic

CONNECTOR
UHQ

MULTICORE
16

CROSS-SECTION
8.0



"A better grip on the asphalt. Everything appeared sharper and darker – like a panther in the night."

stereoplay
Previous model AC-4004 AIR

Perfect sound for audiophiles: Specially designed for connecting up top-notch high-end audio systems, the Referenz AIR power supply cables are based on the already legendary in-akustik AIR technology. Their many special features effectively counteract the undesirable effects encountered while supplying power to high-performance audio components and make supply cables what they should ideally be: superb energy pipelines for perfect high-end sound.

Shielding against interference fields: Unlike most other power cables, the in-akustik Referenz AIR cables are encased in a dense shielding braid of tinned copper. This protects the hi-fi system from external interference and any nearby cables and audio components from radiating interference fields caused by the high current peaks in the cable. The tinning of the braid also prevents any oxidation of the cable.

Safety is of the utmost priority to us: However much we focus on high-end sound, safety plays a particularly important role in this cable category. That's why every Referenz AIR power cable is tested and inspected extremely carefully. In addition to an exhaustive functional test, each cable is also subjected to an insulation and high-voltage test. The results are documented, and each cable is given an individual serial number.

components with as little delay as possible, since a blocked current flow would have a negative effect on the sound. Physics tells us that an electrical conductor has capacitive and inductive characteristics in addition to its resistance, and these disturb the flow of energy between the power socket and the hi-fi device. The goal is always a power supply without any time-lag and with minimum loss, enabling large amounts of energy to be transported in a very short time. Accordingly, the power cord from the wall socket to the hi-fi equipment plays a very important role in the transmission chain.



Power supply

AC-2405 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- 4-fold multicore
- 2 x 3.0 mm² (4 x 1.5 mm²)
- Pure copper
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 25 mm
- Connectors: Referenz UHQ & Referenz BASIC & open cable ends
- UHQ: SCHUKO | NEMA -> C15 (C13) & SCHUKO | NEMA -> C19
- BASIC: SCHUKO | NEMA -> C15 (C13) & SCHUKO | NEMA -> C19
- Individual inspection: Function | Ground wire | Insulation | High voltage
- Certificate included | Protection Class 1
- Load C15: 2300 W (230 V AC / 10 A)
- Load C19: 3680 W (230 V AC / 16 A)
- Rated voltage: 250 V AC | 50/60 Hz
- Rated current: 10 A / 16 A
- Length: 1 m; 1.5 m; 2 m; 3 m | Custom lengths on request

From €1,249



Power supply

AC-1205 AIR

- AIR Helix Point-to-Point
- Dielectric: air
- 4-fold multicore
- 2 x 1.5 mm² (4 x 0.75 mm²)
- Pure copper
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 13 mm
- Connectors: Referenz BASIC & open cable ends
- BASIC: SCHUKO | NEMA -> C15 (C13) & SCHUKO | NEMA -> C19
- Individual inspection: Function | Ground wire | Insulation | High voltage
- Certificate included | Protection Class 1
- Load C15: 2300 W (230 V AC / 10 A)
- Load C19: 3680 W (230 V AC / 16 A)
- Rated voltage: 250 V AC | 50/60 Hz
- Rated current: 10 A / 16 A
- Length: 1 m; 1.5 m; 2 m; 3 m | Custom lengths on request

From €989



"The three cables (LS-2404 AIR/NF-2404 AIR/AC-2404 AIR) improve an existing hi-fi system costing around €25,000 by some 15%, which is sheer luxury. This is only possible with in-akustik – most competitors can offer nothing approaching this gain. The workmanship could not be more superb, and the fact that everything is hand-made is additional balsam to the soul." AUDIO*

"In conclusion, we can say that in-akustik's Referenz AC-2404 Air has opened up new perspectives for the world of hi-fi." hifi-today.de | *Previous model AC-2404 AIR

CONNECTOR

UHQ

CONNECTOR

BASIC

MULTICORE

4

CROSS-SECTION

6.0



"A fine but discernible improvement that enhances our audiophile lifestyle by another couple of notches. Consider applying it to all your equipment. The verdict nobody wants to hear: add two of these cables rather than just one. The source appears faster, the amplifier darker and more confident. A small but clearly-evident upgrade. Superb craftsmanship" Audio*

"If I had to sum up the impact of the in-akustik AC-1204 AIR in a single sentence, this is what it would be: Of all the individual components I have ever replaced, these power cables have brought the greatest improvement to the sound of my hi-fi system. A clear recommendation with no regrets." highresmac.de | *Previous model AC-1204 AIR.

CONNECTOR

BASIC

MULTICORE

4

CROSS-SECTION

3.0

"Do yourself a favor and don't ignore the power issue. Give it a try. The AC-4500 is a masterpiece of electrical engineering."

Tom Frantzen | Stereo
AC-4500 Power Station



Power supply

AC-4500 Power Station

- Filter type I for analog devices
- Filter type II for digital devices
- DC suppression high current
- High-quality sockets
- Copper busbars | 3 x 30mm²
- Metal housing
- Separately shielded socket groups
- Brushed aluminum front panel
- All-pole mains disconnection
- Surge protection
- CE compliance
- Number of outputs: 6
- Mains connection: IEC C-20 socket
- Operating voltage: 230 VAC / 50-60Hz
- Max. operating current: 16 amps (total)
- Max. connected load: 3680 watts (230VAC / 16A)
- Protection class 1
- Black or natural aluminum models
- Dimensions: approx. 450 x 386 x 122mm
- Weight: approx. 15 kg (fully equipped)

From €3,999



Where does fine sound begin? Where does it end? These questions ring constantly in our ears. The truth is, various factors have a major impact on the sound quality produced by audio systems, and one of these factors is power supply. It is subject to fluctuations that vary depending on the location of your home (in a city or a rural environment). If we look at things from a purely physics perspective, the music produced by a loudspeaker is ultimately nothing more than domestic current converted into sound. This statement sounds almost too banal compared to the hi-fi jargon we are all accustomed to. Unfortunately, all too often we ignore where the sound actually comes from and the importance of having a

stable power supply. A "clean" current is the raw material of fine sound, and our new Power Station AC-4500 makes sure that this is what you get.

The Power Station AC-4500 is available in several versions – from a basic model with one filter for all six sockets through to the top model that comes equipped with six separate filters, one for each socket. The models differ not only in the number of filters they are equipped with, but also in the combination of filter types they provide – type I (for analog devices) and type II (for digital devices). The Power Station AC-4500 was developed



Massive copper busbars

Special attention has been paid to how power is distributed within the Power Station AC-4500. Distribution is based on a combination of solid copper busbars (3 x 30mm²) and special solderless high-current connectors. Ensuring that loop resistance is extremely low, this design provides outstanding current delivery capacity. This makes the AC-4500 a rock-solid basis for an audio system, even at extremely high volume levels and during dynamic passages.



Modular design

A particular highlight of the AC-4500 is its modular design. 6 sockets are provided, tailored for either analog or digital components. Smaller audio systems may initially require a version with only one or two modules, but this can always be expanded to cater for any devices added in the future.

completely in-house, and each unit is manufactured in the company's own facility. Units subsequently undergoes rigorous testing with documentation of the results. Because safety is paramount for this type of unit, we have also arranged for an accredited laboratory to verify CE/CB conformity.



Custom-made

Ferrite cores are the first line of defense against interference, suppressing high-frequency interference through their inductance-enhancing effect. That's why the Power Station AC-4500 comes equipped with powerful ferrite cores positioned directly downstream of the sockets.

Custom-made filter circuits are a further means of minimizing unwanted interference, but it is crucial that the filter type suits the application for which it is required. Countless tests and measurements using various circuit configurations have shown that digital and analogue devices require different filter designs. And this is why the Referenz Power Station AC-4500 comes equipped with two different filter types depending on the particular configuration: type I for analog devices and type II for digital devices. These two types have a radically different filter design.

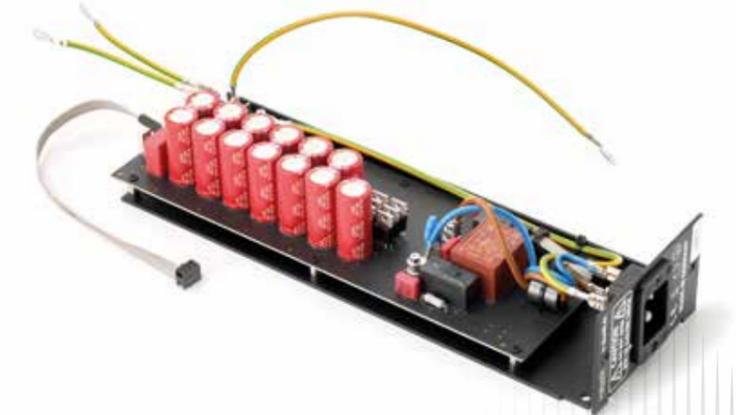
Type I is a series filter network in which coils conduct the useful current, offering a high level of resistance against interference.

Type II, however, is a parallel filter network that diverts troublesome interference frequencies to ground. This filter network is also very finely tuned to the requirements of an audio system.

The central core

Many household devices use only a half-wave of the AC mains current. For this reason, the 50 Hz sine waveform is asymmetrical and DC voltage components appear (DC offset). This leads to an "asymmetrical" power supply to the connected hi-fi components, leading to potential saturation of the unit's internal transformers. On top of the many adverse sonic effects and impaired efficiency, this also results in the transformer making an annoying buzzing sound.

At the heart of every Referenz Power Station AC-4500 is its powerful DC suppression, filtering DC components from the power system. This ensures that the connected devices are re-supplied with "symmetrical" current, so protecting the transformers from magnetic saturation.





The housing

The Power Station's sensitive technology is protected by a robust metal housing made of 2 mm-thick galvanized sheet steel. It has an elegant front panel made of brushed aluminum. The interior of the housing is designed so that the socket groups are shielded from one another, and any interference stemming from the connected devices is unable to propagate.

Configuration FULL 6F

3 x analog filter boards &
3 x digital filter boards
(see image)

Configuration MID 3F

1 x analog filter board &
2 x digital filter boards

Configuration MID 3F

2 x analog filter boards &
1 x digital filter board

Configuration MID 2F

1 x analog filter board &
1 x digital filter board
(see image)

Configuration SMALL 1F

1 x digital filter board
(see image)

Configuration SMALL 1F

1 x analog filter board

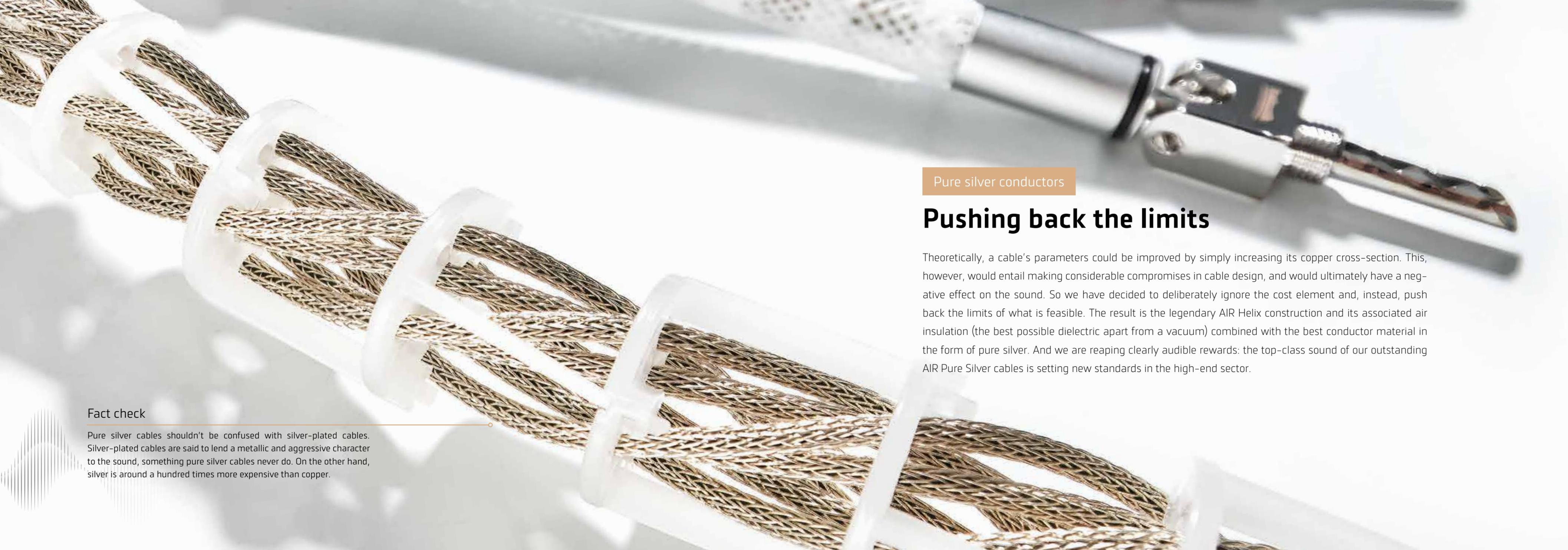
Surge protection

The Referenz Power Station AC-4500 is surge protected in order to shield the unit and any connected devices from extreme voltage peaks (possibly stemming from household devices with poor interference suppression, building infrastructure, machinery or atmospheric interference). Unlike conventional units, the AC-4500 comes with an additional "gas discharge pill". Over time, recurring overvoltages (transients) can damage standard components or even destroy them, compromising the surge protection or even rendering it completely ineffective. In the case of the AC-4500, however, its gas discharge pill absorbs the majority of the energy peak and ensures long-lasting, reliable surge protection.



The versions

The Power Station AC-4500 is available in several versions – from a basic model with one filter for all six sockets through to the top model that comes equipped with six separate filters, one for each socket. The models differ not only in the number of filters they have, but also in the combination of filter types I and II they provide.



Pure silver conductors

Pushing back the limits

Theoretically, a cable's parameters could be improved by simply increasing its copper cross-section. This, however, would entail making considerable compromises in cable design, and would ultimately have a negative effect on the sound. So we have decided to deliberately ignore the cost element and, instead, push back the limits of what is feasible. The result is the legendary AIR Helix construction and its associated air insulation (the best possible dielectric apart from a vacuum) combined with the best conductor material in the form of pure silver. And we are reaping clearly audible rewards: the top-class sound of our outstanding AIR Pure Silver cables is setting new standards in the high-end sector.

Fact check

Pure silver cables shouldn't be confused with silver-plated cables. Silver-plated cables are said to lend a metallic and aggressive character to the sound, something pure silver cables never do. On the other hand, silver is around a hundred times more expensive than copper.

Loudspeaker cable

LS-4005 AIR Pure Silver

- AIR Helix Point-to-Point
- Dielectric: air
- 16-fold multicore
- Cross Link Super Speed waveguide
- 2 x 9.6 mm² (16 x 1.2 mm²)
- Pure silver
- Cable diameter: 40 mm
- Connectors: BFA 360°; Spade lug 360°
- Beryllium copper (BFA); tellurium copper (Spade)
- Rhodium-coated
- Single bi-wire; single wire
- Pressure-grouted contacts (1.5 tonnes)
- Individual inspection prior to shipping
- Length: 2x3.0m | Custom lengths on request

From €35,499

"The four seasons being evoked by the Anne Bisson Trio on the direct-to-disc LP recording of the Four Seasons in Jazz – Live at Bernie's developed into a hot-cold trip complete with goosebumps because this already fantastic recording received a simply staggering sense of presence and immediacy from the in-akustik Referenz LS-4004 Air Pure Silver. These white snakes can really fly if you feed them the right kind of music. They're unbelievably good. One of the best loudspeaker cables money can buy." Fidelity | Previous model LS-4004 AIR Pure Silver

BFA & SPADE

360°

MULTICORE

16

CROSS-SECTION

19.2



"That which cannot be, must not be"
is an outdated maxim.
A new benchmark!

HiFi Sound & Music
Previous model LS-4004 Air Pure Silver



Loudspeaker cable

LS-2405 AIR Pure Silver

- AIR Helix Point-to-Point
- Dielectric: air
- 8-fold multicore
- Cross Link Super Speed waveguide
- 2 x 4.8 mm² (8 x 1.2 mm²)
- Pure silver
- Cable diameter: 25 mm
- Connectors: BFA 360°; Spade lug 360°
- Beryllium copper (BFA); tellurium copper (Spade)
- Rhodium-coated
- Single bi-wire; single wire
- Pressure-grouted contacts (1.5 tonnes)
- Individual inspection prior to shipping
- Length: 2x3.0m | Custom lengths on request

From €21,499



"The best cable ever connected here between amp and speakers" Audio*
 "I know the recording well, and was always fascinated how long you can hear the piano strings reverberate in spite of the following sounds. And it's amazing how the Petersen Quartet spins delicate webs around the piano part, but is also able to contribute a harsh and energetic challenge! That's rarely been heard more gracefully and expressively than with the LS-2404 Air Pure Silver (and only by using significantly superior and much more expensive source devices)." image hifi | *Previous model LS-2405 AIR Pure Silver

BFA & SPADE

360°

MULTICORE

8

CROSS-SECTION

9.6



Loudspeaker cable

LS-1205 AIR Pure Silver

- AIR Helix Point-to-Point
- Dielectric: air
- 4-fold multicore
- Cross Link Super Speed waveguide
- 2 x 2.4 mm² (4 x 1.2 mm²)
- Pure silver
- Cable diameter: 13 mm
- Connectors: BFA (plastic); Spade lug (solid metal)
- Beryllium copper (BFA); tellurium copper (Spade)
- Rhodium-coated
- Single wire
- Pressure-grouted contacts (1.5 tonnes)
- Individual inspection prior to shipping
- Length: 2x3.0m | Custom lengths on request

From €12,499



"The copper cable was already pretty subtle, but the silver version adds another level, particularly in terms of impulsiveness. Everything seemed more effortless [...] And there's this wonderful song for testing purposes, "Jenny Wren" by Paul McCartney, a superb ballad with highly-precise impulses. An acoustic guitar to left and right, the vocalist in the middle. The bass comes in after the second refrain, followed by a saxophone solo. Fabulous music, captured using the highest quality sound resources. This is the material the LS-1204 AIR Pure Silver thrives on – the music appears magically three-dimensional, the strings have a significantly clearer sense of presence". stereoplay | Previous model LS-1204 AIR

BFA & SPADE

BASIC

MULTICORE

4

CROSS-SECTION

4.8



NF-2405 AIR Pure Silver

- AIR Helix Point-to-Point
- Dielectric: air
- Symmetrical design
- Cross Link Super Speed waveguide
- Pure silver
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 25 mm
- Connectors: RCA SL; XLR 180° +/- 45° rotatable
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- XLR: soldered
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €3,899

To add a further sound highlight on top of the AIR design, we turned the spotlight on the conductor material. Pure copper is a very good conductor. A superconductor, where electrical resistance is zero, would be perfect, of course. Unfortunately, superconducting materials require temperatures of at least -70 degrees. Under realistic operating conditions, the best conducting material we have is currently silver. At 61.35 S/m, its conductivity is about six percent better than that of copper. However, this precious metal is about 100 times more expensive.

<p>XLR 180°</p>	<p>RCA SL</p>	<p>DESIGN</p>  <p>RCA XLR</p>
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Why not simply increase the cross-sectional area of the copper wire? Unfortunately, this would entail making considerable compromises in cable design, and would ultimately have negative effects on the sound. So we have decided to deliberately ignore the cost element and, instead, push back the limits of what is feasible. What we came up with combines the legendary AIR Helix design with the best conductive material in the form of pure silver – in place of alloyed or simply silver-plated conductors. And we are reaping clearly audible rewards.

Audio cable

NF-1205 AIR Pure Silver

- AIR Helix Point-to-Point
- Dielectric: air
- Symmetrical design
- Cross Link Super Speed waveguide
- Pure silver
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 13 mm
- Connectors: XLR 180° +/- 45° rotatable
- Contact material: tellurium copper
- Rhodium-coated
- XLR: soldered
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €1,299

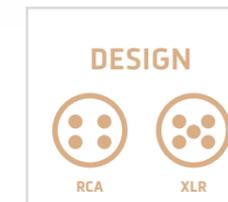


Digital cable

Digital-2405 AIR Pure Silver

- AIR Helix Point-to-Point
- Dielectric: air
- Double symmetrical design
- Cross Link Super Speed waveguide
- Pure silver
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 25 mm
- Connectors: RCA SL; XLR 180° +/- 45° rotatable
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- XLR: soldered
- Wave impedance: 110 ohms (XLR); 75 ohms (RCA)
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €2,699



Phono cable

Phono-2405 AIR Pure Silver

- AIR Helix Point-to-Point
- Dielectric: air
- Double symmetrical design | Additional ground wire
- Cross Link Super Speed waveguide
- Pure silver
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 25 mm
- Connectors: RCA SL; XLR 180° +/- 45° rotatable; SME; SME 90°
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- XLR: soldered
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €3,199



XLR
180°

RCA
SL

DESIGN

RCA | XLR | SME | SME 90°

Phono cable

Phono-1205 AIR Pure Silver

- AIR Helix Point-to-Point
- Dielectric: air
- Double symmetrical design | Additional ground wire
- Cross Link Super Speed waveguide
- Pure silver
- Shielding: thick copper braiding, tin-plated (oxidation protection)
- Cable diameter: 13 mm
- Connectors: RCA SL; SME
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- Individual inspection prior to shipping
- Length: 1 m; 1.5 m; 2 m | Custom lengths on request

From €2,699



RCA
SL

DESIGN

RCA | SME

Our beating heart

The cable manufacturing unit



The beating heart of in-akustik, its in-house cable plant, is located in Ballrechten-Dottingen, Germany. This is where our success story is rooted – permeated by a congenial working atmosphere, a love of music and a passion for detail. At in-akustik, we believe musical enjoyment stems from a listening experience that remains as close as possible to the original recording and the artist's interpretation of the piece. That's why we boast a committed workforce that combines curiosity with a keen sense of precision. With a fascination for music and things that are really special – like the development of our complex AIR cables.





Rigorous quality control

We manufacture in accordance with the highest standards. Rigorous quality control is carried out before, during and subsequent to assembly. We verify the tolerances of every individual component. At every stage of manufacturing, we check the configuration and electricians for short-circuits. We also conduct functional and mechanical testing. No product leaves our manufacturing unit without a final quality check.



Hand-crafted, custom-made cables

Every single cable in our Excellence and Referenz series is carefully made by hand in Ballrechten-Dottingen. Our in-house expertise and the skills of our workforce enable us to manufacture technically intricate cables and customize them in line with the wishes of our customers. Apart from the finest of materials, our most important resource is the manual dexterity of our cable makers. In assembling our outstanding cables, our team needs to demonstrate meticulousness, composure, enthusiasm and dedication.



High-quality materials

Crucial to the quality of cables are their design, shielding and materials. Alongside architecture, we place a special emphasis on high-quality materials. We use only the purest and most conductive copper for our cables. Cast to a thickness of around 10 mm, the coils of copper wire are subjected to stringent purity tests. After passing these tests, the copper wire is drawn in several stages until the required diameter is reached, and then further processed in a cable plant in Germany. Finally, the cable is refined and assembled in our in-house manufacturing unit.





Power Station AC-4500

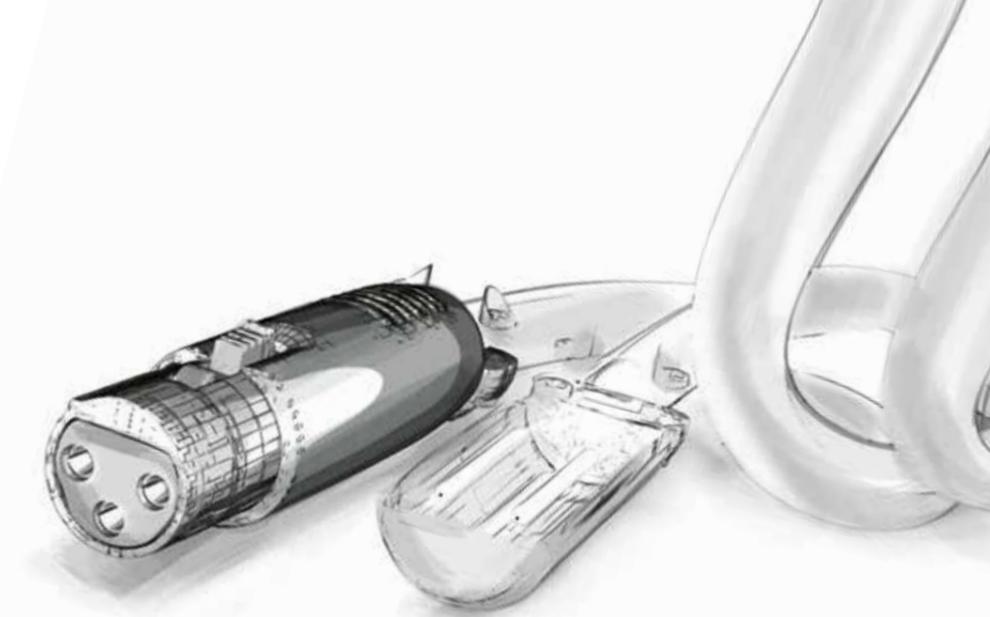
The Power-Station AC-4500 is our latest innovation. Developed entirely in-house, like our AIR cables this power filter is also manufactured at our own production facility.

Innovative development and manufacturing of cables and electronic components

We specialize in developing cables that enable practically loss-free signal transport between playback device, amplifier and speakers.

Developing a new cable is a slow and arduous process. The various design and construction phases between conception and production are accompanied by frequent tests, rejections, corrections, variations and checks.

Cables and connections are highly sensitive objects. Keeping the typical physical phenomena that occur during transmission of signals in check requires technical skills and the very best materials. We work day in and day out on further refinements. Utilizing our AIR technology, developed in-house, we have created cables that transport audio signals with scarcely any loss over the entire frequency range. The sound spectrum is enhanced in terms of both clarity and precision.





Entering the high-end world

Micro AIR technology

Our Referenz AIR cables have already caused something of a sensation in the world of high-end connections. And we have used the very same principles of physics to develop our Referenz Micro AIR series. As the name suggests, air plays a central role in this technology due to its excellent dielectric properties.

Cables in general don't produce any sound; they have a filtering effect and interact with the other audio components. We believe audio connections should be as unobtrusive as possible and cause no sound coloration. Although such effects may be astonishing to hear the first time around, they actually distort the original, and become annoying over time. The challenge is therefore to keep any losses and interactions to an absolute minimum. This was our aim during development of the Micro Air series – and once again we achieved our goal.

Our physical approach

Micro AIR technology

We are not able to switch off the laws of nature, so the best we can do is use them as ingeniously as possible. Due to the laws of nature, every cable exerts so-called parasitic effects. These include capacitance – the capacity to store energy like a battery and release it again with a time delay. This effect has a considerable impact on the transmission of audio signals and is therefore unwelcome. Capacitance is a physical property, and its value depends on a number of different factors, one of the most important of which is the insulation material used, also known as the "dielectric". The dielectric material can considerably increase the capacitance of the cable. Because air doesn't do this, it's ideal for insulation purposes. One of the insulation elements in the MICRO AIR technology is a complex, diamond-shaped structure. The tiny chambers created by this structure increase the distance between the conductors and raise the air content of the insulation. This method reduces troublesome capacitance effects and optimizes the cable's transmission characteristics for the sensitive audio signals it needs to transport.



Electrostatics and capacitance

It's something we're all familiar with: when you take off a sweater with a high synthetic content you hear a crackling sound. The reason for this is that the integrated plastic material stores electrical energy, and then discharges it again. The same thing happens in the dielectric material of a cable. It "absorbs" electrical energy like a sponge and then releases it again. In the case of an audio cable, however, this electrical energy is part of the audio signal.

This problematic storage capacity of a cable is referred to as its "capacitance". While capacitors intended to store energy should have a correspondingly high capacitance, the capacitance of a cable should be as low as possible. If this is not the case, it can have a serious detrimental effect on the transmission characteristics and also lead to interactions with connected electronic devices. The ideal solution is therefore air insulation such as that implemented with the Micro AIR (and previous AIR technology), reducing the capacitance to an absolute minimum.

Concentric copper

Unlike the sometimes chaotic arrangement of individual wires in conventional conductor designs, concentric copper conductors are arranged in a precisely defined multi-layer pattern. This design reduces irregular contacts between the wires, so harmonizing the signal flow and minimizing run-time differences. Impulses are reproduced with pinpoint accuracy and the spatial information in the music is preserved. A thin layer of polyethylene protects the pure copper against oxidation.



Dielectric

The air chambers in Micro AIR lower the capacitance

Loudspeaker cable

LS-404

- Micro AIR technology
- Dielectric: air chambers
- 8-fold multicore
- Conductor design: concentric copper
- $2 \times 10.48 \text{ mm}^2$ ($8 \times 2.62 \text{ mm}^2$)
- Pure OFC copper
- Cable diameter: 16.5 mm
- Connectors: BFA; Spade lug; Easy Plug
- Connector material: solid metal
- Contact material: brass (Spade) | beryllium copper (BFA)
- Rhodium-coated
- Single bi-wire; single wire
- Screw-type contacts
- Length: 2x3.0m | Custom lengths on request

From €909



"Inakustik recommends the LS-404 Micro Air 'first and foremost for full-size floor-standing loudspeakers'. Personally, I would phrase this a little differently. The Inakustik LS404 Micro Air is a fantastic cable for all full-range broadband speakers that don't require 'support' in a specific frequency range and are able to adequately deal with the extremely high resolution and precise dynamics transported by the Inakustik LS-404 Micro Air." Value for money: excellent. HiFi-Test

MULTICORE

8

CROSS-SECTION

20.96

DIAMETER

16.5

Loudspeaker cable

LS-204 XL

- Micro AIR technology
- Dielectric: air chambers
- 6-fold multicore
- Conductor design: concentric copper
- $2 \times 7.86 \text{ mm}^2$ ($6 \times 2.62 \text{ mm}^2$)
- Pure OFC copper
- Cable diameter: 13 mm
- Connectors: BFA; Spade lug; Easy Plug
- Connector material: solid metal
- Contact material: brass (Spade) | beryllium copper (BFA)
- Rhodium-coated
- Single wire
- Screw-type contacts
- Length: 2x3.0m | Custom lengths on request

From €809



"It's a joy to hear Paul Kuhn and his orchestra really getting into the swing of things. In our group of test cables, the LS-204 XL Micro AIR is one of those displaying the greatest sensitivity to the sounds they transport. And it does this in an extremely pleasant and wonderfully balanced way, without showing any particular partiality. in-akustik doesn't go in for coloration or masking [...] The in-akustik Referenz LS-204 XL Micro Air is the most elegant and 'neutral' speaker cable in our test, and therefore my top choice." HiFi-IFAS

MULTICORE

6

CROSS-SECTION

15.72

DIAMETER

13

Loudspeaker cable

LS-204

- Micro AIR technology
- Dielectric: air chambers
- 4-fold multicore
- Conductor design: concentric copper
- $2 \times 5.24 \text{ mm}^2$ ($4 \times 2.62 \text{ mm}^2$)
- Pure OFC copper
- Cable diameter: 10.5 mm
- Connectors: BFA; Spade lug; Easy Plug
- Connector material: solid metal
- Contact material: brass (Spade) | beryllium copper (BFA)
- Rhodium-coated
- Single wire
- Screw-type contacts
- Length: 2x3.0m | Custom lengths on request

From €659



"The 204 series is technically sophisticated, free of any esoteric touches or perplexing show effects, and an example of perfect craftsmanship. If you're looking round for a new or alternative cable that will satisfy your needs for years to come, look no further! Just give it try! [...] I have regarded this company, based in southern Germany, as a solid and serious manufacturer for quite some time now, and it doesn't go in for 'voodoo.' Up to now, I have been particularly impressed by their small and reasonably-priced series that consistently excel in terms of flawless workmanship and purity of sound." Fidelity

MULTICORE

4

CROSS-SECTION

10.48

DIAMETER

10.5



Loudspeaker cable

LS-104

- Micro AIR technology
- Dielectric: air chambers
- Twisted pair
- Conductor design: concentric copper
- $2 \times 2.62 \text{ mm}^2$
- Pure OFC copper
- Cable diameter: 8.5 mm
- Connectors: BFA; Spade lug; Easy Plug
- Connector material: solid metal
- Contact material: brass (Spade) | beryllium copper (BFA)
- Rhodium-coated
- Single wire
- Screw-type contacts
- Length: 2x3.0m | Custom lengths on request

From €489



"Thanks to its Micro Air technology, cable specialist in-akustik is able to offer top sound quality at reasonable prices. The new LS-104 Micro Air loudspeaker cables and NF-104 RCA signal cable are based on the technology developed for the considerably more expensive Air series, but are nevertheless the perfect companions for high-quality hi-fi components. Ambitious music lovers should definitely consider testing them on their own audio systems." Value for money: excellent. HiFi-Test

TWISTED PAIR

2

CROSS-SECTION

5.24

DIAMETER

8.5





Micro AIR

Audio cables

Because the outputs on hi-fi devices only supply extremely weak signals and are sensitive to high cable capacitance, the capacitance of a cable plays a significant role when connecting components together. A "low-pass filter" can be created that cuts off high frequencies and also causes phase shifts. This is the reason why RCA and XLR audio cables are ideal companions for the air-based insulation used in the MICRO AIR technology. In addition to this, we have also developed a completely new and entirely solder-free RCA connector for the MICRO AIR series. It consists of several component parts that are only joined together during course of the assembly process. The cable ends are prepared in our cable manufacturing unit, with meticulous care and a passionate attention to detail. They are then inserted into contact pins made of tellurium copper and pressure-grouted using a force of 1.5 tonnes.



Audio cable

NF-204

- Micro AIR technology
- Dielectric: air chambers
- Symmetrical design
- Conductor design: concentric copper
- Pure OFC copper
- Shielding: 2-fold (braid + foil)
- Cable diameter: 6.5 mm
- Connectors: RCA; XLR
- Connector material: solid metal
- Contact material: tellurium copper (RCA); brass (XLR)
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- XLR: soldered
- Rhodium-coated
- Length: 0.75 m; 1 m; 1.5 m | Custom lengths on request

From €339



"These are certainly some of the fairest cables we have ever welcomed to our listening room. We registered a clear enhancement in comparison with no-name cables. Wherever did this airiness come from, and the fresh, deep-bass power? We clearly need to credit the cables with these wondrous changes. Once again, we found ourselves astonished by something many experts would banish to the homeopathic corner. But they would be wrong! Cables aren't just interchangeable flimsy wires; they can completely transform a sound profile. A cable can calm down an abrasive system, and the right cable can bring new vitality to sleepy audio chains." Audio

SHIELDING 2	DIAMETER 6.5	DESIGN RCA XLR
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Audio cable

NF-104

- Micro AIR technology
- Dielectric: air chambers
- Coaxial design
- Conductor design: concentric copper
- Pure OFC copper
- Shielding: 2-fold (braid + foil)
- Cable diameter: 4.2 mm
- Connectors: RCA
- Connector material: solid metal
- Contact material: tellurium copper
- Rhodium-coated
- RCA: pressure-grouted contacts (1.5 tonnes) | hermetic ground connection
- Length: 0.75 m; 1 m; 1.5 m | Custom lengths on request

From €279



"The requirements for discernible sound enhancements are pretty clear: a high-quality audio system, optimum placement and a suitable listening room. While it's true that the Micro Air doesn't add anything to the music signal or improve the system, what it does is ensure all the components can demonstrate their full potential – and that's precisely what an ideal hi-fi cable should do!" HiFi-Test

SHIELDING 2	DIAMETER 4.2	 RCA
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Logistics

We operate an ERP-driven logistics center that ensures rapid availability and smooth material flows.

Who we are

A manufacturer, a music label and compelling brands

Since 1977 we have been zealously striving to bring you an authentic and "low-loss" sound experience. Our production facility, located in Ballrechten-Dottingen in the southwest of Germany, is the beating heart of our company. Why not make something special even better? This is our motto on the ongoing journey to create an extraordinary sound experience for our customers.

- ✓ Over 45 years of market success
- ✓ A workforce of 40 music enthusiasts
- ✓ Employees who average 16 years of service
- ✓ Production facilities covering 450 m²
- ✓ 10 cable assemblers
- ✓ 3,000 storage locations over 1,350 m²
- ✓ Brands: in-akustik Cables & in-akustik Music
- ✓ Partners: Primare & Audiovector



Music repertoire

in-akustik music label

When we founded our own music label in 1986, our aim was to offer music fans exceptional listening experiences featuring outstanding artists. And we remain true to this principle.



Here too, our primary goal is to turn music into pure pleasure. Providing authentic recordings, precisely as the artists on the stage or in the studio intended. Our complete music repertoire is available on our website at www.in-akustik.de.

Renowned brands

Primare & Audiovector

For audiophile connoisseurs and novices: top-class hi-fi, streaming and home cinema components, hand-built loudspeakers, amplifiers or preamps for turntables – in addition to our cables and high-end recordings, music fans can find everything else they need to complete their listening enjoyment, from renowned brands like Primare and Audiovector.



in-akustik service

Test listening at home

Are you looking around for new audio components or want to know how far top-class cables will improve your existing system?

Are you still unsure about which components you should opt for? If so, our test listening shop is the ideal address for you.

For a 14-day period you can test Primare audio components, Audiovector loudspeakers or our AIR cables as part of your own system at home – with no strings attached. Service only available in Germany and Austria.

- ✓ Test high-end equipment at home for 14 days.
- ✓ Completely free of charge. No risks involved.
- ✓ We arrange for deliveries and collections.
- ✓ Sounds interesting? We'll put you in touch with a dealer.



 probehoeren.in-akustik.de

in-akustik Academy

Free hi-fi webinars

Our audio experts organize regular informative webinars on a broad range of hi-fi topics. By participating, you can profit from their wealth of experience and pick up useful tips about many aspects of hi-fi in general. Learn how to raise your enjoyment of music to a new level, or find out why your system isn't delivering the sound quality you would expect, and what measures you can take to improve this. Join in and let our experts guide you through the fascinating world of hi-fi. We look forward to sharing our knowledge and enthusiasm with you.

- ✓ Practical tips for better sound!
- ✓ Hi-fi for beginners – explained in simple language!
- ✓ The fascination of sound: an audio signal's long journey
- ✓ Optimum placement of loudspeakers
- ✓ Busting the bi-wiring myth
- ✓ Streaming – simply a convenience or a powerful sound source too?
- ✓ Electricity – the raw material of fine sound!

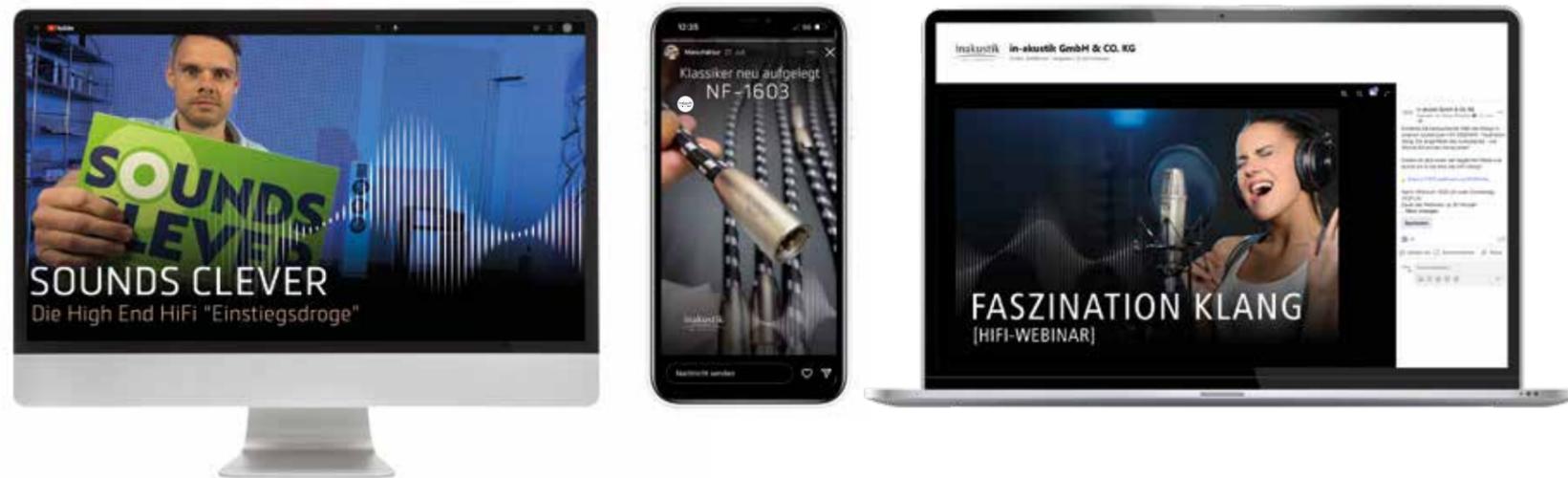
 Free registration: in-akustik.de



in-akustik cosmos

Our community

Would you like more than simply an article number and a brief description? You can learn more on our website, on our YouTube channel, or on Instagram and Facebook. These are valuable sources for news, webinar announcements, insides and background information about in-akustik.



 [youtube.com/inakustikTV](https://www.youtube.com/inakustikTV)

 [instagram.com/inakustik_germany](https://www.instagram.com/inakustik_germany)

 [facebook.de/inakustik](https://www.facebook.de/inakustik)

in-akustik reviews

Tributes that spur us on in our endeavors

"The best cable ever connected here between amp and speakers."

LS-2404 AIR Pure Silver | AUDIO

"This was completely unexpected, I freely admit it.

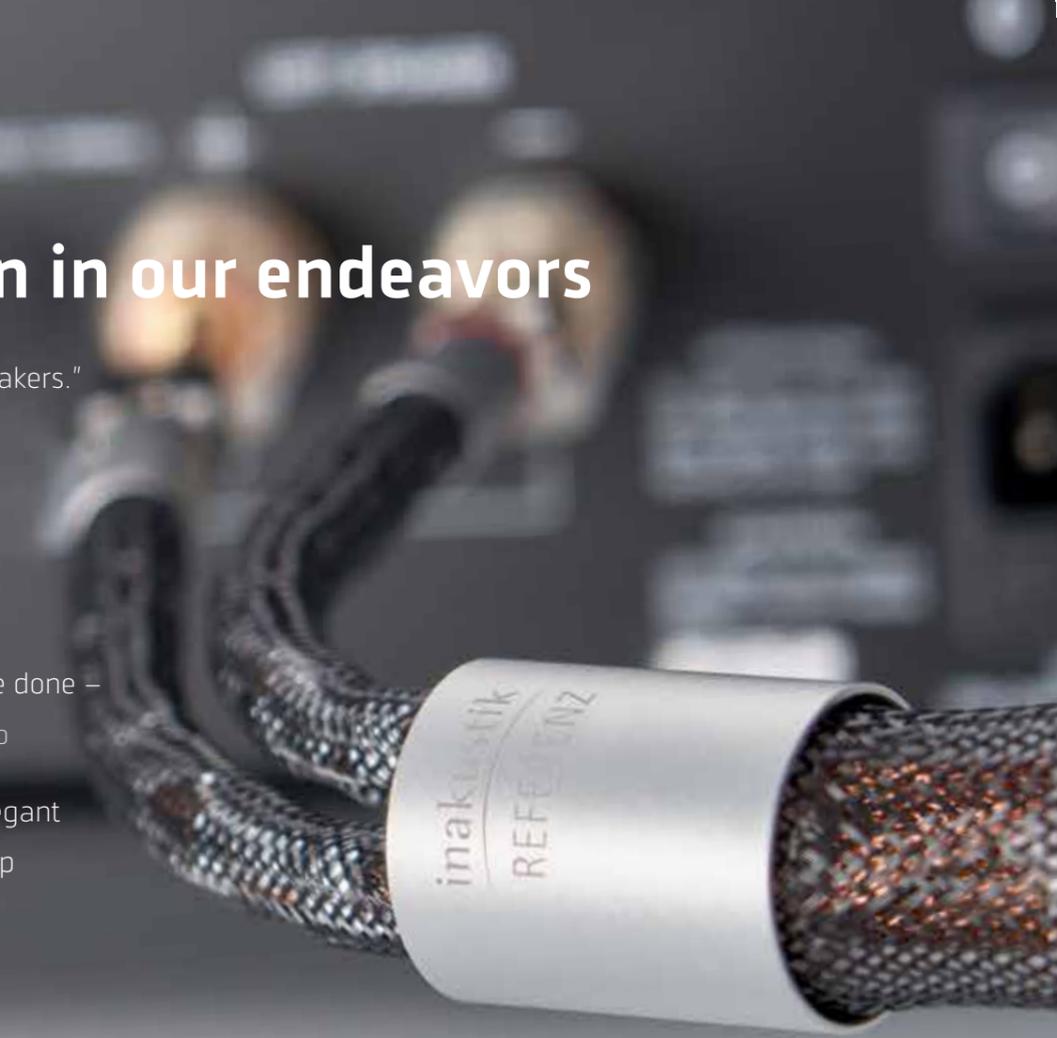
I can only congratulate in-akustik on its huge achievement.

Can I have one too?" AC-4500 | HiFi Test

"A stroke of genius that shows competitors how it should be done – in terms of sound too | Superb craftsmanship" LS-1204 AIR | AUDIO

The in-akustik Referenz LS-204 XL Micro Air is the most elegant and "neutral" speaker cable in our test, and therefore my top choice." LS-204 XL | HiFi-IFAs

"A masterpiece of electrical engineering" AC-4500 | Stereo



 [Read more reviews on in-akustik.de](https://www.in-akustik.de)

Did you know that ...

Many of our former trainees are now working in senior positions – in development, marketing and company management. On average, our employees have been with the company for 16 years. A fact that makes us rightly proud and truly grateful.

Your hotline to in-akustik.

+49 (0) 7634 56100



Jan Ziethen

2 years at the company

Completed two different traineeships at in-akustik, as a warehouse specialist and commercial clerk. He is now responsible for organizing our test listening service and has become an indispensable part of our internal salesforce.

Sven Schulz

16 years at the company

Joined us in 2007 to take the reins in our export department after studying business administration and gaining extensive experience abroad. Now, he heads up all our sales activities – when he's not on the tennis court ;-)

Tobias Tritschler

25 years at the company

In a sense, he owes a debt to Luther Allison for making him aware of in-akustik. He completed a traineeship and a degree in business administration. A passionate drummer, he is now head of our marketing department.

Holger Wachsmann

28 years at the company

Holger is a qualified communication electronics technician. At in-akustik, he also completed a traineeship as a commercial clerk and business administrator. Our cable whiz is the brains behind in-akustik's AIR technology.

Guido Lay

29 years at the company

Guido definitely has high-end in his blood. At in-akustik, he is responsible for marketing our high-end sales brands. Guido can't really imagine a life without music (or bikes).

Vivian Frommherz

6 years at the company

Vivian coordinates the production planning at our manufacturing unit. Given that we've tripled our production capacities over the last five years, this is a challenging role.



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Manufacturing and warehouse team

Not often in the spotlight, but crucial to our success: our manufacturing and warehouse team



Loudspeaker cables



Point-to-point Air Helix	x	x	x	x	x	x
Air dielectric for low capacitance	x	x	x	x	x	x
Pure silver	x		x		x	
Pure OFC copper		x		x		x
Cross Link Super Speed waveguide	x	x	x	x	x	x
Multicore	16	16	8	8	4	4
Conductor cross-section	2 x 9.6 mm ²	2 x 9.6 mm ²	2 x 4.8 mm ²	2 x 4.8 mm ²	2 x 2.4 mm ²	2 x 2.4 mm ²
PE network jacket	x	x	x	x	x	x
Lacquered wires	x	x	x	x	x	x
Cable diameter	40 mm	40 mm	25 mm	25 mm	13 mm	13 mm
Made in Germany	x	x	x	x	x	x
Single wire	x	x	x	x	x	x
Single bi-wire	x	x	x	x		
BFA 360°	x	x	x	x		
BFA Basic					x	x
Spade lug 360°	x	x	x	x		
Spade lug Basic					x	x
Tellurium copper	Spade	Spade	Spade	Spade	Spade	Spade
Beryllium copper	BFA	BFA	BFA	BFA	BFA	BFA
Rhodium-coated	x	x	x	x	x	x
Pressure-grouted contacts (1.5 tonnes)	x	x	x	x	x	x
Standard length	2 x 3 m	2 x 3 m	2 x 3 m	2 x 3 m	2 x 3 m	2 x 3 m
Custom lengths	x	x	x	x	x	x
Page in catalog	46	18	48	20	49	21
RRP (from)	€35,499	€7,799	€21,499	€4,799	€12,499	€2,399

Audio & digital cables

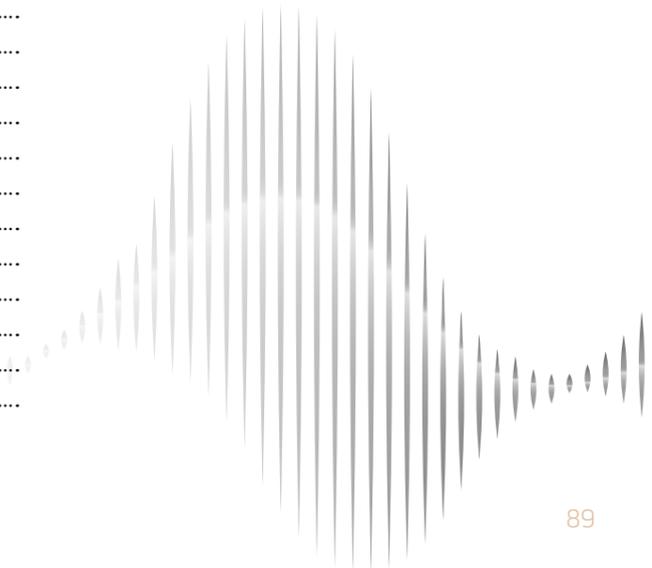


	NF-2405 AIR Pure Silver	NF-2405 AIR	NF-1205 AIR Pure Silver	NF-1205 AIR	Digital-2405 AIR Pure Silver	Digital-2405 AIR
Point-to-point Air Helix	x	x	x	x	x	x
Air dielectric for low capacitance	x	x	x	x	x	x
Pure silver	x		x		x	
Pure OFC copper		x		x		x
Cross Link Super Speed waveguide	x	x	x	x	x	x
RCA design	Symm.	Symm.		Coaxial	Double symm.	Double symm.
XLR design	Symm.	Symm.	Symm.	Symm.	Double symm.	Double symm.
Shielding: thick copper braiding, tin-plated	x	x	x	x	x	x
PE network jacket	x	x	x	x	x	x
Lacquered wires	x	x	x	x	x	x
Cable diameter	25 mm	25 mm	13 mm	13 mm	25 mm	25 mm
Wave impedance					75 Ω RCA 110 Ω XLR	75 Ω RCA 110 Ω XLR
Made in Germany	x	x	x	x	x	x
RCA SL	x	x		x	x	x
XLR 180°	x	x	x	x	x	x
Tellurium copper	x	x	x	x	x	x
Rhodium-coated	x	x	x	x	x	x
Pressure-grouted contacts (1.5 tonnes)	RCA SL	RCA SL		RCA SL	RCA SL	RCA SL
Soldered	XLR 180°	XLR 180°	XLR 180°	XLR 180°	XLR 180°	XLR 180°
Standard length	1 m; 1.5 m; 2 m	1 m; 1.5 m; 2 m	1 m; 1.5 m; 2 m	1 m; 1.5 m; 2 m	1 m; 1.5 m; 2 m	1 m; 1.5 m; 2 m
Custom lengths	x	x	x	x	x	x
Page in catalog	50	24	52	26	53	27
RRP (from)	€3,899	€1,749	€1,299	€979	€2,699	€999

Phono cable



	Phono-2405 AIR Pure Silver	Phono-2405 AIR	Phono-1205 AIR Pure Silver	Phono-1205 AIR
Point-to-point Air Helix	x	x	x	x
Air dielectric for low capacitance	x	x	x	x
Pure silver	x		x	
Pure OFC copper		x		x
Cross Link Super Speed waveguide	x	x	x	x
Design	Double symm.	Double symm.	Double symm.	Double symm.
Shielding: thick copper braiding, tin-plated	x	x	x	x
PE network jacket	x	x	x	x
Lacquered wires	x	x	x	x
Cable diameter	25 mm	25 mm	13 mm	13 mm
Made in Germany	x	x	x	x
RCA SL -> RCA SL	x	x		
SME -> RCA SL	x	x	x	x
SME -> XLR 180°	x	x		
SME 90° -> RCA SL	x	x		
SME 90° -> XLR 180°	x	x		
Tellurium copper	x	x	x	x
Rhodium-coated	x	x	x	x
Pressure-grouted contacts (1.5 tonnes)	RCA SL	RCA SL	RCA SL	RCA SL
Soldered	XLR 180°	XLR 180°		
Standard length	1 m; 1.5 m; 2 m	1 m; 1.5 m; 2 m	1 m; 1.5 m; 2 m	1 m; 1.5 m; 2 m
Custom lengths	x	x	x	x
Page in catalog	54	52	55	30
RRP (from)	€3,199	€1,099	€2,699	€999





Power cord



Point-to-point Air Helix	x	x	x
Air dielectric for low capacitance	x	x	x
Pure copper	x	x	x
Multicore	16	4	4
Conductor cross-section	2 x 4.0 mm ² (16 x 0.5 mm ²)	2 x 3.0 mm ² (4 x 1.5 mm ²)	2 x 1.5 mm ² (4 x 0.75 mm ²)
PE network jacket	x	x	x
Cable diameter	40 mm	25 mm	13 mm
Protection class 1	x	x	x
Phase marking	x	x	x
Certificate included	x	x	x
Load C19:	3680 W (230 V AC / 16 A)	3680 W (230 V AC / 16 A)	3680 W (230 V AC / 16 A)
Load C15:	2300 W (230 V AC / 10 A)	2300 W (230 V AC / 10 A)	2300 W (230 V AC / 10 A)
Rated voltage	250 V AC 50/60 Hz	250 V AC 50/60 Hz	250 V AC 50/60 Hz
Rated current	10 A / 16 A	10 A / 16 A	10 A / 16 A
CE RoHS REACH conformity	x	x	x
Made in Germany	x	x	x
Connectors: Referenz UHQ	x	x	
Connectors: Referenz Basic		x	x
SCHUKO NEMA -> C19	x	x	x
SCHUKO NEMA -> C15 (C13)	x	x	x
Open end -> open end C19 C15 (C13)	x	x	x
Standard length	1 m; 1.5 m; 2 m; 3 m	1 m; 1.5 m; 2 m; 3 m	1 m; 1.5 m; 2 m; 3 m
Custom lengths	x	x	x
Page in catalog	32	34	35
RRP (from)	€2,799	€1,249	€989

AIR cables

LS-4005 AIR Pure Silver

007714583	Banana & Spade	SW	2 x 3 m	35,499
0077145831	Banana & Spade	SBW	2 x 3 m	35,999

LS-4005 AIR

007714532	Banana	SW	2 x 3 m	7,799
0077145321	Banana	SBW	2 x 3 m	8,199
007714533	Spade	SW	2 x 3 m	7,799
0077145331	Spade	SBW	2 x 3 m	8,199

LS-2405 AIR Pure Silver

007712583	Banana & Spade	SW	2 x 3 m	21,499
0077125831	Banana & Spade	SBW	2 x 3 m	21,999

LS-2405 AIR

007712532	Banana	SW	2 x 3 m	4,799
0077125321	Banana	SBW	2 x 3 m	5,199
007712533	Spade	SW	2 x 3 m	4,799
0077125331	Spade	SBW	2 x 3 m	5,199

LS-1205 AIR Pure Silver

0077014832	Banana & Spade	SW	2 x 3 m	12,499
0077014833	Banana & Spade	SBW	2 x 3 m	12,499

LS-1205 AIR

007701432	Banana	SW	2 x 3 m	2,399
007701433	Spade	SBW	2 x 3 m	2,399

NF-2405 AIR Pure Silver

007189310	RCA - RCA	1 m	3,899
007189315	RCA - RCA	1.5 m	5,499
007189320	RCA - RCA	2 m	7,099
0071893103	XLR - XLR	1 m	4,799
0071893153	XLR - XLR	1.5 m	6,799
0071893203	XLR - XLR	2 m	8,799

NF-2405 AIR

007187310	RCA - RCA	1 m	1,749
007187315	RCA - RCA	1.5 m	2,499
007187320	RCA - RCA	2 m	3,249
0071873103	XLR - XLR	1 m	1,849
0071873153	XLR - XLR	1.5 m	2,649
0071873203	XLR - XLR	2 m	3,449

NF-1205 AIR Pure Silver

0071856103	XLR - XLR	1 m	2,999
0071856153	XLR - XLR	1.5 m	4,199
0071856203	XLR - XLR	2 m	5,399

NF-1205 AIR

007185310	RCA - RCA	1 m	979
007185315	RCA - RCA	1.5 m	1,299
007185320	RCA - RCA	2 m	1,619
0071853103	XLR - XLR	1 m	1,299
0071853153	XLR - XLR	1.5 m	1,649
0071853203	XLR - XLR	2 m	1,999

Digital-2405 AIR Pure Silver

007189410	RCA - RCA	1 m	2,699
007189415	RCA - RCA	1.5 m	3,799
007189420	RCA - RCA	2 m	4,899
0071894103	XLR - XLR	1 m	2,999
0071894153	XLR - XLR	1.5 m	4,199
0071894203	XLR - XLR	2 m	5,399

Digital-2405 AIR

007187410	RCA - RCA	1 m	999
007187415	RCA - RCA	1.5 m	1,449
007187420	RCA - RCA	2 m	1,899
0071874103	XLR - XLR	1 m	1,099
0071874153	XLR - XLR	1.5 m	1,599
0071874203	XLR - XLR	2 m	2,099

Phono-2405 AIR Pure Silver

0071895010	RCA - RCA	1 m	3,199
0071895015	RCA - RCA	1.5 m	4,399
0071895020	RCA - RCA	2 m	5,599
0071895110	SME - RCA	1 m	3,499
0071895115	SME - RCA	1.5 m	4,699
0071895120	SME - RCA	2 m	5,899
0071895210	SME 90° - RCA	1 m	3,499
0071895215	SME 90° - RCA	1.5 m	4,699
0071895220	SME 90° - RCA	2 m	5,899
0071895310	SME - XLR	1 m	3,599
0071895315	SME - XLR	1.5 m	4,799

0071895320	SME - XLR	2 m	5,999
0071895410	SME 90° - XLR	1 m	3,599
0071895415	SME 90° - XLR	1.5 m	4,799
0071895420	SME 90° - XLR	2 m	5,999

Phono-2405 AIR

0071875010	RCA - RCA	1 m	1,099
0071875015	RCA - RCA	1.5 m	1,549
0071875020	RCA - RCA	2 m	1,999
0071875110	SME - RCA	1 m	1,199
0071875115	SME - RCA	1.5 m	1,649
0071875120	SME - RCA	2 m	2,099
0071875210	SME 90° - RCA	1 m	1,199
0071875215	SME 90° - RCA	1.5 m	1,649
0071875220	SME 90° - RCA	2 m	2,099
0071875310	SME - XLR	1 m	1,299
0071875315	SME - XLR	1.5 m	1,749
0071875320	SME - XLR	2 m	2,199
0071875410	SME 90° - XLR	1 m	1,299
0071875415	SME 90° - XLR	1.5 m	1,749
0071875420	SME 90° - XLR	2 m	2,199

Phono-1205 AIR Pure Silver

0071857103	SME - RCA	1 m	2,699
0071857153	SME - RCA	1.5 m	3,699
0071857203	SME - RCA	2 m	4,699

Phono-1205 AIR

007185510	SME - RCA	1 m	999
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007185515	SME - RCA	1.5 m	1,249
007185520	SME - RCA	2 m	1,499

AC-4005 AIR

007650210	Referenz U-HQ	SCHUKO - C15	1 m	2,799
007650215	Referenz U-HQ	SCHUKO - C15	1.5 m	3,324
007650220	Referenz U-HQ	SCHUKO - C15	2 m	3,849
007650230	Referenz U-HQ	SCHUKO - C15	3 m	4,899
007650310	Referenz U-HQ	SCHUKO - C19	1 m	2,799
007650315	Referenz U-HQ	SCHUKO - C19	1.5 m	3,324
007650320	Referenz U-HQ	SCHUKO - C19	2 m	3,849
007650330	Referenz U-HQ	SCHUKO - C19	3 m	4,899
007650410	Referenz U-HQ	NEMA - C15	1 m	2,799
007650415	Referenz U-HQ	NEMA - C15	1.5 m	3,324
007650420	Referenz U-HQ	NEMA - C15	2 m	3,849
007650430	Referenz U-HQ	NEMA - C15	3 m	4,899
007650510	Referenz U-HQ	NEMA - C19	1 m	2,799
007650515	Referenz U-HQ	NEMA - C19	1.5 m	3,324
007650520	Referenz U-HQ	NEMA - C19	2 m	3,849
007650530	Referenz U-HQ	NEMA - C19	3 m	4,899

AC-2405 AIR

007651210	Referenz U-HQ	SCHUKO - C15	1 m	1,749
007651215	Referenz U-HQ	SCHUKO - C15	1.5 m	2,024
007651220	Referenz U-HQ	SCHUKO - C15	2 m	2,299
007651230	Referenz U-HQ	SCHUKO - C15	3 m	2,849
007651310	Referenz U-HQ	SCHUKO - C19	1 m	1,749
007651315	Referenz U-HQ	SCHUKO - C19	1.5 m	2,024

007651320	Referenz U-HQ	SCHUKO - C19	2 m	2,299
007651330	Referenz U-HQ	SCHUKO - C19	3 m	2,849
007651410	Referenz U-HQ	NEMA - C15	1 m	1,749
007651415	Referenz U-HQ	NEMA - C15	1.5 m	2,024
007651420	Referenz U-HQ	NEMA - C15	2 m	2,299
007651430	Referenz U-HQ	NEMA - C15	3 m	2,849
007651510	Referenz U-HQ	NEMA - C19	1 m	1,749
007651515	Referenz U-HQ	NEMA - C19	1.5 m	2,024
007651520	Referenz U-HQ	NEMA - C19	2 m	2,299
007651530	Referenz U-HQ	NEMA - C19	3 m	2,849
007651610	Referenz BASIC	SCHUKO - C15	1 m	1,249
007651615	Referenz BASIC	SCHUKO - C15	1.5 m	1,524
007651620	Referenz BASIC	SCHUKO - C15	2 m	1,799
007651630	Referenz BASIC	SCHUKO - C15	3 m	2,349
007651710	Referenz BASIC	SCHUKO - C19	1 m	1,249
007651715	Referenz BASIC	SCHUKO - C19	1.5 m	1,524
007651720	Referenz BASIC	SCHUKO - C19	2 m	1,799
007651730	Referenz BASIC	SCHUKO - C19	3 m	2,349
007651810	Referenz BASIC	NEMA - C15	1 m	1,249
007651815	Referenz BASIC	NEMA - C15	1.5 m	1,524
007651820	Referenz BASIC	NEMA - C15	2 m	1,799
007651830	Referenz BASIC	NEMA - C15	3 m	2,349
007651910	Referenz BASIC	NEMA - C19	1 m	1,249
007651915	Referenz BASIC	NEMA - C19	1.5 m	1,524
007651920	Referenz BASIC	NEMA - C19	2 m	1,799
007651930	Referenz BASIC	NEMA - C19	3 m	2,349

AC-1205 AIR

007652610	Referenz BASIC	SCHUKO - C15	1 m	989
007652615	Referenz BASIC	SCHUKO - C15	1.5 m	1,134
007652620	Referenz BASIC	SCHUKO - C15	2 m	1,279
007652630	Referenz BASIC	SCHUKO - C15	3 m	1,569
007652710	Referenz BASIC	SCHUKO - C19	1 m	989
007652715	Referenz BASIC	SCHUKO - C19	1.5 m	1,134
007652720	Referenz BASIC	SCHUKO - C19	2 m	1,279
007652730	Referenz BASIC	SCHUKO - C19	3 m	1,569
007652810	Referenz BASIC	NEMA - C15	1 m	989
007652815	Referenz BASIC	NEMA - C15	1.5 m	1,134
007652820	Referenz BASIC	NEMA - C15	2 m	1,279
007652830	Referenz BASIC	NEMA - C15	3 m	1,569
007652910	Referenz BASIC	NEMA - C19	1 m	989
007652915	Referenz BASIC	NEMA - C19	1.5 m	1,134
007652920	Referenz BASIC	NEMA - C19	2 m	1,279
007652930	Referenz BASIC	NEMA - C19	3 m	1,569

AC-4500

AC-4500 Power Station

007645000	SCHUKO FULL 6 Filters 3 A-3 D	Black	5,249
007645004	SCHUKO MID 3 Filters 1 A-2 D	Black	4,499
007645005	SCHUKO MID 3 Filters 2 A-1 D	Black	4,499
007645001	SCHUKO MID 2 Filters 1 A-1 D	Black	4,249
007645002	SCHUKO SMALL 1 Filter 1 A	Black	3,999
007645003	SCHUKO SMALL 1 Filter 1 D	Black	3,999
0076450N0	SCHUKO FULL 6 Filters 3 A-3 D	Alu	5,249
0076450N4	SCHUKO MID 3 Filters 1 A-2 D	Alu	4,499
0076450N5	SCHUKO MID 3 Filters 2 A-1 D	Alu	4,499
0076450N1	SCHUKO MID 2 Filters 1 A-1 D	Alu	4,249
0076450N2	SCHUKO SMALL 1 Filter 1 A	Alu	3,999
0076450N3	SCHUKO SMALL 1 Filter 1 D	Alu	3,999

007645000UK	UK FULL 6 Filters 3 A-3 D	Black	5,649
007645004UK	UK MID 3 Filters 1 A-2 D	Black	4,899
007645005UK	UK MID 3 Filters 2 A-1 D	Black	4,899
007645001UK	UK MID 2 Filters 1 A-1 D	Black	4,649
007645002UK	UK SMALL 1 Filter 1 A	Black	4,399
007645003UK	UK SMALL 1 Filter 1 D	Black	4,399
0076450N0UK	UK FULL 6 Filters 3 A-3 D	Alu	5,649
0076450N4UK	UK MID 3 Filters 1 A-2 D	Alu	4,899
0076450N5UK	UK MID 3 Filters 2 A-1 D	Alu	4,899
0076450N1UK	UK MID 2 Filters 1 A-1 D	Alu	4,649
0076450N2UK	UK SMALL 1 Filter 1 A	Alu	4,399
0076450N3UK	UK SMALL 1 Filter 1 D	Alu	4,399

007645000US	US FULL 6 Filters 3 A-3 D	Black	5,649
007645004US	US MID 3 Filters 1 A-2 D	Black	4,899
007645005US	US MID 3 Filters 2 A-1 D	Black	4,899
007645001US	US MID 2 Filters 1 A-1 D	Black	4,649
007645002US	US SMALL 1 Filter 1 A	Black	4,399
007645003US	US SMALL 1 Filter 1 D	Black	4,399
0076450N0US	US FULL 6 Filters 3 A-3 D	Alu	5,649
0076450N4US	US MID 3 Filters 1 A-2 D	Alu	4,899
0076450N5US	US MID 3 Filters 2 A-1 D	Alu	4,899
0076450N1US	US MID 2 Filters 1 A-1 D	Alu	4,649
0076450N2US	US SMALL 1 Filter 1 A	Alu	4,399
0076450N3US	US SMALL 1 Filter 1 D	Alu	4,399

Micro AIR

LS-404 Micro AIR

007716333	Spade	SW	2 x 3 m	1,049
0077163331	Spade	SBW	2 x 3 m	1,149
007716331	Easy Plug	SW	2 x 3 m	909

0077163311	Easy Plug	SBW	2 x 3 m	939
007716332	Banana	SW	2 x 3 m	999
0077163321	Banana	SBW	2 x 3 m	1,099

LS-204 XL Micro AIR

007716231	Easy Plug	SW	2 x 3 m	809
007716232	Banana	SW	2 x 3 m	899
007716233	Spade	SW	2x3.0m	969

LS-204 Micro AIR

007716133	Spade	SW	2 x 3 m	819
0077161331	Spade	SBW	2 x 3 m	879
007716131	Easy Plug	SW	2 x 3 m	659
0077161311	Easy Plug	SBW	2 x 3 m	689
007716132	Banana	SW	2 x 3 m	749
0077161321	Banana	SBW	2 x 3 m	809

LS-104 Micro AIR

007716031	Easy Plug	SW	2x3.0m	489
007716032	Banana	SW	2x3.0m	579
007716033	Spade	SW	2x3.0m	659

NF-204 Micro AIR

0071881075	RCA - RCA		0.75 m	339
007188110	RCA - RCA		1 m	389
007188115	RCA - RCA		1.5 m	479
00718810753	XLR - XLR		0.75 m	359
0071881103	XLR - XLR		1.0 m	409
0071881153	XLR - XLR		1.5 m	509

NF-104 Micro AIR

0071880075	RCA - RCA		0.75 m	279
007188010	RCA - RCA		1.0 m	309
007188015	RCA - RCA		1.5 m	359





**We enjoy more things
in life than just music!**

Our company headquarters are in Ballrechten-Dottingen, in the heart of Markgräflerland. Between the Black Forest and the Rhine, south of Freiburg and north of Basel. Amidst vines laden with the fruity Chasselas grapes that are so easy on the palate. It's a wonderful place to enjoy the good things in life and, although harder to believe, a great environment in which to work as well. The perfect conditions for innovation.



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We are a member of the:

 **HIGH END SOCIETY**

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