

# PRODUCT CATALOG

IN-AKUSTIK



# inakustik

KABEL | LAUTSPRECHER | MUSIK

# FOR THE SENSES

## THERE'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 for more than 37 years – 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.



### CABLE

Perfect sound and perfect pictures are a question of harmony. Without high-quality cables, the best electronics are worthless. Cables and connections are vulnerable to faults that can only be cured by know-how. We at in-akustik take care of the technical details. We use the most sophisticated technology, the best materials and the most elegant architecture.

### INSTALLATION

The range of multimedia products from in-akustik offers you a wide spectrum for fixed multimedia installations in your home. The range consists of various panel jacks and covers for easily integrating video and audio connections in known switch systems. For ambitious video installations in the home as well as for professional use, we are offering a new professional HDMI installation range which focuses on transporting HDMI signals without loss over cable distances of up to 100 metres.

### AMBIENTECH

Whether stylish LED strips, discreet loudspeakers in a sophisticated design or inconspicuous wall pillars and skirting boards – with AmbienTech from in-akustik, you embellish your home with style. Allow yourself to be inspired by our large selection of beautiful technology that garners enthusiasm not just from professionals. In just a few steps, you create your own personal feel-good ambience.

### MUSIC & MEDIA

As one of the largest independent labels in Germany, our demand for perfect audio reproductions goes well beyond high-quality cables. It also depends on the right choice of music. We offer you rock and pop, jazz and classical, blues and singer/songwriters, as well as studio recordings for audiophiles or recordings of legendary concerts. To watch and listen to on CD, HQCD, DVD, Blu-ray or LP.

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# OUR PHILOSOPHY

## NO VOODOO, JUST WORK ON THE LAST DETAIL

Essentially, we pursue only one goal: Anything that has been recorded, mixed and produced with the highest quality must be played back without loss to ensure the highest level of enjoyment. We beat background noise and master monotony. We see ourselves as clearing the path for perfect signal transmission and as the conveyors of nuances that appeal to our eyes and ears. Recordings with the highest standards, perfect data storage media, CD- and Blu-ray-players, amplifiers and speakers are all precisely tuned to each other.

However, on the way from electronics via the amplifier to the speakers the dynamics are suppressed, high frequencies disappear, never to be heard again, and in the end even the bass grumbles saplessly away. The difficult physical phenomena, which occur when transporting signals, can only be kept under control with the finest technical finesse and the best materials. That is in-akustik's true passion: No voodoo, no dressing up, just work on the smallest of details using the best materials.



in-akustik is part of the family-run Braun Group, which, includes the cable specialist Braunkabel, the model railway manufacturer BRAWA and eagle cable.



The service we provide begins a long time before the start: With the comprehensive technical product and commercial advice and planning of individual projects or training sessions – on request on site at your location. Ranging from the exact understanding of your requirements to the development of specific solutions and concepts to the implementation in our production unit at our company headquarters.

# QUALITY LEVELS

## CABLES & ACCESSORIES

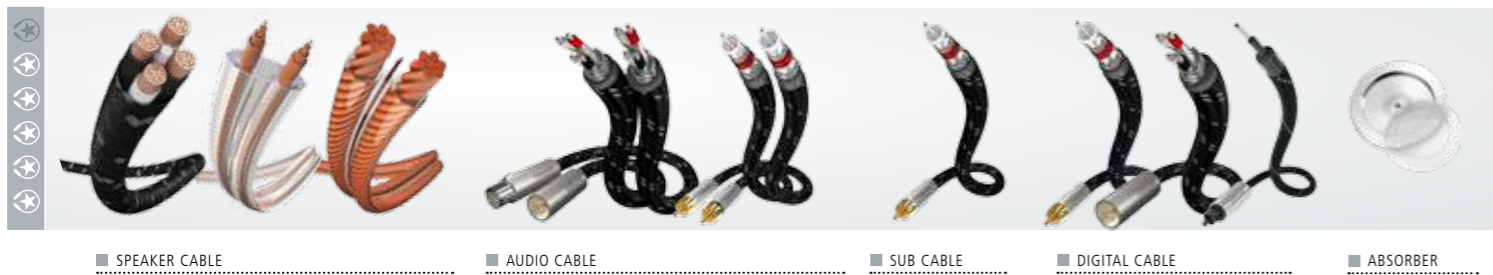
REFERENZ – THE BENCHMARK FOR PICTURE AND SOUND – SIMPLY CAN'T BEAT IT!



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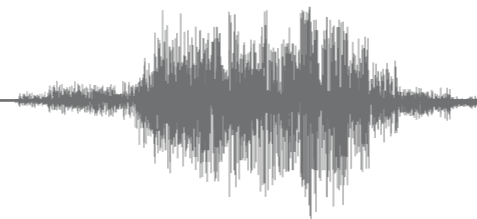
EXZELLENZ – FOR THE LOVERS OF PERFECT PICTURE AND SOUND EXPERIENCES.



EXZELLENZ – FOR THE LOVERS OF PERFECT PICTURE AND SOUND EXPERIENCES.



AUDIO



PICTURE | DATA

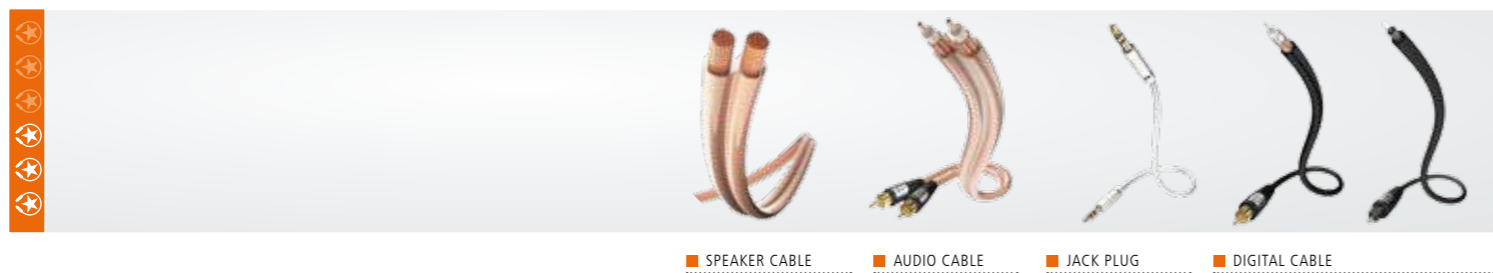
PREMIUM – PICTURE AND SOUND FOR ADVANCED USERS.



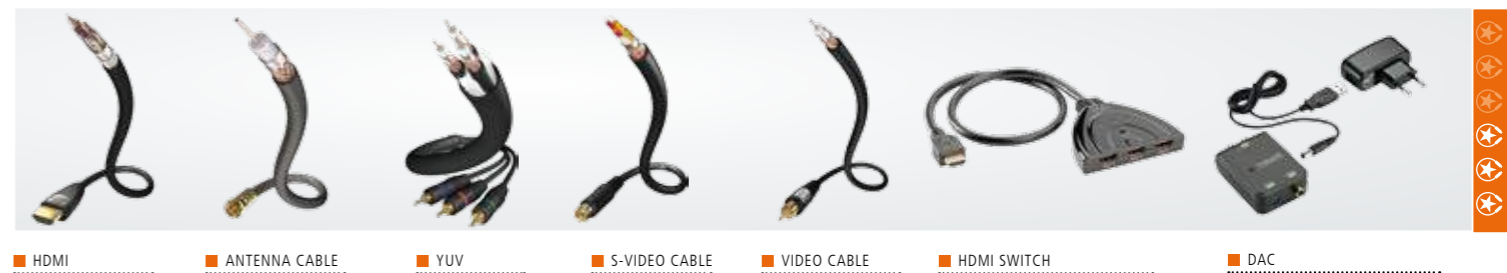
PREMIUM – PICTURE AND SOUND FOR ADVANCED USERS.



STAR – THE BEST GATEWAY TO THE WORLD OF PICTURE AND SOUND.



STAR – THE BEST GATEWAY TO THE WORLD OF PICTURE AND SOUND.





REFERENZ  
☆☆☆☆

# MADE IN GERMANY

THE SOURCE OF OUR SUCCESS.

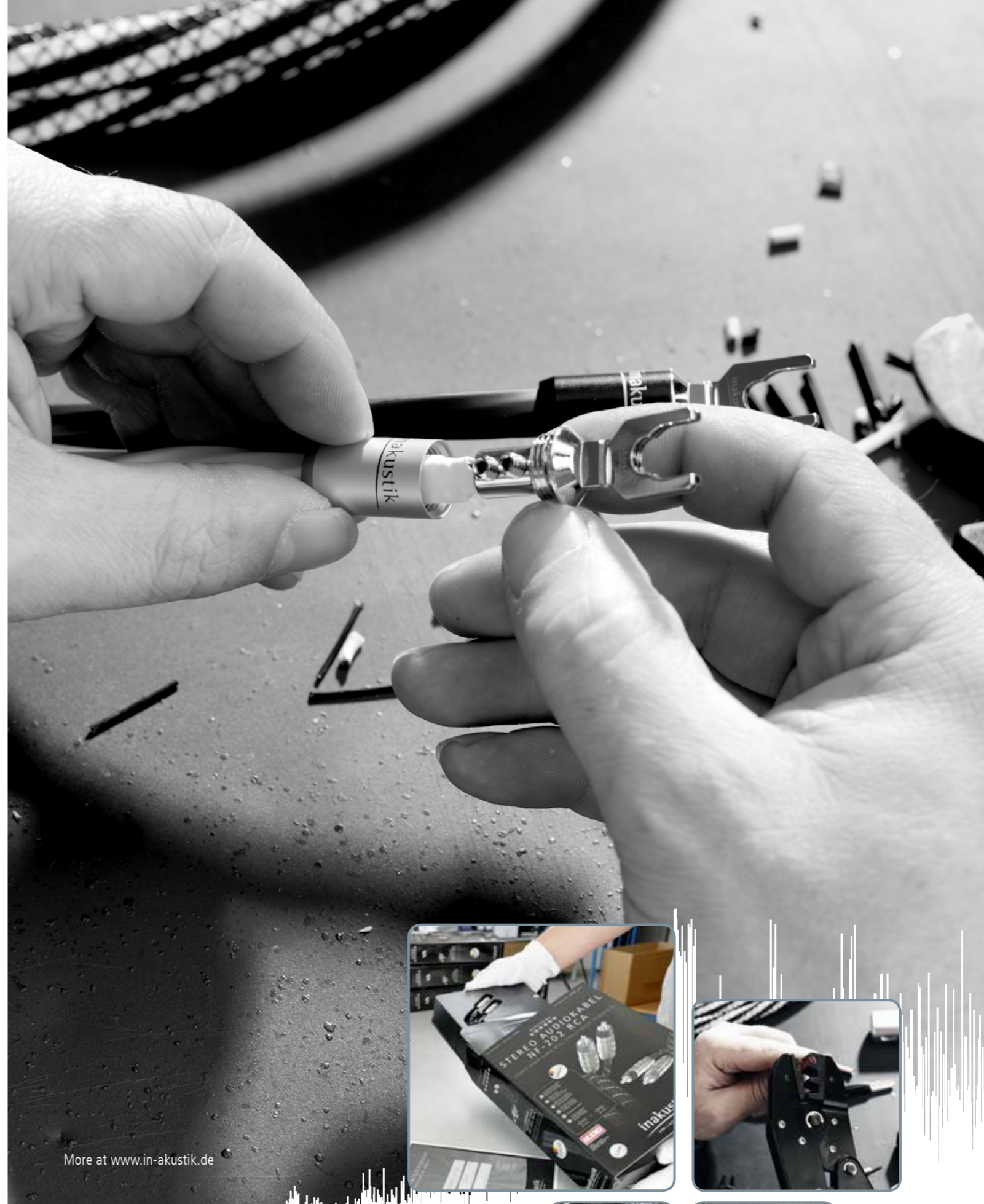
We don't know where others acquire their cables. For our part, we manufacture our speaker cables here in Germany. And most of our home hi-fi and video cables in the Referenz and Exzellenz quality classes are manufactured by in-house production plants at Company headquarter in Ballrechten-Dottingen. Look for the "Made in Germany"-sticker on our packaging.



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. 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.

More at [www.in-akustik.de](http://www.in-akustik.de)





PREMIUM



## PREMIUM-TECHNOLOGY

PICTURES AND SOUND FOR ADVANCED USERS

The in-akustik Premium cables are characterised by a uniform, clear design. During the design and development of this series, special attention was paid to the selection of materials, cable architecture and finishing. The Premium series covers all applications – in the conventional accessory area as well as in the connection of mobile end devices or the networking of multimedia components.

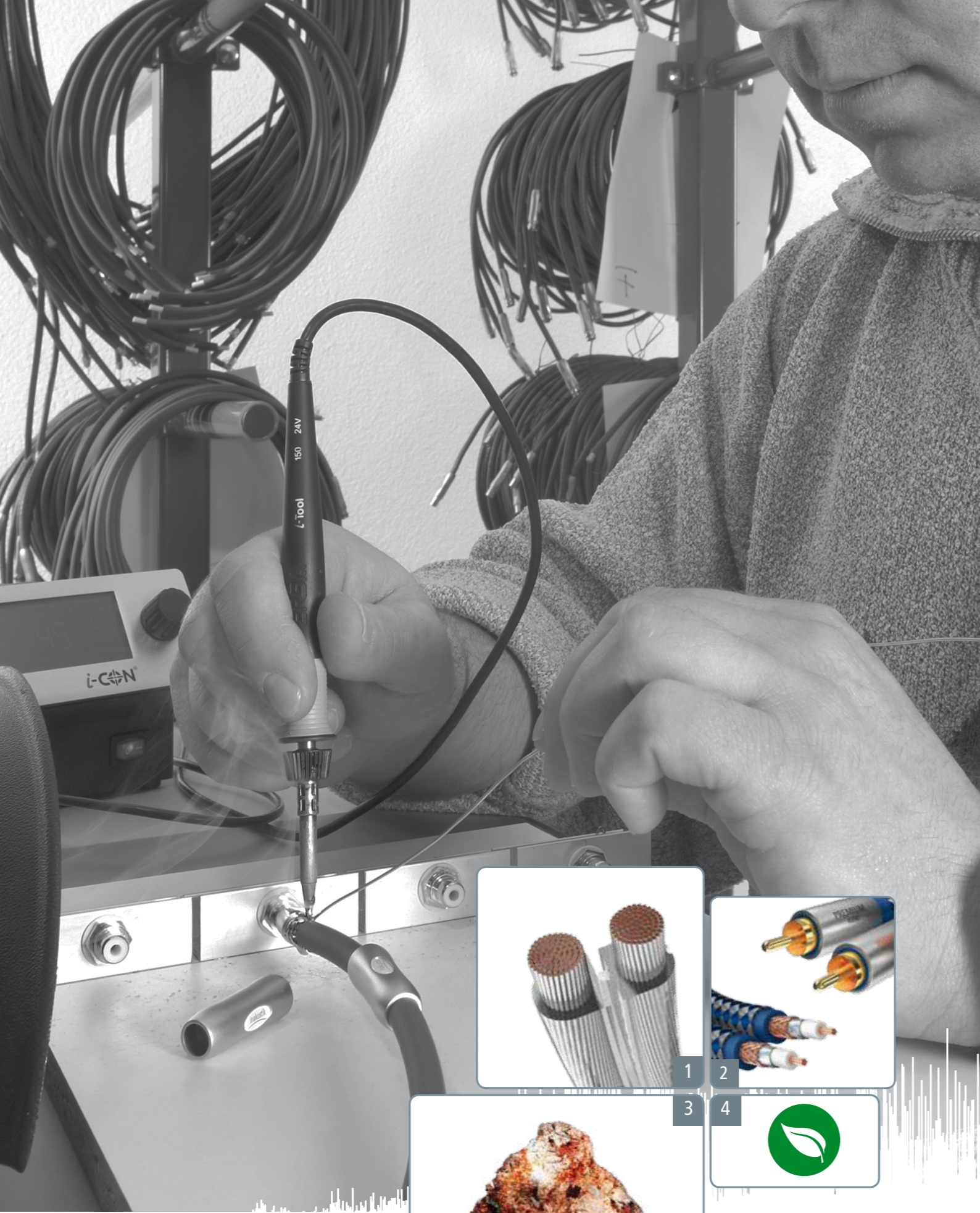
In addition to the material properties and precise manufacturing, the highest quality standards with regard to adhering to certain tolerance ranges (e.g. impedance) are applied during the development of the Premium cables. You benefit from the optimum performance even in tricky environments with external interference factors. Even on very long cable stretches.



“No cable can actually improve the sound or picture on an AV system. A good cable is not the one that gets the most out of a system, but the one that loses the least!”

Holger Wachsmann, product developer





# IN - AKUSTIK CABLE GUIDE

## QUALITY DIFFERENCES IN CABLES

First-rate materials, optimum performance – our products offer all this. And that is also reflected in the quality. There is always a little bit more with each level. Star, Premium, Exzellenz to our Nonplu-ultra – the Referenz series – we offer cable technology that gets ever better, more sophisticated and more elaborate. What do you get? More sound. More sharpness. Noticeably more passion.

It often happens that the benefits of expensive electronic components such as the latest ultra HD TVs, a Blu-ray player or a powerful AV receiver are ruined by incorrect or inadequate cabling. In the section that follows, we would like to familiarise you with the most important terms from the world of cables and accessories.

### 1. PROPERTIES OF A SPEAKER CABLE:

- Large cross section: low signal losses
- Silver-coated cables: improved high frequency playback
- Low inductivity: better sound
- Opposed S/Z stranding: easy to lay

### 2. PROPERTIES OF A AUDIO CABLE:

- Shielding: protection against external interference
- Symmetric further enhanced protection
- Low capacity: better sound
- Metal plug: reliable contact
- Gold-plated contacts: reduced contact resistance

### 3. MATERIAL:

- Oxygen-free copper: improved playback quality, higher service life
- Insulation material: oxidation protection, increased durability, improved playback quality

### 4. ENVIRONMENTAL PROTECTION:

- RoHS-compliant: health/environment protection

For more information, please have a look at our cable guide flyer „Wired Up“. The flyer explains briefly what you need to know when choosing cables. (Item No.: 01085D121)

# TECHNOLOGY LEXICON

## THE 1X1 OF THE CABLE AND ACCESSORY WORLD.

### BANDWIDTH

**3GHz BANDWIDTH**

Bandwidth is the frequency scope of a transmission. The bandwidth of a typical audio signal ranges from 20Hz to 20,000 Hz. A narrower bandwidth transmits fewer frequencies, a telephone typically transmits around 300 Hz to 3,000 Hz, a larger one will transmit more. Even with digital signals, we still speak of bandwidth, when the transmission of data per second is meant.

### CAPACITANCE

Capacitance is the measure of the capacity to store electrical charges. However, cables should be able to transmit 100% of the signal without temporarily storing it. The less capacitance a cable has, the better.

### CONSUMER ELECTRONICS CONTROL

**CEC COMPATIBLE**

CEC enables several devices, such as TV or DVD player, to be operated with only one remote control. Several devices from any manufacturer can be controlled, provided all the connected components are CEC compatible.

### CROSS SECTION

The cross section is the size of the face surface of the conductor in a cable and is specified in square millimetres. The greater the cross section, the lower the losses. It should not be confused with the diameter.

### DAMPING

The weakening of a signal transferred in a cable is called damping and it is specified in dB (decibels). I.e. it is a measure of signal loss. The damping of a cable depends on frequency and increases with rising transmission frequency. This specification is important for planning antenna cables for antenna systems. It should not be confused with the shielding dimension, which is also specified in dB.

### DIAMETER

The diameter specifies the overall diameter of the cable in millimetres. This information is necessary for example when selecting the plug or calculating the spatial requirement of an overall installation (diameter of the conduits, etc.).

### DATA RATE

**DATA RATE 18 Gbit/s**

The data rate specifies how many data units (bits) are transferred per second. The maximum data rate with an HDMI 2.0 interface is up to 18 Gbps. That is 18 billion bits or 2.25 billion characters per second (1 bit = 8 bytes).

### EXTENDED DISPLAY IDENTIFICATION DATA (EDID)

**EDID**

With the EDID function, the display (e.g. LCD monitor) transmits information via the HDMI cable to the source (e.g. DVD player) as to which resolution formats it supports. The source, in turn, sends back the highest suitable format.

### FINELY STRANDED

Many individual wires are twisted into a braid to make the cable more flexible. The sum of the individual wires makes the total cross-section. The thinner the wires, the more flexible the cable.

### FULL-HD

**FULL HD 1080p**

Full-HD or 1080p has established itself as the term for the maximum HDTV resolution of 1920x1080 pixels. Full HD enables the use of larger screens or far better picture quality with the same screen size.

### GOLD-PLATED CONTACTS

**VERGOLDET GOLD-PLATED**

The 24 carat gold-plated plug contacts considerably reduce contact resistance and transfer signals optimally. The quality of the connection can be expressed in the contact resistance. Poor contacts have a high contact resistance and cause signal losses. Special surface treatment such as gold-plating contact surfaces considerably reduce resistance, improve contact and therefore the sound and picture quality.

### HDTV

**HDTV**

HDTV stands for high definition television. All new TV and video formats belong to the HDTV family. The assignment of the HDTV resolutions is simple and clear: The resolution in video lines gives the names to the American HDTV formats 720p (p = progressive, i.e. 720 full lines per picture) and 1,080i (i = interlaced, i.e. 2 x 540 line half-pictures). In addition, a horizontal resolution that matches the vertical resolution was selected that forms the picture format factor in the following simple manner: 720 x 16:9 = 1,280 and 1,080 x 16:9 = 1,920 horizontal pixels.

### HIGH-BANDWIDTH DIGITAL CONTENT PROTECTION

**HDCP 2.2 COMPATIBLE**

As the HDMI interface sound and picture content is available in absolutely perfect resolution, the film and software industry have instructed that data may only be released as copy-proof. This is the reason for using HDCP.

### HDR (HIGH DYNAMIC RANGE)

**HDR-SUPPORT High Dynamic Range**

HDR (High Dynamic Range, HDMI 2.0a or higher) increases the contrast range of the picture. This makes more detailed resolution possible, particularly in dark areas of the picture, and increases the colour spectrum that can be displayed. Depending on the technique used, along with the increased colour depth this requires (30 bit), additional metadata for picture control are transmitted.

### IMPEDANCE (75 OHMS)

**75 OHM IMPEDANZ**

The wave resistance, or impedance, is an important key figure for cables, calculated from the ratio of inductivity to capacity.

### INDUCTIVITY

Each conductor that is flowed through forms a magnetic field around it. If the flow of current changes, the strength of the magnetic field also changes. This in turn results in an inductive current which counteracts the change of current in the conductor. A frequency-dependent resistance develops (also called inductive resistance) which has a negative impact on the transmission. Special designs reduce the inductivity of a cable.

### JITTER

**LOW JITTER**

When serially transmitting A/V data, "one" and "zero" are coded by different impulse durations. Cable properties affect these impulse durations so that the data is not received perfectly. In the case of pronounced jitters, the D/A converter has to frequently correct the error and consequently the quality of playback for pictures and sound suffers.

### INSULATION (DIELECTRIC)

The conductors are covered in a non-conductive material to protect against short circuits, corrosion and damage. As these materials still store electrical energy (capacitance), which is undesirable for audio and video cables, in addition to the DUO PE II insulation, in-akustik has developed the Exzellenz Atmos Air – the first and only loudspeaker cable with the best insulation of all: air.

### OFC COPPER

**OFC COPPER HOCHREIN HIGH PURITY**

The transmission of picture and sound signals is highly complex and susceptible to interference. Any contamination in the conductor material prevents the flow of current, impairing the conductance and increasing the background noise. Therefore, we only use especially pure-grade, oxygen-free copper (OFC) with an especially high conductance.

### POLYETHYLENE (PE)

PE is a high-quality insulating material (dielectric) which is ideal as an insulator. It reduces the capacitance of a cable by a factor of two compared with PVC (polyvinylchloride). The electrical loss of PE is also very low.

### ROHS

**RoHS Compliant**

Each of our cables complies with the RoHS directive. RoHS (Restriction Of Hazardous Substances) is an EU directive (2002/95/EG) with the aim of reducing substances damaging to health and the environment in electronic devices.

### SHIELDING

**ABSCHIRMUNG SHIELDING**

To protect against electromagnetic interference such as from mobile devices or wireless networks, cables are shielded with one or more layers (e.g. a wire braid and/or an aluminium coated Mylar film). The impact of the screening is measured in dB and describes the reduction of any interference.

### SILVER-PLATING

**VERSILBERT SILVER PLATED**

High frequencies are mainly transmitted on the surface of the conductor (skin effect). As silver is the best conductor, the high frequencies are transmitted better via silver-plated conductors. On audio and speaker cables silver-plated cables boost the high-frequency range. On HDMI connections the silver-plated conductors also ensure optimum signal transfer even on long cables.

### SOLID CONDUCTORS

**Massivleiter Solid Conductor**

On standard cables the many fine wires are bundled, meaning the electrons can „jump“ from one wire to another. The signals travel for different lengths of time, fast impulses are „braked“. Solid conductors prevent this by providing the same transit times and clear, strong contours. Solid conductors also provide another benefit for digital and video quality: The smooth surface allows the impedance to be precisely adjusted and the high signal frequencies which mainly move on the surface of the conductor can be transmitted perfectly.

### S/Z STRANDING

Loudspeaker cables with the wires arranged in the same direction tend to get twisted. This makes laying the cable and installation difficult. Cables with S/Z stranding have wires with opposite stranding to avoid this effect. Laying the cable is then much easier.

### TWISTED PAIR

**SYMMETRICAL CONSTRUCTION**

With symmetrically designed cables, two exactly identical wires are used for the initial and return conductors. This counteracts the level of electro-magnetic interference and provides an extremely high immunity to interference. In addition, separate shielding protects the signal.

### ULTRA HD

**ULTRA HD 4K@50/60 Hz**

Ultra high definition TV abbreviated to Ultra HD or UHD. An ultra high-resolution, digital video format introduced in 2013 that incorporates two resolutions (4K and 8K). In Japan, the 8K format is also known as super hi-vision (SHV). The UHD standard introduced in Europe in 2013 has a calculated pixel resolution of 3,840 x 2,160 pixels (4k) and is also known as UHD 2160p.



# STAR & PREMIUM

## DIFFERENCES IN HDMI CABLES

### PLUG

- Moulded plastic plug
- Gold-plated contacts

### CABLE

- PVC coat

### SHIELDING

- 1. Film
- 2. Braid with 80 wires

### SIGNAL CONDUCTOR

- AWG30 (0.056mm<sup>2</sup>)

### PROCESSING

- Very good processing

### CABLE LENGTH

- up to 5m

### VERSIONS

- HDMI (A) <-> HDMI (A)

### PLUG

- Moulded plastic plug
- Gold-plated contacts
- Metal plug: additional metal sleeve for better protection
- High-quality elegant design

### CABLE

- PVC coat
- Additional textile coat for better protection
- High-quality elegant design

### SHIELDING

- 1. Film
- 2. Film shielding
- 3. Braid with 160 wires
- 100% more shielding than Star

### SIGNAL CONDUCTOR

- AWG28 (0.088mm<sup>2</sup>)
- 57% larger cross section
- OFC copper conductor
- Tin-plated conductors as additional oxidation protection

### PROCESSING

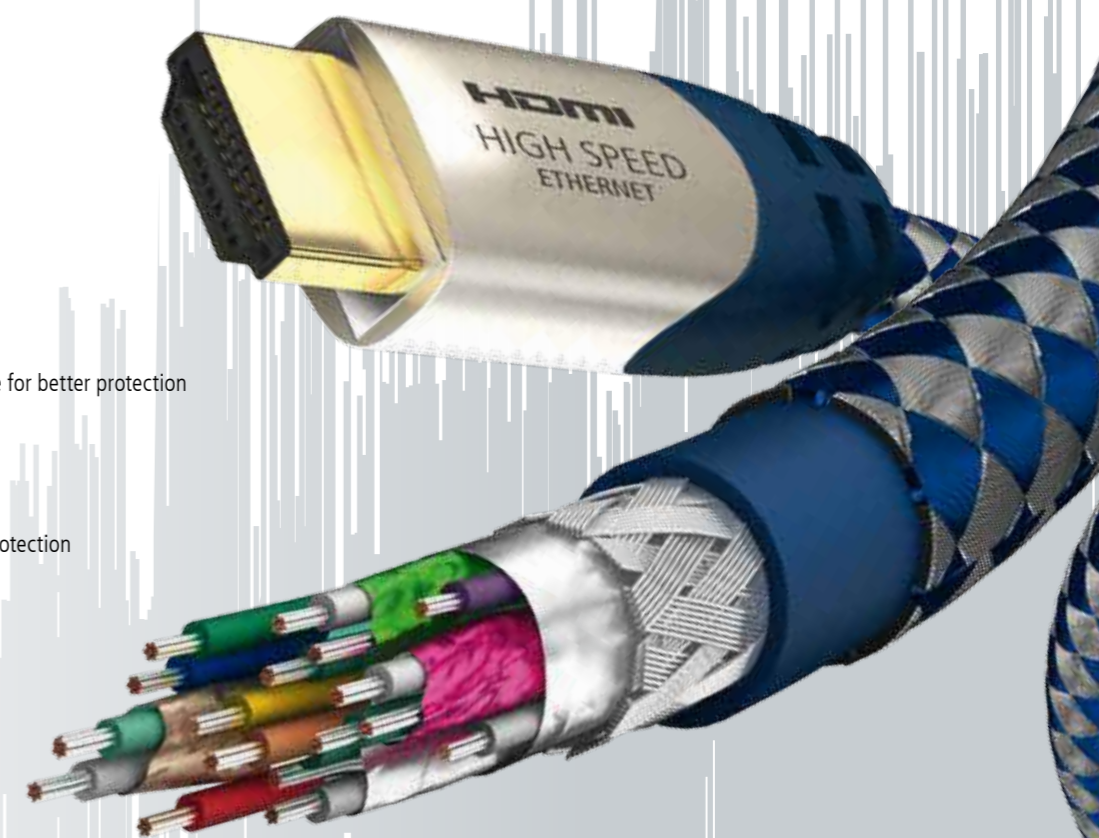
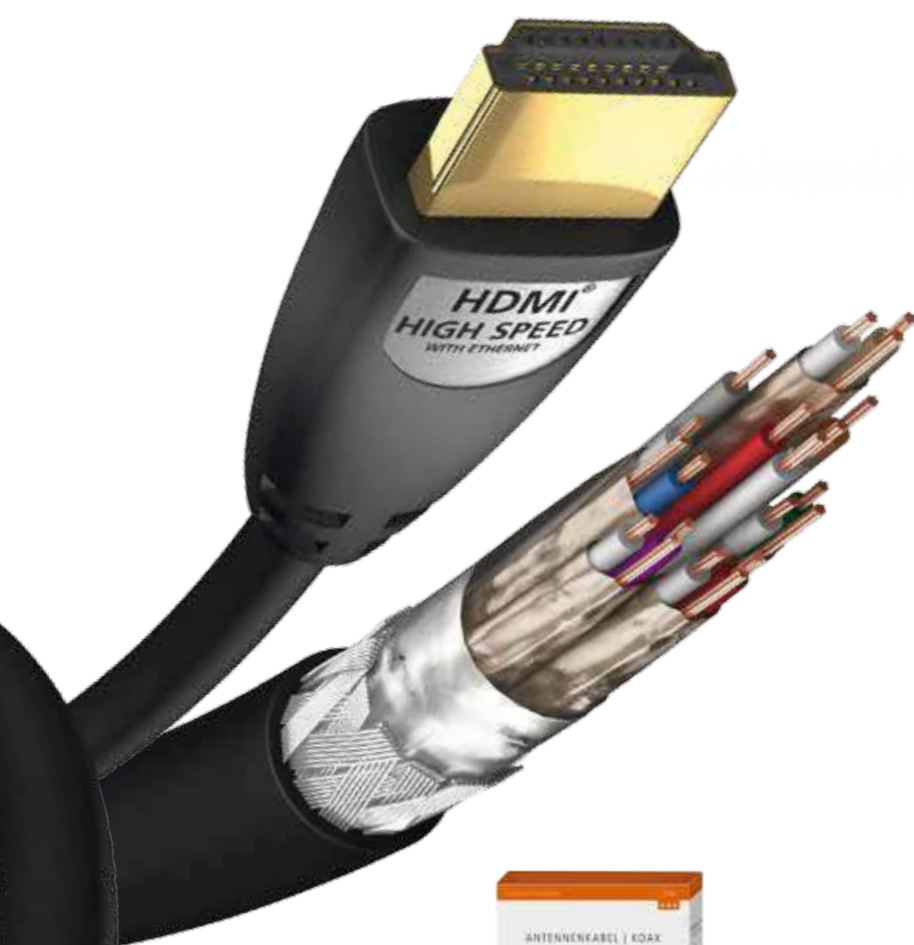
- Excellent processing
- Special focus on low tolerances (impedance)

### CABLE LENGTH

- up to 10m

### VERSIONS

- HDMI (A) <-> HDMI (A)
- Mini | Micro | XS | Angled Plugs



# EXZELLENZ & PREMIUM

## DIFFERENCES IN ANTENNA CABLES



### PLUG

- Solid metal plug
- Continuous shielding
- Gold-plated contacts
- High-quality, elegant and modern design

### CABLE

- High quality PVC coat
- Additional textile coat for better protection
- High-quality elegant design

### SHIELDING

- 1. Film
- 2. Braid with 72 wires (tin-plated)
- 3. Film
- 4. Braid with 72 wires (tin-plated)
- 12% increase in shielding braid density as Premium
- 120 dB screening for UHD support
- 20 dB increase in screening as Premium

### SIGNAL CONDUCTOR

- Cross-section: 0,79mm<sup>2</sup>
- 163% larger cross section than Star
- OFC copper conductor
- Solid conductors for homogeneous signal flow

### PROCESSING

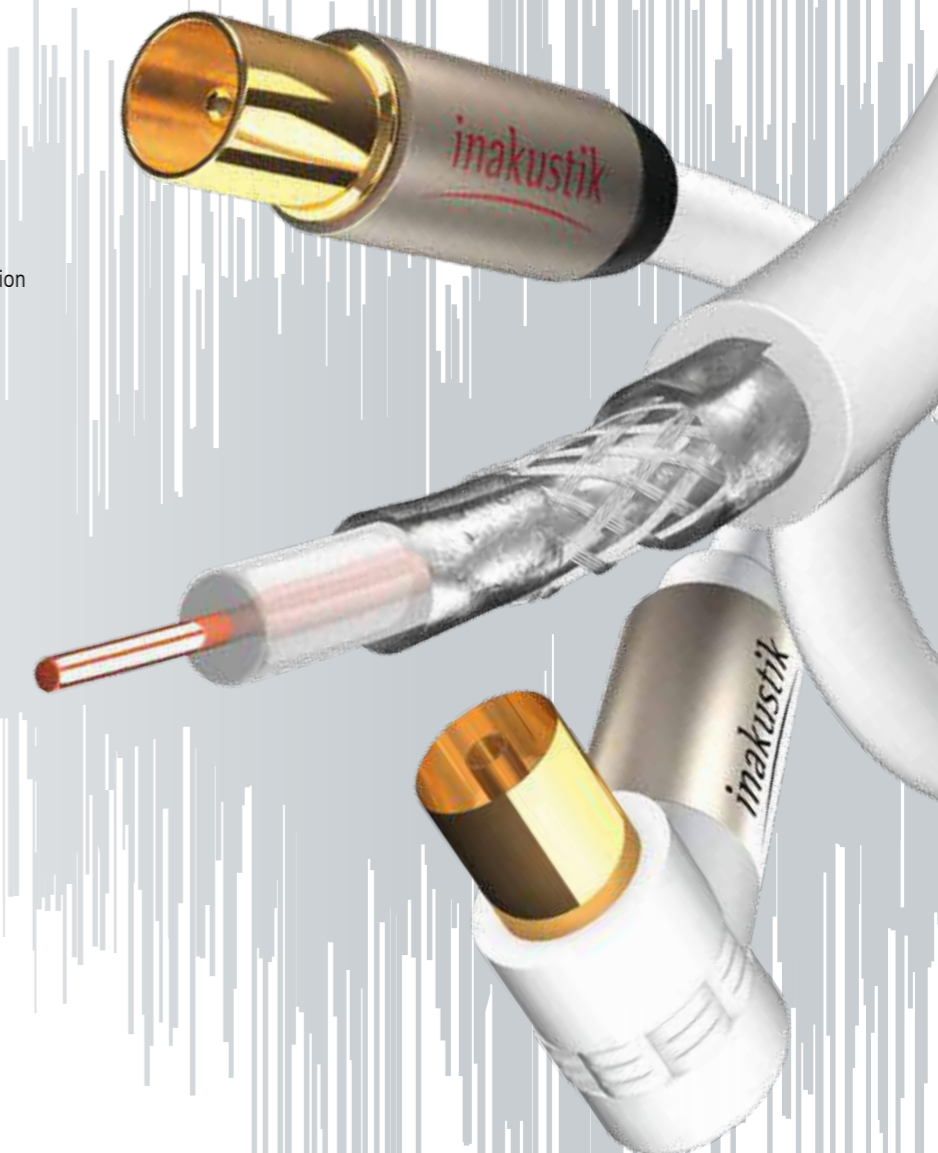
- Outstanding processing
- Special focus on low tolerances (impedance)
- Made in Germany

### CABLE LENGTH

- Up to 10m
- Special arrangements possible

### VERSIONS

- Coax
- F-Plug



### PLUG

- Moulded plastic plug
- Gold-plated contacts
- Metal plug: additional metal sleeve for better protection
- High-quality and elegant design

### CABLE

- PVC coat

### SHIELDING

- 1. Film
- 2. Braid with 128 wires (tin-plated)
- 3. Film
- 100% more shielding than Star
- 100dB shielding

### SIGNAL CONDUCTOR

- Cross-section: 0,79mm<sup>2</sup>
- 163% larger cross section than Star
- OFC copper conductor
- Solid conductors for homogeneous signal flow

### PROCESSING

- Excellent processing
- Special focus on low tolerances (impedance)

### CABLE LENGTH

- Up to 10m

### VERSIONS

- Coax
- F-Plug
- 90° angled plug



# STAR & PREMIUM

## DIFFERENCES IN PHONE PLUG CABLES



### PLUG

- Moulded plastic plug
- Gold-plated contacts

### CABLE

- PVC coat

### SHIELDING

- 1. Film shielded

### SIGNAL CONDUCTOR

- Cross-section: 3 x 0,11mm<sup>2</sup>

### PROCESSING

- Very good processing

### VERSIONS

- Phone plug m/f | m/m | m/m 90°
- Phone plug Y-adapter (m/2xRCA)
- Phone plug Y-adapter (m/2xf)
- Phone plug extension cable



### PLUG

- Moulded plastic plug
- Gold-plated contacts
- Metal plug: additional metal sleeve for better protection
- High-quality and elegant design

### CABLE

- PVC coat
- Additional textile coat for better protection
- High-quality and elegant design

### SHIELDING

- 1. Film shielded
- 2. Spiral shielding

### SIGNAL CONDUCTOR

- Cross-section: 3 x 0,11mm<sup>2</sup>
- Additional insulation between conductor and shielding
- OFC copper conductor

### PROCESSING

- Excellent processing
- Special focus on low tolerances

### VERSIONS

- Phone plug m/f | m/m | m/m 90°
- Phone plug Y-Adapter (m/2xRCA)
- Phone plug Y-Adapter (m/2xf)
- Phone plug extension cable incl. 6,3mm phone plug adapter



# STAR & PREMIUM

## DIFFERENCES IN OPTICAL CABLES



### PLUG

- Moulded plastic plug
- TOS-Link

### CABLE

- Double PVC jacket for physical protection

### SIGNAL CONDUCTOR

- Plastic fibres

### PROCESSING

- Very good processing
- More light reflection than Premium optical cable



Light reflections impair detection of ones and zeroes.



### PLUG

- Moulded plastic plug
- TOS-Link
- Metal plug: additional metal sleeve for better protection
- High-quality and elegant design

### CABLE

- Triple PVC jacket for physical protection
- Additional textile coat for better protection
- High-quality and elegant design

### SIGNAL CONDUCTOR

- PMMA fibres (polymethyl methacrylate)
- Optimised light reflection

### PROCESSING

- Excellent processing
- Optical fibres cut straight
- Reduced jitter effect
- The optical conductor faces are carefully smoothed. The faces of the optical conductors must be precisely ground and polished to transmit the light with as little reflection as possible.



The relatively large optical conductor diameter of one millimetre, as prescribed by the TOS Link standard, produces significant reflections and phase shifts between the individual light beams. This causes a kind of jitter, which makes it difficult for the receiver to detect ones and zeroes. The higher the quality of the optical conductor, the less light is reflected and the more precise the transmission.





reddot award 2014  
winner



## THE HIGH-FIVE CONCEPT

You and your customers benefit from:

- 1) The flexibility due to the modular sizes.
- 2) A clear structured design on the front.
- 3) A clear and efficiently designed wall.
- 4) The thematic grouping of products.
- 5) An environmentally friendly packaging.



Examples of placements

# PACKAGING

## IN-AKUSTIK ON THE POS

The packaging impresses with a refined look and feel, and a sophisticated design. It accentuates the distinctiveness of the high-quality in-akustik accessory products. Its visual design is complemented by the use of the best paper currently available on the market. Further information about our cable unwinder you can find on page 53.



### MODULAR DIMENSIONS

The packaging sizes have been designed as modules. This means large packaging unit can be replaced by two smaller packaging units.

### DISPLAYS

Our exclusive displays have a variety of sizes and models. Finished with a deluxe wooden veneer or as metal display. They are versatile, can be used on both sides and be equipped with useful details.

### FORMAT

The most common packaging units are divided horizontally. This makes the presentation more „spacious“. The customer will not be „buried“ by a wall of accessories.

### INSTANT OVERVIEW

The front only shows the most essential information about the product, and sophisticated 3D artwork. This allows the customer to find the most appropriate accessory product a glance.



HDMI SPECIAL	28	42	VIDEO CABLE
HDMI CABLE	32	42	S-VIDEO CABLE
HDMI WIRELESS	36	42	DISPLAYPORT CABLE
HDMI SWITCH	36	42	SCART CABLE
HDMI SPLITTER	38	42	YUV/RGB
ANTENNA CABLE	39	43	ACCESSORIES

## HOME VIDEO

Nowadays, projectors and players deliver perfect playback. Nevertheless, the pictures are often out of focus or faded. There is a reason for this: DVD or Blu-ray players emit unbelievably large amounts of information simultaneously at high speed. If the cables are not perfectly designed, the colours and contours fade and the picture is grainy. The wrong cables are the main cause for poor pictures and sound. Or in other words: the quality of your device is only as good as the cables it is used with. Picture cables from in-akustik ease the way for signals and protect them from external interference. For all picture connections.



# HDMI SPECIAL

Full HD was yesterday – today everyone is talking about Ultra HD. Faster, sharper, more colourful. The extremely high data rates of up to 18 gigabytes per second that the 8 million pixels require do, of course, need to be transmitted properly. This is where having the right cable is crucial. The most progressive and the most widespread standard used for this is HDMI®.

**HDMI**™ stands for High Definition Multimedia Interface, and it is a digital interface for AV equipment such as Blu-ray players, surround receivers, televisions and beamers. HDMI® transmits digital picture data along with digital audio data, and automatically synchronises the individual devices with one another. And all that in one single cable.

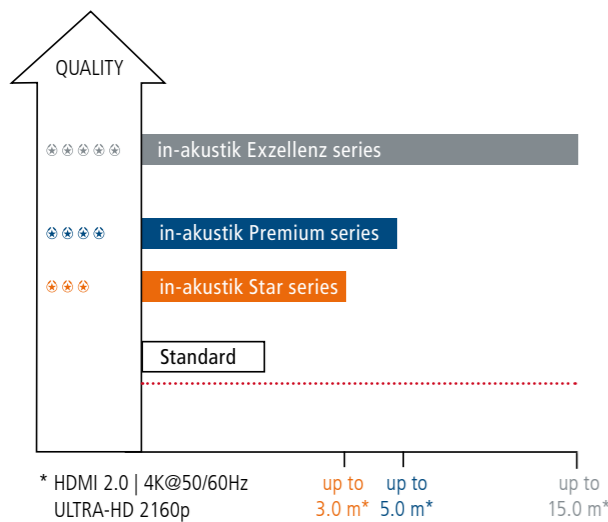
## DIFFERENCES IN QUALITY

What distinguishes an Exzellenz HDMI cable from a standard HDMI cable? Many users are under the false impression that the transmission of digital data always functions without any errors. Something better or worse isn't supposed to exist. The same applies to the Internet. On the Internet, the receiver keeps asking the transmitter for the digital data until the content has been transmitted properly (check test). However, in the audio/video sector, there is no time to compare digital data and request it again. Instead, error correction is used in the TV or beamer. The higher the resolution and the faster the picture sequences, the higher the data rate that needs to be transmitted as well. However, this also

increases the error rate caused by the HDMI® cable at the same time. The more often the television's error correction needs to intervene, the poorer the picture becomes. A better quality cable allows the error rate to be reduced, and the picture gains brilliance and sharpness.

High quality cables such as the Exzellenz HDMI cable feature sophisticated shielding and high quality conductor and insulation materials. The meticulous manufacturing process also guarantees extremely low production tolerances in relation to all cable parameters. All in all, this ensures lower error rates and therefore a better picture and audio quality in comparison to standard cables. And this even over short transmission paths.

**NOTE:** "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks of HDMI® Licensing LLC.



minimum quality requirement of error correction for LCDs, LED-TVs, plasmas etc.

maximum cable length



## THE HDMI® STANDARDS

Ever since the HDMI 1.4 specification was released, a distinction is made between five HDMI standards. Each of them was developed for specific performance requirements. You can find an overview of the HDMI cable types, their capabilities, and how to tell them apart here.

**HDMI STANDARD** The standard HDMI cable was designed for commonplace applications at home. It was thoroughly tested to ensure that 1080i and 720p – the usual HD resolutions for cable and satellite TV, digital broadcasts of HD TV and upscaling DVD players – can be reliably transmitted.

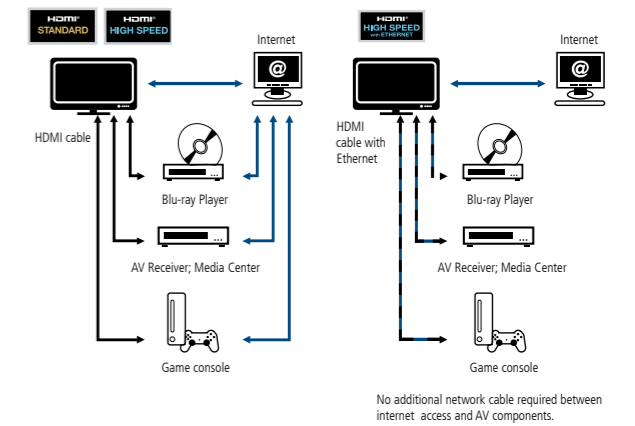
**HDMI STANDARD with ETHERNET** This type of cable provides the same fundamental performance characteristics as the standard HDMI cable, with an additional data channel (HDMI Ethernet cable) to integrate the device into a network and for transmission of the Audio Return Channel (ARC). The additional functions are only available when both devices connected also support this technology.

**HDMI HIGH SPEED** The High Speed HDMI cable was designed and tested for video resolutions of 1080p or higher, including the latest formats such as 4K, 3D and HDR. If you are using any of these technologies, or if you are connecting your 4K display to a 4K content source such as a UHD Blu-ray player, this cable is an absolute must.

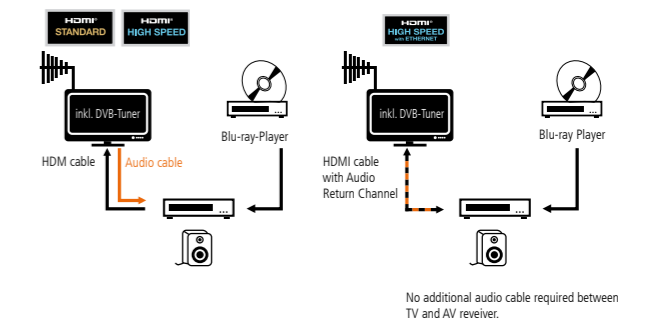
**HDMI HIGH SPEED with ETHERNET** The High Speed HDMI cable was designed and tested for video resolutions of 1080p or higher, including the latest formats such as 4K, 3D and HDR. If you are using any of these technologies, or if you are connecting your 4K display to a 4K content source such as a UHD Blu-ray player, this cable is an absolute must.

	HDMI STANDARD	HDMI HIGH SPEED	HDMI HIGH SPEED with ETHERNET
4K@50/60FPS (2160p)		X	X
1080p (Full HD)		X	X
1080i/720p	X	X	X
3D-Video		X	X
Data rate up to 18.2 Gbit/s		X	X
HDR		X	X
21:9 Format		X	X
Ethernet function (up to 100 Mbit)			X
Audio Return Channel		X	X
Additional Color Spaces		X	X
Content Type		X	X
Deep Color multi-bit		X	X
x.v.Color		X	X
HD Audio		X	X
Up to 8 audio channels	X	X	X
Up to 32 audio channels		X	X
Audio sampling rate 1536 kHz		X	X
Lip Sync		X	X
Multi video and audio stream		X	X
CEC, HDCP, EDID compatible	X	X	X

## HDMI ETHERNET CHANNEL



## AUDIO RETURN CHANNEL



## HDMI 2.0B

The HDMI Forum, to which 88 companies from the multimedia branch belong, released the new HDMI 2.0 specification on 4 September 2013. The most important new feature of HDMI 2.0 is the much higher data rate of up to 18 gigabytes per second it makes possible, with this being necessary for the latest 4K content with double the refresh rate.

The High Speed HDMI cables with Ethernet made by in-akustik are HDMI 2.0B-compatible and therefore optimally suited to future requirements. This applies for lengths of up to, and including 3.0 m for HDMI cables in the "Star" category, and up to, and including 5.0 m for the "Premium" HDMI cables, with a length of 15 m possible for the "Exzellenz" cables due to an intelligent chip in the connector.



### 3D-SUPPORT

HDMI also creates the technical prerequisites for playing 3D videos at home. This is where the input/output protocol is defined that allows

3D displays and source units to be connected by means of an HDMI connection. It is a major milestone on the path to bringing true 3D gaming and 3D home theatre to a broad public, whereby resolutions up to 1080p are supported in 3D.

### RESOLUTION FORMATS

Ultra HD (4K) and Full HD etc. describe the resolution capability of the individual components such as the TV, beamer, DVD or Blu-ray player, etc. The original PAL standard functions using only 720 x 576 pixels. Devices endorsed as Full HD must exhibit a resolution of at least 1920 x 1080 pixels (around 2 megapixels). 4K x 2K describes a resolution of 3840 x 2160 pixels (around 8 megapixels), which is four times higher. Furthermore, they must be able to handle progressive display (2160p), which is shown by the "p". This means that the entire picture content can be displayed in one picture on the screen. The advantage is the improved picture sharpness

matches. If there are only a few images, the motion of the balls across the screen seems to judder. The number of images is specified in Hertz (Hz) or Frames per Second (FPS). Both indicate how many images per second are transmitted. The refresh rate does, of course, have an immediate effect on the required data rate.

Doubling the refresh rate requires the data rate to be doubled. There are decisive differences for refresh rates when it comes to 4K formats in particular. Older 4K devices usually only support 4K with 25 or 30 FPS. Only newer devices with HDMI 2.0 also support 50 and 60 FPS.

### HDR

The dynamic range, which is the difference between the brightest and darkest light that the human eye can see, is gigantic. Cameras and televisions can only capture and render a fraction of it. Technical tricks artificially enlarge the native dynamic range of cameras and televisions. This technology is known as High Dynamic Range, or HDR for short. The result is pictures that make significantly more details visible, especially in dark areas.

### HDCP

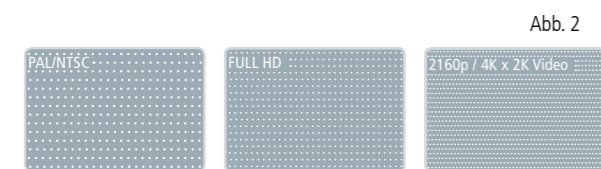
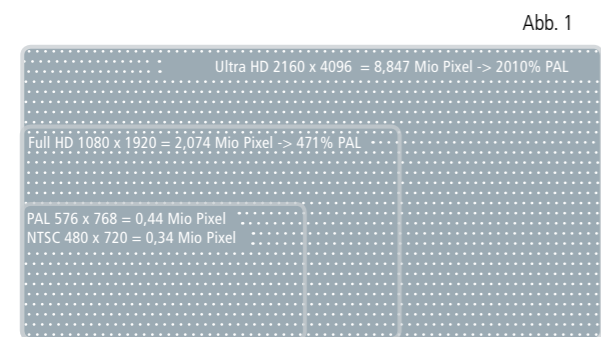
Because the HDMI interface can provide picture and audio content in absolutely perfect resolution, the film industry is now obliged to release this content in encrypted form. This is where HDCP, High Definition Content Protection, is used. Because earlier versions were cracked by criminals, then new HDCP2.2 standard has been introduced.

### ARC

If you watch a DVD or Blu-ray using a surround system, the surround sound amplifier transmits the audio track to high quality surround speakers. If, in contrast, the DVB tuner integrated in the TV is used, or you watch online content on a Smart TV, the sound is automatically transmitted back to the surround sound amplifier via the same HDMI cable by the Audio Return Channel (ARC), and is also played by the high quality speakers.

### CHROMA SUBSAMPLING 4:4:4 / 4:2:0

One of the biggest problems when saving and transmitting picture data used to be the quantities of data and the transmission bandwidths. This is why the same technique has been used for reducing data quantities while maintaining acceptable quality for years. Because the human eye can see black and white images much more clearly than colour images, a technique was developed that transmits the black-white, or brightness information, in full sharpness and the colour information in reduced sharpness in order to reduce the quantity of data. The first prerequisite for this is splitting the brightness and colour information, which is realised using the YUV coding technique. When chroma subsampling 4:4:4 is used, in contrast, all brightness and colour information is transmitted in full sharpness, which is the best-quality solution, however also involves a correspondingly high data rate. 4K formats with 50 images per second and 4:4:4 chroma subsampling therefore require an HDMI 2.0 interface with a bandwidth of up to 18 Gbps. At lower chroma subsampling of 4:2:0, in contrast, the HDMI 1.4 interface with "only" 10.2 Gbps will suffice.



Ultra-HD and Full-HD enables a larger display (Fig. 1) or far better picture quality with the same screen size (Fig. 2).



Comparison of a circle in PAL/NTSC, Full HD 1080p and 2160p / 4K x 2K resolution.

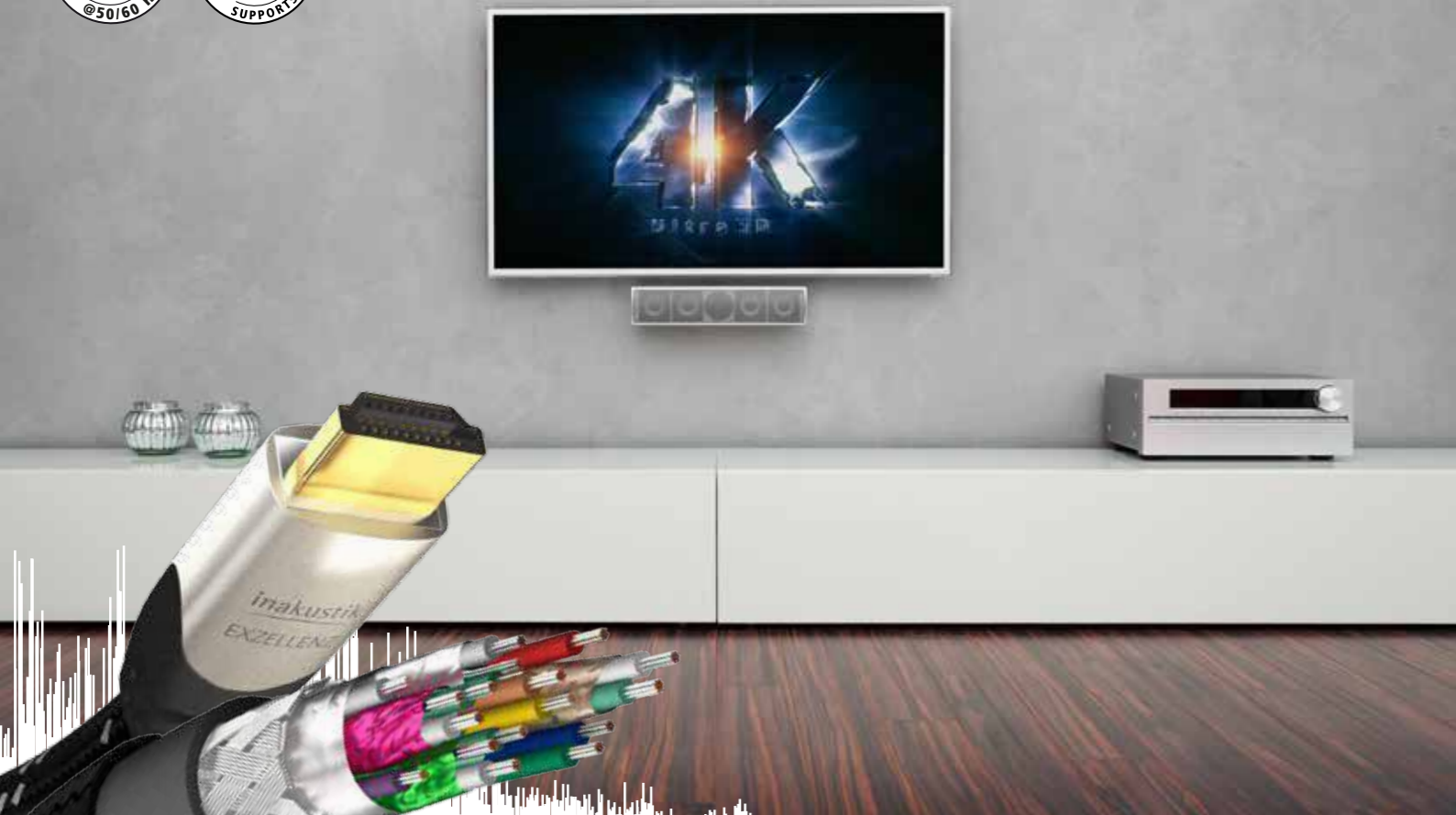
### REFRESH RATE FPS / HZ

To produce a moving picture, several images are shown successively within a certain period of time – just like a flipbook. The more images that are shown within the same time, the smoother the movements seem. A prime example of this are tennis or football



Our quality management system guarantees the highest precision. We make no concessions when it comes to dimensional tolerance, electrical parameters and the performance of our cables and leads. This gives you absolute fitting precision and the utmost reliability.

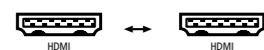
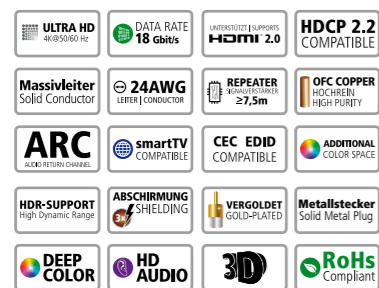




## HIGH SPEED HDMI CABLE WITH ETHERNET



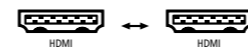
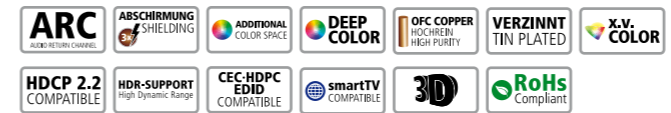
The Excellence High Speed HDMI® cable is specially designed for the high requirements of ultra high resolution formats (4K UHD) and transmits the required data rates of up to 18 Gbps. A 3-fold shielding protects the sensitive data content against external interferences. The thick signal conductor as well as the high-quality plug reduce additional data errors to a minimum. For excellent picture and sound quality. From 7.5 m length a specially chip is integrated in the plug, which ensures the 18 Gbps bandwidth even with 15 m cable length.



LENGTH		ITEM-NO
1,5m	High Speed	0062443015
3,0m	High Speed	006244303
5,0m	High Speed	006244305
7,5m	High Speed Repeater	0062443075
10,0m	High Speed Repeater	006244310
12,5m	High Speed Repeater	006244312
15,0m	High Speed Repeater	006244315

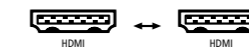
## HDMI CABLE

### HIGH SPEED HDMI CABLE WITH ETHERNET



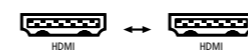
LENGTH		ITEM-NO
0,75m	High Speed *	00423007
1,0m		
1,5m	High Speed *	00423015
2,0m	High Speed *	0042302
3,0m	High Speed *	0042303
5,0m	High Speed *	0042305
8,0m	Standard	0042308
10,0m	Standard	0042310

### HIGH SPEED HDMI CABLE WITH ETHERNET | ANGLED



LENGTH		ITEM-NO
0,75m		
1,5m	High Speed *	00425015
2,0m	High Speed *	0042502
3,0m	High Speed *	0042503
5,0m	High Speed *	0042505
8,0m	Standard	0042508
10,0m		

### HIGH SPEED HDMI CABLE WITH ETHERNET



LENGTH		ITEM-NO
0,75m	High Speed *	00324507
1,0m		
1,5m	High Speed *	00324515
3,0m	High Speed *	00324530
5,0m	Standard	00324550
7,5m	Standard	00324575
10,0m	Standard	003245100

### BLU-RAY | ULTIMATE TV PICTURE OPTIMIZER



How to make your TV picture even better! TV Picture Optimizer is a one of a kind video reference Blu-ray that will turn your living room in to a world class theater. It upgrades contrast, sharpness, and color based on a proven and tested 11 step process developed in the laboratories of the famous German videophile magazine 'Video'. It is suitable for all flat TVs, and is full HD and HD ready.

- Perfect TV picture in only 11 easy steps
- Presets, picture format, color temperature, brightness, contrast, color saturation, sharpness, gamma, viewing distance, motion compensation, audio sync
- Exclusive test patterns, combining natural pictures with measurement zones
- For the first time available both in 2D and 3D
- Interactive manual for every step of optimization
- Booklet including all important basics and support for users

FORMAT	ITEM-NO	ARTIST   ALBUM
Blu-Ray	0198003	Ultimate TV Picture Optimizer



## STANDARD HDMI CABLE WITH ETHERNET | XS



This smart Standard HDMI cable is extremely thin with a diameter of just 3.6 mm. You benefit from the exceptional flexibility of these cables. In addition, they are extremely light and therefore particularly suitable for connecting mobile devices and unobtrusive installations. Threefold shielding minimises external interference factors such as those emitted from smartphones. The sensitive signals are transmitted without hindrance. An integrated special chip in the plugs of the 3m and 5m cables ensures the highest level of performance for greater lengths, too. Enjoy Full-HD pictures in a 1080p resolution and perfect 3D displays



- ultra thin (3,6mm)
- active chip (3m/5m)
- highly flexible



LENGTH		ITEM-NO
1,5m	Standard	0042461015
3,0m	Standard; aktiv	004246103
5,0m	Standard; aktiv	004246105

## MINI HDMI

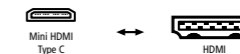
### STANDARD MINI HDMI CABLE | XS



- ultra thin (3,6mm)
- active chip (3m/5m)
- highly flexible

LENGTH		ITEM-NO
1,5m	Standard	0042462015
3,0m	Standard; active	004246203
5,0m	Standard; active	004246205

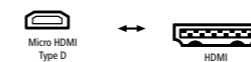
### STANDARD MINI HDMI CABLE



LENGTH		ITEM-NO
1,5m		
3,0m	Standard	00423215
5,0m	Standard	0042323

## MICRO HDMI

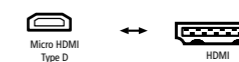
### STANDARD MICRO HDMI CABLE | XS



- ultra thin (3,6mm)
- active chip (3m/5m)
- highly flexible

LENGTH		ITEM-NO
1,5m	Standard	0042463015
3,0m	Standard; active	004246303
5,0m	Standard; active	004246305

### STANDARD MICRO HDMI CABLE



LENGTH		ITEM-NO
1,5m		
3,0m	Standard	00423307
5,0m	Standard	00423235

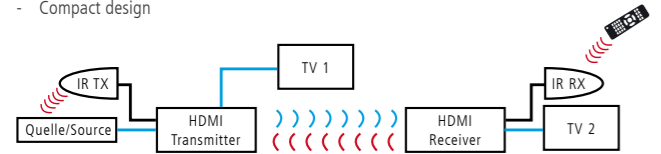
HDMI WIRELESS

HDMI SWITCH

WIRELESS HDMI KIT



- Additional HDMI output on the transmitter
- Transmission up to 30m
- WiFi 5 GHz band
- 128-/256-bit encryption
- Compact design
- Power supply via Micro USB socket
- Latency < 0.5 s
- Dimensions: approx. 85 x 83 x 14mm
- Weight: approx. 400 g (set)



ITEM-NO	UNIT
00912003	Set

HDMI MATRIX 4 X 2 HIGH SPEED | SP-DIF | 4K



- EDID Generator
- Bandwidth: 10.2 Gbps (340 MHz)
- EDID generator
- Digital audio output
- HDMI input on the front for mobile devices
- HDCP 2.0- compatible
- Deep Color multi-bit
- Optical and coaxial S/P-DIF audio output in parallel to output A
- Remote control
- Eight different EDID modes

ITEM-NO	UNIT
0062450424	1 pc

HDMI SWITCH 4 > 1 HIGH SPEED



- EDID management (Extended Display Identification Data)
- LED display
- Operated from the device or by remote control
- 24c gold-plated contacts
- Bandwidth: 225 MHz (6,75 Gbps)
- CEC pass through (CEC commands are passed on)
- Dimensions: 187x79x30 mm

ITEM-NO	UNIT
0042450412	1 pc

MHL-HDMI SWITCH 3 -> 1



- 1 MHL and 3 HDMI inputs
- Range up to 750MHz / 7,5Gbps (HDMI)

ITEM-NO	UNIT
00424505	1 pc

HDMI SWITCH 3 >1 HIGH SPEED | 4K | HDMI 2.0



- Supports uncompressed audio formats like LPCM
- Supports compressed audio formats such as DTS, Dolby Digital
- Supports HD audio formats such as DTS-HD or Dolby True HD
- Plug & Play
- Weight: 100 g
- Compact size (80 x 50 x 20 mm)

ITEM-NO	UNIT
0042450313	1 pc

HDMI SWITCH 4 > 1 HIGH SPEED | MHL



The inputs can be switched directly on the device or using the remote control supplied with it. PIP (picture-in-picture) function is provided for easier use. It shows a preview of all the connected sources on the TV or projector



ITEM-NO	UNIT
0042450413	1 pc

HDMI SWITCH 3 >1 HIGH SPEED | 4K | HDMI 2.0



- Output with HDMI cable (50 cm)
- Automatic switching
- Downwardly compatible
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS Digital, Dolby Digital
- Supports HD audio formats such as DTS-HD and Dolby True HD

ITEM-NO	UNIT
0032450314	1 pc

BLU-RAY | MICHAEL SCHENKER - LIVE IN MADRID



inakustik presents the World's premiere Music 4K Ultra HD Blu-ray with On A Mission – Live In Madrid. What on the surface might appear to be a platitude, is a serious invitation for the fans of the "Mad Axeman" and one they are happy to take him up on. Where else could aficionados of high-class guitar rock see such an emotional and energetic show? And one featuring a line-up that leaves connoisseurs of the international music scene rapturously clicking their tongues in appreciation.

During their world tour of 2015/2016, the line-up set up their Temple of Rock in the Joy Eslava theatre in central Madrid. Michael Schenker and his crew chose this unique location with care for the recording of this concert. The musicians clapped along with the fans as they sung along to hits old and new with great enthusiasm. All musical phases of Michael Schenker's career were included and the evening became a joyful party as well as a clear message of how positively Michael Schenker's music can enrich the listener's life.

FORMAT	ITEM-NO	ARTIST   ALBUM
Ultra HD Blu-ray	0164193	On A Mission - Live In Madrid
Blu-Ray Disc	0167193	On A Mission - Live In Madrid
CD + Blu-ray Disc	0162016	On A Mission - Live In Madrid
CD	0169142	On A Mission - Live In Madrid
DVD Video	0166193	On A Mission - Live In Madrid

## HDMI SPLITTER

### HDMI SPLITTER 1 >2 HIGH SPEED | 4K | HDMI 2.0

PREMIUM

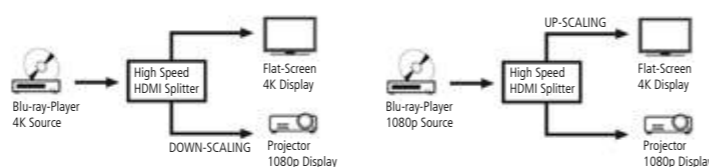


- Supports uncompressed audio formats like LPCM
- Supports compressed audio formats such as DTS, Dolby Digital
- Supports HD audio formats such as DTS-HD or Dolby True HD
- Plug & Play
- Compact size (80 x 50 x 20 mm)
- Weight: 100 g

ITEM-NO	UNIT
004245012	1 pc

### HDMI SPLITTER 1->2 SCALER HIGH SPEED

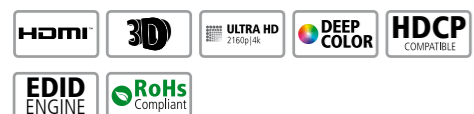
PREMIUM



ITEM-NO	UNIT
0042451142	1 pc

### HDMI SPLITTER 1 -> 4 HIGH SPEED

PREMIUM

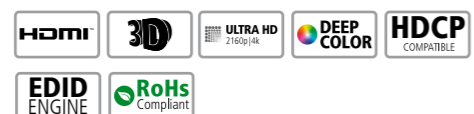


- Data rate: 10,2 Gbps
- 230VAC respectively 5V / 12V
- 157 x 23 x 70mm
- Cable length IN: 20m; OUT: 20m

ITEM-NO	UNIT
004245114	1 pc

### HDMI SPLITTER 1 -> 8 HIGH SPEED

PREMIUM



- Data rate: 10,2 Gbps
- 230VAC respectively 5V / 12V
- 257 x 25 x 120mm
- Cable length IN: 20m; OUT: 20m

ITEM-NO	UNIT
004245118	1 pc

### HDMI SPLITTER 1 -> 2 HIGH SPEED

STAR



- Data rate: 3 x 2,25 Gbps / 225 MHz
- 230VAC respectively 5V or via HDMI
- 63 x 18 x 54mm
- Cable length OUT: 20m

ITEM-NO	UNIT
003247012	1 pc



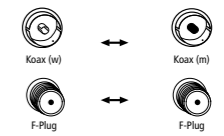
## UHD ANTENNA CABLE | 120 DB

EXZELLENTZ

The Excellence UHD antenna cable has been specially designed for the high requirements of receiving ultra-high resolution television formats (4K UHD). The 4-fold shielding (120 dB) protects the sensitive signal content from external interferences and ensures excellent picture and sound quality. The cable is fitted with high-quality solid metal plugs suitable for connecting DVB-T/-S/-C receivers and TV sets. The 24 carat gold-plated contacts reduce contact resistance to a minimum.



- 120 dB screening
- 4-fold shielding
- Future-proof 3 GHz
- Ultra HD 2160p (4K x 2K Video)
- Digital Video Broadcasting
- Solid core
- Low-loss PE insulation
- 24c gold-plated contacts



LENGTH	ITEM NO
1,5m Coax (m) > Coax (f); 120 dB	006263015
3,0m Coax (m) > Coax (f); 120 dB	00626303
5,0m Coax (m) > Coax (f); 120 dB	00626305
7,5m Coax (m) > Coax (f); 120 dB	006263075
10,0m Coax (m) > Coax (f); 120 dB	00626310
1,5m F plug; 120 dB	006264015
3,0m F plug; 120 dB	00626403
5,0m F plug; 120 dB	00626405

UNIT	ITEM NO
from 1m UHD antenna 120 dB   on spool	0062630098
bulk Coax plug (m)	006990071
bulk Coax plug (f)	006990081
bulk F-Type plug	006990091

HDTV ANTENNA CABLE A++ | DIN EN 50117-2-4



Professional high-end antenna cable, class A++. The cable meets the requirements of the standard DIN EN 50117-2-4 and has been recommended and approved by Deutsche Telekom. It is ideal for setting up BK systems for HD TV and supports the return channel (cable internet)

LENGTH	ITEM-NO
250m HD-TV antenna cable der Klasse A++	006260036
bulk F plug 4.9/6.8 mm	00652123
bulk Coax Tool	00652124

- HD TV antenna cable, class A++
- Meets the requirements of the standard DIN EN 50117-2-4
- Recommended and approved by Deutsche Telekom
- Suitable for return channel (Internet)
- Expanded PE dielectric
- Inner conductor: 1.0 mm bare copper
- Exterior diameter: 6.8 mm +/- 0.2 mm
- Low signal attenuation
- Excellent electrical values
- High ageing resistance



HDTV ANTENNA CABLE | 120 DB | HALOGEN FREE



This HDTV antenna cable is especially designed for the sophisticated requirements of high resolution television formats (HDTV). The 4-fold 120 dB shielding protects the sensitive signal contents and ensures excellent picture quality. It is suitable for the installation of BK, SAT and cable TV systems, and can be used indoors and outdoors. It can also be used for connecting DVB-T/-S/-C receivers.

- Cable diameter: 7.0 mm



LENGTH	ITEM-NO
100m	006260006

HDTV ANTENNA CABLE | 120DB



This HDTV antenna cable is especially designed for the superior requirements of high resolution television formats (HDTV). The 4-fold 120 dB screening protects the sensitive signal content and ensures excellent picture quality. It is suitable for installing BK, SAT and cable TV systems and can be used indoors and outdoors. It can also be used for connecting DVB-T/-S/-C receivers.

- Cable diameter: 7.0 mm



LENGTH	ITEM-NO
100m	00626000
500m	0062600098

HDTV ANTENNA CABLE | 100 DB



LENGTH	ITEM-NO
1,5m Coax (m) > Coax (f)	004261015
3,0m Coax (m) > Coax (f)	00426103
5,0m Coax (m) > Coax (f)	00426105
7,5m Coax (m) > Coax (f)	004261075
10,0m Coax (m) > Coax (f)	00426110
1,5m F plug; 100 dB	004262015
3,0m F plug; 100 dB	00426203
5,0m F plug; 100 dB	00426205
7,5m F plug; 100 dB	004262075
10,0m F plug; 100 dB	00426210

HDTV ANTENNA CABLE | 90 DB



LENGTH	ITEM-NO
1,5m Coax (m) > Coax (f)	003263015
3,0m Coax (m) > Coax (f)	00326303
5,0m Coax (m) > Coax (f)	00326305
1,5m F plug; 90 dB	003264015
3,0m F plug; 90 dB	00326403
5,0m F plug; 90 dB	00326405

HDTV ANTENNA CABLE 100 DB | 90°



LENGTH	ITEM-NO
1,5m Coax (m) 90° > Coax (f) 90°	004263015
3,0m Coax (m) 90° > Coax (f) 90°	00426303
5,0m Coax (m) 90° > Coax (f) 90°	00426305
7,5m Coax (m) 90° > Coax (f) 90°	004263075
10,0m Coax (m) 90° > Coax (f) 90°	00426310
1,5m F plug 90°; 100 dB	004264015
3,0m F plug 90°; 100 dB	00426403
5,0m F plug 90°; 100 dB	00426405
7,5m F plug 90°; 100 dB	004264075
10,0m F plug 90°; 100 dB	00426410

ANTENNA PLUG



A new type of high-end antenna plug made of solid metal with gold-plated contacts. Simple, safe and quick "twist-on" assembly.

- Cable extension: 7.0 mm
- Quick and easy "twist-on" assembly

UNIT	ITEM-NO
bulk F plug	00652122
bulk Coax (m) 90°	00652106
bulk Coax (f) 90°	00652108
Set of 2 Coax (m/f) 90°	006521081

VIDEO CABLE

VIDEO CABLE

PREMIUM



Massivleiter Solid Conductor  
 ABSCHIRMUNG SHIELDING  
 VERGOLDET GOLD-PLATED  
 75 OHM IMPEDANZ  
 OFC COPPER HOCHREIN HIGH PURITY  
 RoHS Compliant

LENGTH	ITEM-NO
0,75m	
1,0m	0041401
1,5m	
3,0m	0041403
5,0m	0041405
7,5m	
10m	
15m	

VIDEO CABLE

STAR



ABSCHIRMUNG SHIELDING  
 VERGOLDET GOLD-PLATED  
 75 OHM IMPEDANZ  
 RoHS Compliant

LENGTH	ITEM-NO
0,75m	00316207
1,0m	
1,5m	00316215
3,0m	0031623
5,0m	0031625
7,5m	00316275
10m	00316310
15m	00316315

S-VIDEO CABEL

PREMIUM



Massivleiter Solid Conductor  
 ABSCHIRMUNG SHIELDING  
 VERGOLDET GOLD-PLATED  
 75 OHM IMPEDANZ  
 OFC COPPER HOCHREIN HIGH PURITY  
 RoHS Compliant

LENGTH	ITEM-NO
100m	
1,0m	01051101
2,0m	01051102
3,0m	01051103
5,0m	01051105
7,5m	
10m	01051110
15m	

S-VIDEO CABEL

STAR



ABSCHIRMUNG SHIELDING  
 OFC COPPER HOCHREIN HIGH PURITY  
 75 OHM IMPEDANZ  
 RoHS Compliant

LENGTH	ITEM-NO
100m	0101175
1,0m	01011751
2,0m	
3,0m	01011753
5,0m	01011755
7,5m	010117575
10m	010117510
15m	010117515

ACCESSORIES

HDMI 2.0 REPEATER

EXZELLENZ



ULTRA HD 4K@60Hz  
 DATA RATE 18 Gbit/s  
 HDCP 2.2 COMPATIBLE  
 ARC  
 HDR-SUPPORT High Dynamic Range  
 CEC PASS-THROUGH  
 RoHS Compliant

- Supports 4K@60Hz 4:4:4 up to 25m
- 4K@30Hz up to 30m
- 1080p up to 50m
- Supports HDCP2.2 & 1.4
- downwardly compatible to HDMI1.4 & 1.3
- No separate power supply required

UNIT	ITEM-NO
1 pc 4K@60Hz 4:4:4 (18Gbps)	00912004

HDMI <> DVI ADAPTER

PREMIUM



VERGOLDET GOLD-PLATED  
 RoHS Compliant

UNIT	ITEM-NO
1 pc HDMI (f) > DVI-D (m)	0083240
1 pc HDMI (m) > DVI-D (f)	0083241

HDMI ANGLE ADAPTER 90°

PREMIUM



VERGOLDET GOLD-PLATED  
 RoHS Compliant

UNIT	ITEM-NO
1 pc HDMI (f) > HDMI (m)	0090201002

DISPLAYPORT

DISPLAYPORT CABLE

EXZELLENZ



ABSCHIRMUNG SHIELDING  
 Massivleiter Solid Conductor  
 VERSILBERT SILVER-PLATED  
 OFC COPPER HOCHREIN HIGH PURITY  
 RoHS Compliant

DisplayPort is an interface deined by the VESA (Video Electronics Standards Association). The Excellence DisplayPort cable is fully-wired and has 4 data ducts. Each data duct is designed for a bandwidth of 2.7 Gbit/s. It handles the highest specified data rate of 10.8 Gbit/s.

LENGTH	ITEM-NO
1,5m	00628015
3,0m	0062803
5,0m	0062805

SCART CABLE

SCART CABLE

PREMIUM



ABSCHIRMUNG SHIELDING  
 VERGOLDET GOLD-PLATED  
 OFC COPPER HOCHREIN HIGH PURITY  
 (STEREO)  
 RoHS Compliant

LENGTH	ITEM-NO
1,0m	0042201
2,0m	0042202
3,0m	0042203
5,0m	0042205
7,5m	00422075

RGB/YUV

RGB/YUV

EXZELLENZ



Metallstecker Solid Metal Plug  
 ABSCHIRMUNG SHIELDING  
 VERGOLDET GOLD-PLATED  
 OFC COPPER HOCHREIN HIGH PURITY  
 VERSILBERT SILVER PLATED  
 RoHS Compliant

LENGTH	ITEM-NO
0,75m	006202007
1,5m	
3,0m	00620203
5,0m	00620205
7,5m	006202075
10,0m	00620210
12,0m	00620212
15,0m	00620215

RGB/YUV

STAR



ABSCHIRMUNG SHIELDING  
 OFC COPPER HOCHREIN HIGH PURITY  
 VERGOLDET GOLD-PLATED  
 RoHS Compliant

LENGTH	ITEM-NO
0,75m	00320007
1,5m	00320015
3,0m	
5,0m	0032003
7,5m	01012755
10,0m	010127575
12,0m	010127510
15,0m	010127515

HDMI ANGLE ADAPTER 360°

PREMIUM



VERGOLDET GOLD-PLATED  
 RoHS Compliant

This premium HDMI adapter can be bent in any direction you wish. It is ideal for connecting an HDMI cable in narrow spaces, for example behind an LED-TV on the wall, or other components. With gold-plated contacts.

UNIT	ITEM-NO
1 pc 2 axis; 2 x 180°	0045217

HDMI MICRO ADAPTER

PREMIUM



VERGOLDET GOLD-PLATED  
 RoHS Compliant

This HDMI adapter allows mobile devices, such as cameras with a micro HDMI connector, to be linked up to a TV using a standard HDMI cable. With gold-plated contacts.

UNIT	ITEM-NO
1 pc HDMI (f)->Micro HDMI (m)	0045218

CD TIP | STEREO HÖRTEST



Listen and enjoy the most popular test track of the STEREO editorial! To put HiFi and High End-products to the acid test, it requires correspondingly high-quality music.

In collaboration with STEREO - the magazine for HiFi, High End and music – this compilation presents 15 more listening recommendation of the editorial. All tracks were sophisticated re-mastered by Stockfisch.

FORMAT	ITEM-NO	ARTIST   ALBUM
CD	0167928	Die Stereo Hörtest CD, Vol.VIII
LP Audiophile	01679281	Die Stereo Hörtest CD, Vol.VIII

### DISPLAYPORT ADAPTER



Active adapter from mini displayport to DVI. The adapter is powered via the display port socket and does not require an external power supply unit. This Plug&Play adapter does not need any special driver software. The display port interface can be found on MAC computers in particular (e.g. Mini MAC).

- 15cm cable length
- Supports Mini DP 1.1
- Supports 1080p
- Supports 225MHz / 2,25Gbps (6,75Gbps total)
- Supports 36 Bit deep color (3 x 12 Bit)
- Power supply over Mini DisplayPort



UNIT	ITEM-NO
1 pc Mini DisplayPort -> DVI	006285003

### S-VIDEO PLUG



UNIT	ITEM-NO
1 pc cable extension: 7,0mm	0083409

### SCART ADAPTER



- Scart <> RCA / S-Video; switchable | # 008323
- RCA / S-Video > Scart | # 0083230

UNIT	ITEM-NO
1 pc switchable	008323
1 pc	0083230

### PROFESSIONAL ANTENNA PLUG & COAX TOOL



Professional high end F-Plug. Easy mounting without screws or crimping. The connector is simply plugged onto the prepared cable and locks itself automatically.

- Professional F-Plug
- Very short and space-saving design
- Easy mounting without screws or crimping
- Suitable for cable #006260036 or other 4.9 / 6.8mm coaxial cable with bonded foil
- Coax tool: suitable for cable #0062600363 and plug #00652123
- Coax tool: with wrench to tighten the plug on the devices.



UNIT	ITEM-NO
bulk F plug 4.9/6.8 mm	00652123
bulk Coax Tool	00652124

### ANTENNA PLUG



- Cable extension: 7.0 mm
- Quick and easy "twist-on" assembly

UNIT	ITEM-NO
bulk F plug	00652122

### ANTENNA PLUG | 90°



- Cable extension: 7.0 mm
- Quick and easy "twist-on" assembly

UNIT	ITEM-NO
bulk Coax (m) 90°	00652106
bulk Coax (f) 90°	00652108
Set of 2 Coax (m/f) 90°	006521081

### SCREEN CLEANER



Environment-friendly special and biodegradable cleaner for TFT/LCD/PLASMA screens, PDA screens and all treated and untreated glass surfaces. Spray on a cloth and clean. Wipe dry with a lint-free dry cloth. Before application, please refer to the manufacturer's cleaning instructions. Contains no alcohol (not flammable). Contents: 250 ml TFT/LCD/PLASMA Screen Cleaner + 1 Vileda Micro-fiber cloth (size 38 x 40 mm)

UNIT	ITEM-NO
1 Set 250 ml; Vileda micro-fiber cloth	006528001

### SCREEN CLEANER



The surface of TFT | LCD | PLASMA displays consists of a sensitive plastic that can be easily scratched. Most flat-panel displays are also coated with an anti-reflective coating. This cleaner guarantees effective and gentle cleaning of the screen surfaces. Simply spray the screen cleaner onto the included microfibre cloth and clean the display. The cleaner is suitable for maintenance of flat-panel displays, TFT displays, digital cameras, smart phones, tablet PCs and laptops.



UNIT	ITEM-NO
1 Set Screen cleaner 50ml; micro-fiber cloth	004528002

### DISK CLEANER



The Disk-Clean cleaner was specifically designed for cleaning CDs, DVDs and Blu-rays. It removes dirt, fingerprints, etc., in a manner that is gentle, thorough and reliable. The environmentally friendly, antistatic ingredients prevent rapid re-soiling. Simply spray the surface of the disk, clean it with the included microfibre cloth with light pressure from the inside out, and then gently polish it.

UNIT	ITEM-NO
1 Set CD/DVD/Blu-ray cleaner 50ml; micro-fiber cloth	004528004

### EYEGASSES CLEANING KIT



The user benefits from exceptional cleaning power. The anti-fogging effect also significantly minimises fogging of the lenses. The lenses are sprayed from both sides with some eyeglasses cleaner and wiped with the included microfibre lens cloth. The eyeglasses cleaner also produces an anti-static, dirt-shedding sealant.

UNIT	ITEM-NO
1 Set Eyeglasses cleaning kit 50ml; micro-fiber cloth	004528003

„The inner timing was right: it was perfect fast for the effects and the air in the room. It's sound was just as relaxed as enthralling.“

AUDIO 10-2016 | Exzellenz Audio Cable



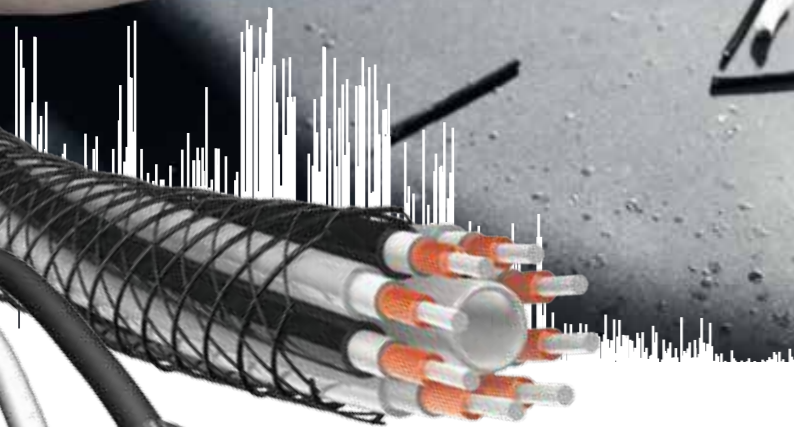
SPEAKER CABLE	48	61	DIGITAL COAX
MINI SPOOLS	53	62	DIGITAL OPTICAL
ACCESSORIES SPEAKER CABLE	54	63	PHONO CABLE
AUDIO CABLE	58	64	ACCESSORIES HOME HIFI
SUBWOOFER CABLE	60		

## HOME HIFI

It is a long way from the amplifier to the loudspeakers. With many obstructions in the loudspeaker cable: capacitance, inductivity, resistance, skin-effect and conductance of the insulation are all just waiting to throw the signals off track. We have something to prevent that: the best insulation from air and polyethylene. The best material from high-purity, oxygen-free copper (OFC), the most sophisticated, constructive solutions – for example, the Duo-PE II insulation – or also fine solid conductors for crystal-clear signal transmission. Sounds good? That sounds like in-akustik cables.

Playback devices such as CD, Blu-ray or record players only emit weak signals. Electro-magnetic interaction can easily derail these sensitive signals. This applies to audio cables as well as digital cables. Those who appreciate good sound make sure that they have the right cable. Even the best equipment will deliver bad quality with the wrong cables. Cables are the most important source of interference. Unless they are made by in-akustik. Cables from in-akustik help the fine impulses to reach the amplifier unaltered. With a sophisticated design and dense screening. To make sure every tone arrives.

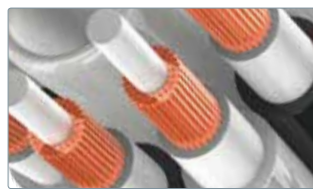




### LS-803



The little brother of the LS-1203 has an 8-fold multicore design. The tightlypacked PE-Network Jacket holds the wires together and reduces micro-vibrations (High Power Management), which occur in the cable from the changing magnetic fields in the beat of the music. The cable therefore also transmits high level and extreme dynamic peaks with absolute precision. 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 loudspeaker 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. The result: a homogeneous, balanced loudspeaker cable with a wide-ranging sound spectrum.



- 8-fold Multicore
- High Speed waveguide technology
- Concentric Copper
- DUO-PE II insulation around each conductor
- High Power Management
- PE-Network Jacket



LENGTH		ITEM-NO
2x3,0m	Easy Plug; Single-Wire	007700831
2x3,0m	Easy Plug; Single-BiWire	0077008311
2x3,0m	BFA Banana; Single-Wire	007700832
2x3,0m	BFA Banana; Single-BiWire	0077008321
2x3,0m	BFA Banana 45°; Single-Wire	007700835
2x3,0m	BFA Banana 45°; Single-BiWire	0077008351
2x3,0m	Spade Lug; Single-Wire	007700833
2x3,0m	Spade Lug; Single-BiWire	0077008331
2x3,0m	Screw Type; Single-Wire	007700834
2x3,0m	Screw Type; Single-BiWire	0077008341

### SPEAKER CABLE

#### LS-603



The Referenz LS-603 with its 6-fold multicore design has considerable electrical and tonal characteristics. The large cable section provides an excellent and controlled low frequency response and high efficiency.

- 6-fold Multicore
- High Speed waveguide technology
- Concentric Copper
- DUO-PE II insulation around each conductor
- High Power Management
- PE-Network Jacket

LENGTH		ITEM-NO
2x3,0m	Easy Plug; Single-Wire	007700631
2x3,0m	BFA Banana; Single-Wire	007700632
2x3,0m	BFA Banana   45°; Single-Wire	007700635
2x3,0m	Kabelschuh; Single-Wire	007700633
2x3,0m	Screw Type; Single-Wire	007700634

#### LS-1102



The Referenz LS-1102 has six conductors each with 37 concentrically stranded wires. The strands are in triple symmetry and specifically arranged in the CC-187 design to keep the inductance low and the resistance linear. The total cable cross-section delivers outstanding and controlled low frequency reproduction with high effectivity.

- Hexa CC-187 Design; 6 x 1,87 mm<sup>2</sup>
- 3-fold symmetrical design
- 37 wires concentrically stranded per conductor
- DUO-PE II insulation around each conductor
- Low induction for homogeneous reproduction
- PE-Network Jacket

LENGTH		ITEM-NO
50m	on spool   6 x 1,87 mm <sup>2</sup>	00781102

### CD | THE IN-AKUSTIK SOUNDCHECK



Which cable is suitable for which requirement? This CD helps you to find out. A collection of superior recordings from the in-akustik sales repertoire ensures the very highest level of musical pleasure. Each track represents different sound characteristics and listeners can hear for themselves the superior sound with in-akustik cables. After all, good music only sounds good with good cables.

- Available as HQCD or LP (180 gr.)
- Audiophile mastering
- Optimized spatial representation
- Improved dynamics
- Enhanced low frequencies



FORMAT	ITEM-NO	ARTIST   ALBUM
HQCD	0167505	The in-akustik Soundcheck
Audiophile Double LP (180 gr.)	01675051	The in-akustik Soundcheck

#### LS-1002



The Referenz LS-1002 consists of four wires in the CC-297 design. The conductors are arranged in double symmetry each with 37 concentrically stranded wires. The large cross-section ensures a wider base and depth.

- Quatro CC-297 Design; 4 x 2,97 mm<sup>2</sup>
- Double-symmetrical design
- 37 wires concentrically stranded per conductor
- DUO-PE II insulation around each conductor
- Low induction for homogeneous reproduction
- PE-Network Jacket

LENGTH		ITEM-NO
50m	on spool   6 x 1,87 mm <sup>2</sup>	00781002

LS-602



The Referenz LS-602 is a double-symmetrical cable design. The high density reduces the inductance factor to the benefit of the middle and high-frequency ranges.

- Quatro CC-187 Design; 4 x 1,87 mm<sup>2</sup>
- Double-symmetrical design
- 37 wires concentrically stranded per conductor
- DUO-PE II insulation around each conductor
- Low induction for homogeneous reproduction
- PE-Network Jacket

LENGTH	ITEM-NO
50m on spool   4 x 1,87 mm <sup>2</sup>	00780602

LS-502

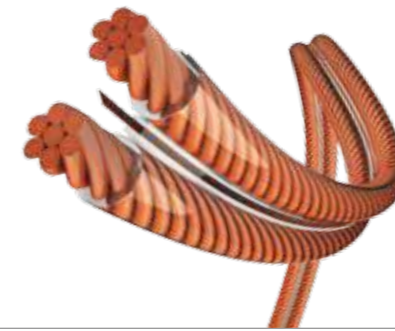


The LS-502 has two symmetrically arranged strands, each containing 37 concentrically stranded wires. The thick wires demonstrate its class even when used with high-performance systems. AUDIO (LS-502): "... the sound is so warm, just as you would expect from in-akustik Referenz – direct, honest, straightforward."

- Duo CC-297 Design; 2 x 2,97 mm<sup>2</sup>
- Symmetrical design
- 37 wires concentrically stranded per conductor
- DUO-PE II insulation around each conductor
- Low induction for homogeneous reproduction
- PE-Network Jacket

LENGTH	ITEM-NO
50m on spool   2 x 2,97 mm <sup>2</sup>	00780502

SPEAKER CABLE MSR



The Exzellenz speaker cables MSR use the legendary MSR®-technology (magnetic current reflector). The basis for this is the so-called proximity effect in which adjacent conductors cause an uneven distribution of the electric current. Basis of the patented MSR®-technology is a fine copper strip placed between the conductors which reduces the proximity effect of the two conductors.

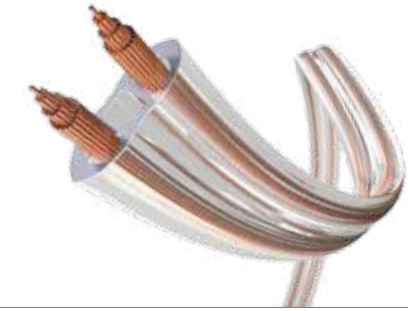
- MSR®-Technology
- Pure grade (oxygen free) copper
- Finest stranded (strand diameter 0,07 mm)
- 1302 / 2100 / 3150 strands
- Highly flexibel



Cable with MSR-Technology with regulated current distribution

LENGTH	ITEM-NO
100m on spool   2 x 2,5 mm <sup>2</sup>	0060242
80m on spool   2 x 4,0 mm <sup>2</sup>	0060244
50m on spool   2 x 6,0 mm <sup>2</sup>	0060246

ATMOS AIR



The Exzellenz Atmos Air relieves the burden on the amplifier with its loss-free air insulation and ensures significantly more dynamics, clarity and enjoyment.

- Rich in sound concentric copper conductor
- Loss-free air insulation
- Precise, concentric conductor design
- Additional air dielectric
- Plus/minus recognition

LENGTH	ITEM-NO
50m on spool   2 x 2,97 mm <sup>2</sup>	0060223

LS-40



The speaker cable Exzellenz LS-40 is based on the technical principles of the legendary Referenz Series. It consists of four twisted wires. The PE Network Jacket holds the wires tightly together. The insulation is made of high quality, solid PE (Polyethylene). The elaborately finished cable offers a powerful, dynamic and very clear sound. The 4-wire construction allows the use as a single bi-wire cable.

- 2 x 5,0mm<sup>2</sup> (4 x 2,5mm<sup>2</sup>)
- Low-loss PE insulation
- Copper wires with 50 x 0.25 mm strands
- Additional support elements made of PE
- Double symmetrical, 4-wire construction
- Low induction for homogeneous high-frequency reproduction

LENGTH	ITEM-NO
50m Exzellenz LS-40 4x2,5mm <sup>2</sup>	00602740
2x3,0m Easy Plug; Single-Wire	00602743
2x3,0m Easy Plug; Single-BiWire	006027431

LS-20



The speaker cable Exzellenz LS-20 is based on the technical principles of the legendary Referenz Series. It consists of two twisted wires. The PE Network Jacket holds the wires tightly together. The insulation is made of high quality, solid PE (Polyethylene). The elaborately finished cable offers a taut, dynamic and very clear sound.

- 2 x 2,5mm<sup>2</sup>
- Low-loss PE insulation
- Copper wires with 50 x 0.25 mm strands
- Additional support elements made of PE
- Symmetrical, 2-wire construction
- Low induction for homogeneous high-frequency reproduction

LENGTH	ITEM-NO
50m Exzellenz LS-20 2x2,5mm <sup>2</sup>	00602720
2x3,0m Easy Plug; Single-Wire	00602723

SPEAKER CABLE SILVER

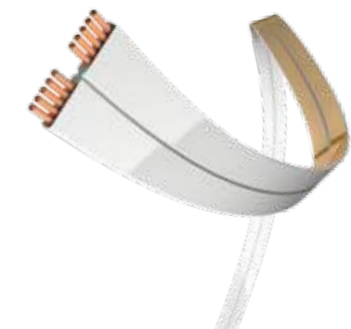


On the whole, highly-flexible wires have a larger conductor surface compared to solid designs. This benefits the transmission of high frequency ranges. As well as the fine wire design (0.07 mm), the silver-plating of the Exzellenz Silver also supports the transmission of high frequencies. The low-loss PE wire insulation and the additional PE dielectric also relieve the burden on the amplifier. For more dynamics and pleasure.

- High frequency range optimised, silver-plated concentric copper conductor (15 g/kg)
- Low-loss PE insulation
- Additional PE dielectric
- Finest 0.07 mm wire design
- Opposing S/Z stranding (easy to install)

LENGTH	ITEM-NO
60m on spool   2 x 4,0 mm <sup>2</sup>	0060214
70m on spool   2 x 6,0 mm <sup>2</sup>	0060212

SUPER FLAT



The super flat speaker cable with ten separate insulated solid conductors made from OFC copper ensures tight and precise sound transmission. Easy to lay in tubes under the carpet or behind the skirting boards. On the wall with the white side, on the parquet floor with the brown side. Practical with a great sound.

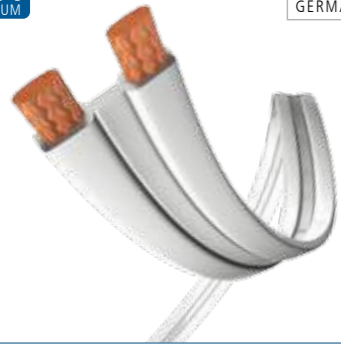
- Solid conductor (2 x 5 x 0.5 mm<sup>2</sup>) for more dynamics
- Two colour insulation, "hidden" cabling
- Super flat
- Plus/minus recognition

LENGTH	ITEM-NO
150m on spool   2 x 2,5 mm <sup>2</sup>	00402526



SPEAKER CABLE FLAT

PREMIUM



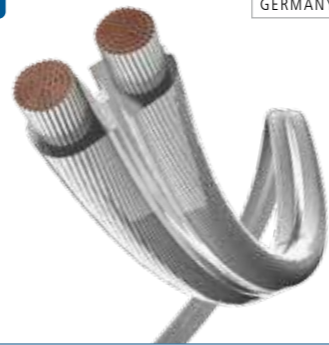
The flat speaker cable with its very fine, braided (not stranded) wires is extremely compact and flexible. It can be perfectly laid under carpets or behind skirting boards. Ideally suited for Surround systems.

- Finely-stranded: 0.10 mm (1.5 mm<sup>2</sup>) / 0.07 mm (2.5 mm<sup>2</sup>)
- "Invisible" to lay under carpets or behind skirting boards
- Flat, compact design
- Plus/minus recognition

LENGTH	ITEM-NO
130m 2 x 2,5 mm <sup>2</sup>   White	00402326

SPEAKER CABLE SILVER

PREMIUM



Treble – High Frequency – optimized Speaker cable with silver plated conductors and excellent features for the ambitious music lover and the professional user. This cable with durable insulation will provide a prominent sound performance

- High frequency range optimised, silver-plated concentric copper conductor (5 g/kg)
- Opposing S/Z stranding (easy to install)
- Resistant insulation
- Plus/minus recognition

LENGTH	ITEM-NO
100m 2 x 4,0 mm <sup>2</sup>   Trans	0040214
120m 2 x 2,5 mm <sup>2</sup>   Trans	0040212
180m 2 x 1,5 mm <sup>2</sup>   Trans	0040211

SPEAKER CABLE CU

PREMIUM



The Premium speaker cable brings delight to sophisticated music connoisseurs as well as professional users with its outstanding features. This robust cable ensures rich performances.

- Finely-stranded: 0.15 mm wire design
- Opposing S/Z stranding (easy to install)
- Resistant insulation
- Plus/minus recognition

LENGTH	ITEM-NO
100m 2 x 4,0 mm <sup>2</sup>   Trans	004024
100m 2 x 4,0 mm <sup>2</sup>   White	0040246
400m 2 x 4,0 mm <sup>2</sup>   Trans	00402498
120m 2 x 2,5 mm <sup>2</sup>   Trans	004022
500m 2 x 2,5 mm <sup>2</sup>   Trans	00402298
180m 2 x 1,5 mm <sup>2</sup>   Trans	004021

CABLE UNWINDER - LET'S ROCK AND ROLL

PREMIUM



An innovative solo unwinder for dealing with metre goods professionally:

- Allows metre goods to be stored easily on the peg-board in any combination with any number of spools.
- Uses the sales area extremely efficiently.
- Ideal for secondary placement.
- Easy to handle when replacing spools.
- Useful winding spools for convenient use

UNIT	ITEM-NO
1 pc Cable unwinder	0102711

CABLE RING

STAR



- Flexible, easy to install
- Universal speaker cable for any application
- Plus/minus recognition

LENGTH	ITEM-NO
6m 2 x 0,75 mm <sup>2</sup>   Trans	00302006
10m 2 x 0,75 mm <sup>2</sup>   Trans	003020010
10m 2 x 1,5 mm <sup>2</sup>   Trans	003021010
10m 2 x 1,5 mm <sup>2</sup>   White	0030216102
20m 2 x 1,5 mm <sup>2</sup>   Trans	003021020
10m 2 x 2,5 mm <sup>2</sup>   Trans	003022010

INCOGNITO

PREMIUM



The special speaker cable for small to Type satellite and shelf speakers. The thin round cable of 5 mm can be discreetly installed in corners or around doors and windows and can also be easily covered with an acrylic joint.

- High-purity OFC copper
- Halogen free (1,5mm<sup>2</sup>)
- "Invisible" for laying in corners
- Round, compact design (diameter: 5 mm)
- Plus/minus recognition

HALOGEN FREE

LENGTH	ITEM-NO
100m 2 x 1,5 mm <sup>2</sup>   halogen free	00402707

HALOGEN-FREE

PREMIUM



Special halogen-free and flame-retardant loudspeaker cable for the installation sector. Laying this durable cable is very user-friendly thanks to its rounded design. The strands, made of 0.25 mm thick wires, are easy to wire up and deliver high-power audio effects.

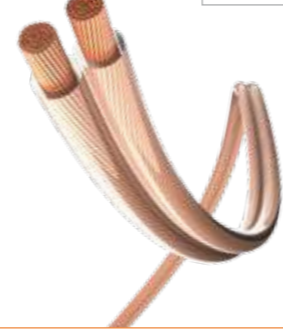
- Strand design 2 x 50 x 0.25 mm
- Rounded sheath makes them easy to lay
- Flame retardant & halogen-free
- Plus/minus recognition

HALOGEN FREE FLAME RETARDANT

LENGTH	ITEM-NO
100m 2 x 2,5 mm <sup>2</sup>   Grey	00402928

SPEAKER CABLE CU

STAR



The classic speaker cable for all applications with remarkable electrical properties.

- Universal speaker cable for any application
- Flexible and easy to install with opposing S/Z stranding
- Plus/minus recognition

LENGTH	ITEM-NO
150m 2 x 2,5 mm <sup>2</sup>   Trans	003022
500m 2 x 2,5 mm <sup>2</sup>   Trans	00302298
150m 2 x 2,5 mm <sup>2</sup>   White	0030226
200m 2 x 1,5 mm <sup>2</sup>   Trans	003021
1000m 2 x 1,5 mm <sup>2</sup>   Trans	00302198
200m 2 x 1,5 mm <sup>2</sup>   White	0030216
200m 2 x 1,5 mm <sup>2</sup>   Anthracite	0030218
400m 2 x 0,75 mm <sup>2</sup>   Trans	003020
400m 2 x 0,75 mm <sup>2</sup>   White	0030206

SPEAKER CABLE CU

PREMIUM



The Premium speaker cable brings delight to sophisticated music connoisseurs as well as professional users with its outstanding features. This robust cable ensures rich performances.

- Finely-stranded: 0.15 mm wire design
- Opposing S/Z stranding (easy to install)
- Resistant insulation
- Plus/minus recognition

LENGTH	ITEM-NO
10m 2 x 4,0 mm <sup>2</sup>   Trans	00402410

SPECIAL EDITION

STAR



Standard speaker cable for universal application at home or in the car.

- Flexible, easy to install
- Universal speaker cable for any application
- Plus/minus recognition
- Mini spool Euro\*

LENGTH	ITEM-NO
30m 2 x 1,5 mm <sup>2</sup>   Trans	01002430
30m 2 x 1,5 mm <sup>2</sup>   White	01002436
25m 2 x 2,5 mm <sup>2</sup>   Trans	01004425
30m* 2 x 1,5 mm <sup>2</sup>   Trans	010024309
30m* 2 x 1,5 mm <sup>2</sup>   White	010024369

SPECIAL EDITION

STAR



The universal speaker cable for all applications has square/round coding for correct connections and correct phasing to the amplifier and speaker.

- Flexible, easy to install
- Universal speaker cable for any application
- Plus/minus recognition
- Mini spool Euro\*

LENGTH	ITEM-NO
40m* 2 x 0,75 mm <sup>2</sup>   Trans	010017409

BANANA BFA-103

REFERENZ



- Rhodium-coated
- Dimensions: 45 x 15 mm (L x D)
- Cable cross-section: 10 mm<sup>2</sup>
- Cable diameter: 8.2 mm max. | 7,5 mm max (45°)
- Full-surface contact
- Fully insulated connector with screws

UNIT	ITEM-NO
Set of 4 4 mm Banana	00719001
bulk 4 mm Banana	007891800
Set of 4 4 mm Banana   45°	0078918011
bulk 4 mm Banana   45°	007891801

SCREW TYPE

REFERENZ



The BFA, flexible pin and spade lug adapter all provide several connection options, for instance, if the amplifier or speaker is replaced and different connections are required.

UNIT	ITEM-NO
bulk Basic Adapter	00971100
bulk BFA Banana Adapter	00789168bw
bulk Spade lug Adapter	009711018
bulk Flexible Pin Adapter	009711048

BANANA BFA

EXZELLEENZ



- Dimensions: 45 x 15 mm (L x D)
- Cable cross-section: 6 mm<sup>2</sup>
- Cable diameter: 8.2 mm max.
- Full-surface contact
- Fully insulated connector with screws
- 24c gold plated or silver plated

UNIT	ITEM-NO
bulk 4 mm Banana	00789169bw
bulk 4 mm Banana	008169
Set of 4 4 mm Banana	0081691

FLEXIBLE PIN

PREMIUM



- Cable cross-section: up to 4 mm<sup>2</sup>
- For safe and easy connections on clip terminals
- For crimping or soldering
- 24c gold plated

UNIT	ITEM-NO
bulk 1,5 mm <sup>2</sup> - 4,0 mm <sup>2</sup>	008155
Set of 4 1,5 mm <sup>2</sup> - 4,0 mm <sup>2</sup>	0081551

HOLLOW TIP

PREMIUM



- Cable cross-section: 6 mm<sup>2</sup>
- Full-surface contact
- For crimping or soldering
- 24c gold plated or silver plated

UNIT	ITEM-NO
bulk 4 mm Banana	008149
bulk 4 mm Banana; silver plated	0081492

SPADE LUG KS-103

REFERENZ



- Rhodium-coated
- Spade Lug in one piece
- Cable cross-section: 10 mm<sup>2</sup>
- Cable diameter: 9.2 mm max.
- Spring-loaded for better contact
- Staged spade lug 8 mm/6 mm



UNIT	ITEM-NO
Set of 4 8,2 mm	00719101
Set of 4 7,0 mm	00719103
bulk 7,0 mm	007890802
bulk 8,2 mm	007890800
bulk 9,2 mm	007890801

BANANA BFA

EXZELLEENZ



- Cable cross-section: 6 mm<sup>2</sup>
- Cable diameter: 8.2 mm max.
- Full-surface contact
- 24c gold plated
- Red/Black coding

UNIT	ITEM-NO
Set of 4 4 mm Banana	006500021

BANANA MULTI CONTACT

PREMIUM



- Cable cross-section: up to 16 mm<sup>2</sup>
- Red/Black coding
- With screw connection
- 24c gold plated

UNIT	ITEM-NO
bulk 4 mm Banana	008147
Set of 4 4 mm Banana	0081471

BANANA MULTI TIP

PREMIUM



- Cable cross-section: up to 16 mm<sup>2</sup>
- Red/Black coding
- With soldered connection
- 24c gold plated

UNIT	ITEM-NO
bulk 4 mm Banana; 6,0 mm <sup>2</sup>	0081483
Set of 4 4 mm Banana; 6,0 mm <sup>2</sup>	00814831
bulk 4 mm Banana; 10,0 mm <sup>2</sup>	0081484
Set of 4 4 mm Banana; 10,0 mm <sup>2</sup>	00814841

SPADE LUG KS-60

REFERENZ



- 24c gold plated contacts
- Cable cross-section: up to 6 mm<sup>2</sup>
- For crimping or soldering
- Black/White coding
- Staged spade lug 8 mm/6 mm

UNIT	ITEM-NO
bulk 6/8mm spade; 6,0 mm <sup>2</sup>	007896

SPADE LUG

PREMIUM



- 24c gold plated contacts
- Cable cross-section: up to 4 mm<sup>2</sup>
- For crimping or soldering
- Black/Red coding
- Staged spade lug 8 mm/6 mm

UNIT	ITEM-NO
bulk 6/8mm spade; 4,0 mm <sup>2</sup>	00450022



### BI-WIRE JUMPER



High-end bi-wire jumper based on the LS-1603. Fitted with the KS-103 Referenz 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 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.

UNIT	ITEM-NO
Set of 2 LS 803; 20 cm; Spade Lug	00719302
Set of 2 LS 803; 20 cm; BFA	00719303
Set of 2 LS 1203; 20 cm; Spade Lug	00719304
Set of 2 LS 1203; 20 cm; BFA	00719305
Set of 2 LS 1603; 20 cm; Spade Lug	00719306
Set of 2 LS 1603; 20 cm; BFA	00719307

### BI-WIRE JUMPER



High-end bi-wire jumper based on the LS-1002. Fitted with the KS-60 Referenz spade lug (6/8 mm)

UNIT	ITEM-NO
Set of 2 20 cm; Spade Lug	00719301

### SCHRINK TUBE



Tailored shrink tubes for self-assembly of the LS-502 to LS-1302 Referenz loudspeaker cables

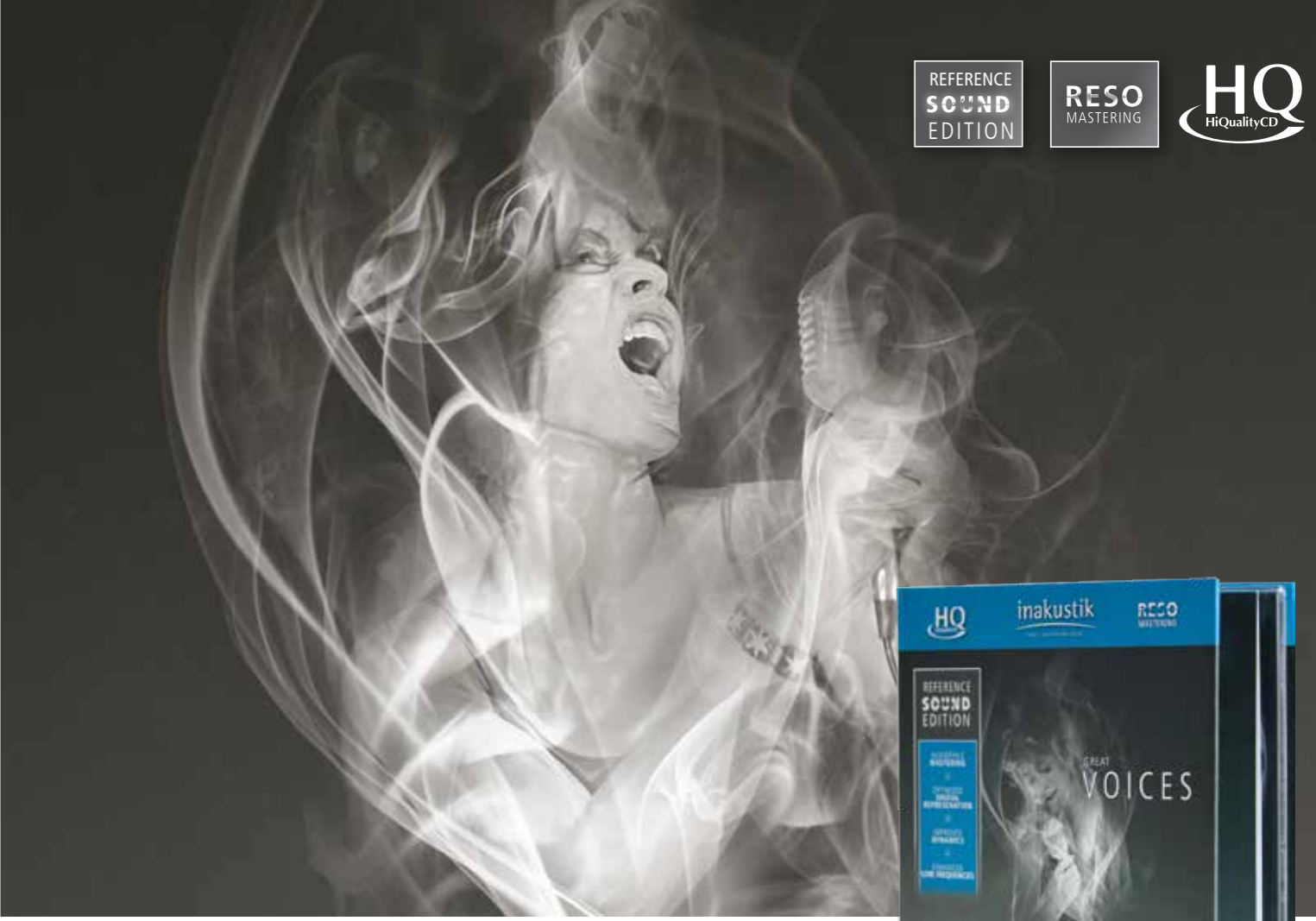
UNIT	ITEM-NO
40mm Ø12 mm; "in-akustik Germany"; Black	0109SS00060
150mm Ø6,4 mm; Black	0109SS00110
150mm Ø6,4 mm; White	0109SS00120

### SOLDER



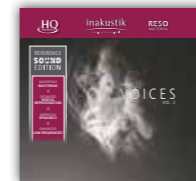
RoHS compliant special solder with high silver content. This ensures perfect and corrosion-free connections

UNIT	ITEM-NO
bulk Solder; lead-free; 100 g	010291



## REFERENCE SOUND EDITION

Welcome to the world of impeccable sound, the "IN-AKUSTIK Referenz SOUND EDITION". This remarkable sound carrier from in-akustik has been assembled with love of musical detail. RESO Mastering (Referenz Sound Mastering), the new high definition mastering procedure, provides significant acoustic improvements in transparency, dynamics, bass reproduction and depth differentiation. The music is gaining more atmosphere and emotion. In order to convey this musical experience appropriately, the recording Type is no ordinary CD, but an HQCD. Instead of ordinary LP vinyl, 180-gram Audiophile Virgin Vinyl is used. To best transmit this musical experience, the Direct Metal Mastercut (DMM) technique is employed and 180 gram pure Vinyl (Virgin Vinyl) is used for the sound carrier.



ITEM-NO	ARTIST   ALBUM	FORMAT
0167501	Reference Sound Edition – Great Voices Vol.1	HQCD
01675011	Reference Sound Edition – Great Voices Vol.1	Audiophile Double LP
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



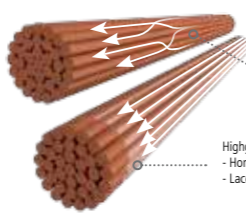
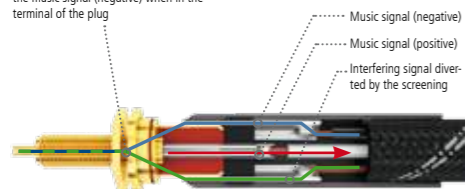


## STEREO AUDIO CABLE NF-803



The audio cable NF-803 from the in-akustik Referenz series convinces with outstanding clarity, precision and accuracy. Two high speed signal conductors provide the signal transport. 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 PE-Network Jacket also prevents micro-vibrations. Another highlight are the Referenz GAP II RCA plugs which take the symmetrical design of this connection to the limit.

The interfering signal is only mixed into the music signal (negative) when in the terminal of the plug



Standard conductor:  
- Undefined contact points between the wires  
- Eddy currents between the conductors  
- Bare wires

High Speed-conductor  
- Homogeneous signal flow  
- Lacquer-insulated wires

### GAP II RCA PLUG

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.

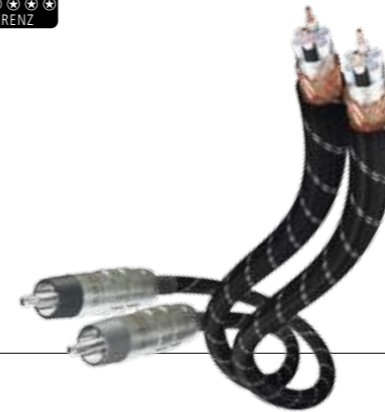
### HIGH SPEED SIGNAL CONDUCTOR

The NF-803 has fine stranded signal wires, with each individual wire having a lacquer coating. This coating insulates the wires from each other which creates a larger effective conductor surface. It also prevents eddy currents between the wires. A conductor that can also transmit extremely dynamic signal sequences very quickly and precisely.

LENGTH		ITEM-NO
0,75m	Stereo; RCA <-> RCA	007184007
1,0m	Stereo; RCA <-> RCA	007184010
1,5m	Stereo; RCA <-> RCA	007184015
0,75m	Stereo; XLR (m) <-> XLR (f)	0071840073
1,0m	Stereo; XLR (m) <-> XLR (f)	0071840103
1,5m	Stereo; XLR (m) <-> XLR (f)	0071840153

## AUDIO CABLE

### STEREO AUDIO CABLE NF-202



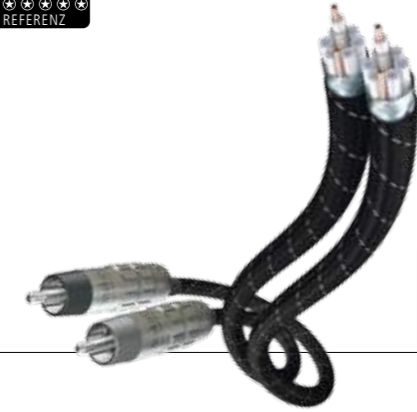
Precisely because audio signals are so sensitive, we have equipped our Referenz NF-202 audio cable with some highly-effective technology: optimum DUO-PE II insulation with air-filled PE tubes, an innovative GAP plug, but also in particular an extremely sophisticated, solid conductor made of high-purity OFC copper, which all ensure uniform transit times and crystal-clear signal transmission. The earth and signal conductors are the same size and arranged symmetrically. The PE network jacket prevents micro-vibrations.

- Symmetrical design (two solid conductors)
- PE network jacket against micro-vibrations
- Wires made of high-purity OFC copper
- Foil shielding and weave sleeve made of OFC copper
- DUO-PE II insulation around each conductor
- Polyethylene tubes filled with air (best insulator) reduce unwanted capacitance



LENGTH		ITEM-NO
50m	on spool; Mono; 7,2 mm; Price/m	0078202
0,6m	Stereo; RCA <-> RCA	00718106
1,2m	Stereo; RCA <-> RCA	00718112

### STEREO AUDIO CABLE NF-102



The Referenz NF-102 consists of solid, high-purity OFC copper which is covered with DUO-PE II insulation. The PE tubes filled with air, an innovative GAP plug, the exact arrangement of all elements, in particular the very sophisticated centrally-located, solid signal conductor all ensure uniform transit times. The PE network jacket prevents micro-vibrations.

- Coaxial design (central solid signal)
- PE network jacket against micro-vibrations
- Wires made of high-purity OFC copper
- Foil shielding
- DUO-PE II insulation around each conductor
- Polyethylene tubes filled with air (best insulator) reduce unwanted capacitance



LENGTH		ITEM-NO
50m	on spool; Mono; 5,8 mm; Price/m	0078102
0,6m	Stereo; RCA <-> RCA	00718006
1,2m	Stereo; RCA <-> RCA	00718012

### STEREO AUDIO CABLE | RCA



The Excellence audio cable has two separately routed shields. This means that the sensitive audio signals are optimally protected from external interferences. The silver-plated conductor transmits the analogue music signal extremely precisely and also enables a crystal clear and dynamic sound for high-resolution audio formats. The solid 24 carat gold-plated metal connectors constantly ensure maximum contact and minimal contact resistance.

- 2 fold coaxial construction
- Double Mono Design
- 2 x 2 fold shielding
- Silver plated
- Solide conductor
- High-purity OFC copper
- Low-loss PE insulation
- 24k gold plated contacts



LENGTH		ITEM-NO
0,75m	Stereo; RCA <-> RCA	006041007
1,5m	Stereo; RCA <-> RCA	006041015
3,0m	Stereo; RCA <-> RCA	00604103

### STEREO AUDIO CABLE | XLR



The very complex, double-symmetrical structure of the cable combined with the double shielding provides the sensitive audio signals with the best possible protection and reduces external interferences to a minimum. The silver-plated conductors transmit the analogue music signal precisely and enable crystal clear and dynamic sound especially for high-resolution audio formats. The solid 24 carat gold-plated contacts ensure optimum contact and minimal contact resistance.

- Doublesymmetrical Design
- 2 x 2-fold shielding
- Silver plated
- Very low capacity
- High-purity OFC copper
- Double mono construction
- Low-loss PE insulation
- 24k gold-plated contacts

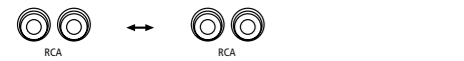


LENGTH		ITEM-NO
0,75m	Stereo; XLR <-> XLR	006050007
1,5m	Stereo; XLR <-> XLR	006050015
3,0m	Stereo; XLR <-> XLR	00605003

STEREO AUDIO CABLE | RCA



- PREMIUM
- ABSCHIRMUNG SHIELDING
- VERGOLDET GOLD-PLATED
- OFC COPPER HOCHREIN HIGH PURITY
- SYMMETRICAL CONSTRUCTION
- RoHS Compliant
- HEIMKINO 1,1
- übertragend



LENGTH	ITEM-NO
0,75m Stereo; RCA <-> RCA	00404007
1,5m Stereo; RCA <-> RCA	00404015
3,0m Stereo; RCA <-> RCA	0040403
5,0m Stereo; RCA <-> RCA	0040405

STEREO AUDIO CABLE | XLR

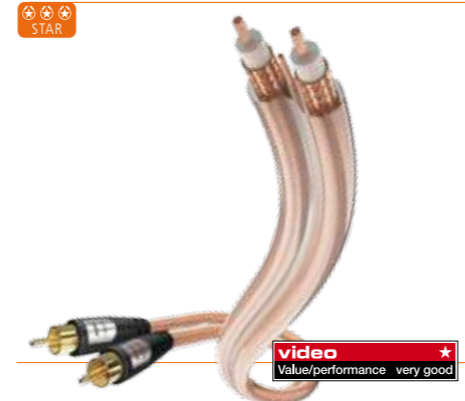


- PREMIUM
- ABSCHIRMUNG SHIELDING
- VERGOLDET GOLD-PLATED
- OFC COPPER HOCHREIN HIGH PURITY
- SYMMETRICAL CONSTRUCTION
- RoHS Compliant
- HEIMKINO 1,1
- übertragend



LENGTH	ITEM-NO
0,75m Stereo; RCA <-> RCA	00405007
1,5m Stereo; RCA <-> RCA	00405015
3,0m Stereo; RCA <-> RCA	0040503
5,0m Stereo; RCA <-> RCA	0040505

STEREO AUDIO CABLE | RCA

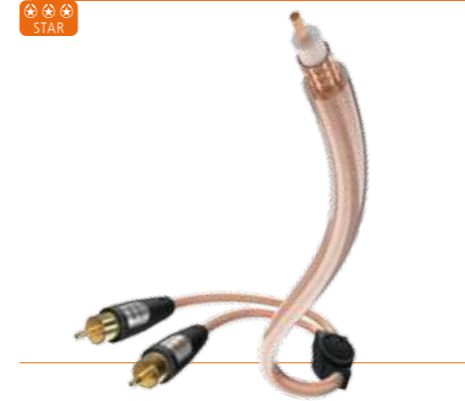


- STAR
- ABSCHIRMUNG SHIELDING
- VERGOLDET GOLD-PLATED
- OFC COPPER HOCHREIN HIGH PURITY
- SYMMETRICAL CONSTRUCTION
- RoHS Compliant
- video
- Value/performance: very good



LENGTH	ITEM-NO
0,75m Stereo; RCA <-> RCA	00304107
1,5m Stereo; RCA <-> RCA	00304115
3,0m Stereo; RCA <-> RCA	0030413
5,0m Stereo; RCA <-> RCA	0030415
50m on spool; price/m	00304000

SUB CABLE | Y-SUB

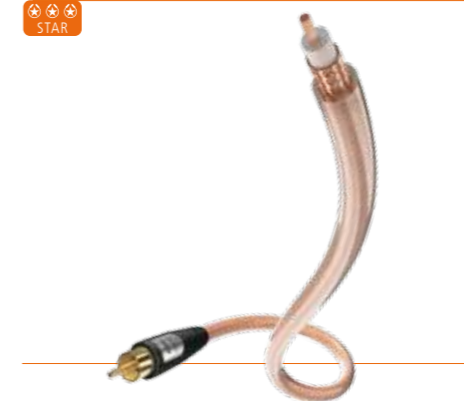


- STAR
- ABSCHIRMUNG SHIELDING
- VERGOLDET GOLD-PLATED
- OFC COPPER HOCHREIN HIGH PURITY
- RoHS Compliant



LENGTH	ITEM-NO
2,0m Y Sub	0030822
3,0m Y Sub	0030823
5,0m Y Sub	0030825
7,5m Y Sub	00308275
8,0m	
10,0m Y Sub	00308310
12,0m Y Sub	00308312
15,0m	

SUB CABLE | MONO



- STAR
- ABSCHIRMUNG SHIELDING
- VERGOLDET GOLD-PLATED
- OFC COPPER HOCHREIN HIGH PURITY
- RoHS Compliant



LENGTH	ITEM-NO
2,0m Mono Sub	00308221
3,0m Mono Sub	00308231
5,0m Mono Sub	00308251
7,5m Mono Sub	003082751
8,0m	
10,0m Mono Sub	003083101
12,0m Mono Sub	003083121
15,0m	

CD-TIPP | A TASTY SOUND COLLECTION



Tracks as blue as the kind of atmosphere you can only really get through with a good single malt in your hand. Songs from singers and songwriters to savour like fine wine. Relaxing music to unwind with a nice, hot cup of tea. Latin American rhythms. From salsa to Latin jazz – a mix of coffee, Cuba and Caribbean. That is the Tasty Sound Series from in-akustik.

FORMAT	ITEM-NO	ARTIST	ALBUM
CD	0167961	Coffee & Latin	
CD	0167962	Tea & Tones	
CD	0167963	Wine & Vocals	
CD	0167964	Whisky & Blues	
CD	0167965	Champagne & Songs	
CD	0167966	Cocktails & Guitars	
CD	0167967	Cigars & Sounds	
CD	0167968	Absinthe & Voices	
CD	0167969	Beer & Rock	

SUBWOOFER CABLE

SUBWOOFER CABLE | MONO



- EXZELLENZ
- MADE IN GERMANY
- ABSCHIRMUNG SHIELDING 2x2
- 2-FACH 2-FOLD COAXIAL
- VERSILBERT SILVER PLATED
- Massivleiter Solid Conductor
- VERLUSTARME PE-ISOLATION LOW-LOSS PE INSULATION
- VERGOLDET GOLD-PLATED
- Metallstecker Solid Metal Plug
- LFE MONO
- OFC COPPER HOCHREIN HIGH PURITY
- TEXTILE JACKET
- RoHS Compliant
- PURE AUDIO PERFORMANCE



LENGTH	ITEM-NO
2,0m Mono Sub	00604202
3,0m Mono Sub	00604203
5,0m Mono Sub	00604205
7,5m Mono Sub	006042075
8,0m	
10,0m Mono Sub	00604210
12,0m Mono Sub	00604212

SUBWOOFER CABLE | Y-SUB

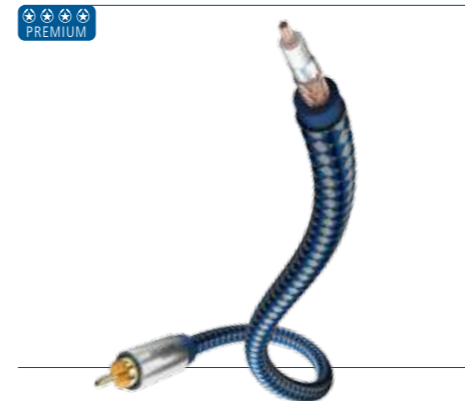


- PREMIUM
- ABSCHIRMUNG SHIELDING
- VERGOLDET GOLD-PLATED
- OFC COPPER HOCHREIN HIGH PURITY
- RoHS Compliant
- hifitest.de
- HEIMKINO 1,1
- übertragend



LENGTH	ITEM-NO
2,0m Y Sub	0040802
3,0m Y Sub	0040803
5,0m Y Sub	0040805
7,5m	
8,0m	
10,0m	
12,0m	

SUBWOOFER CABLE | MONO



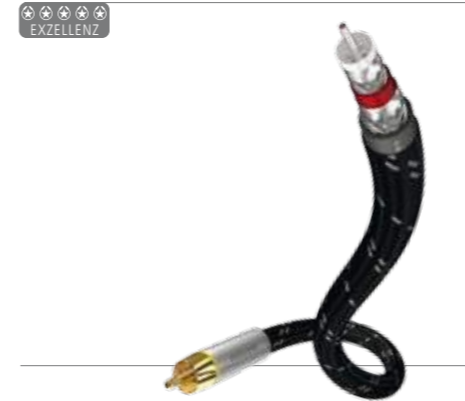
- PREMIUM
- ABSCHIRMUNG SHIELDING
- VERGOLDET GOLD-PLATED
- OFC COPPER HOCHREIN HIGH PURITY
- RoHS Compliant



LENGTH	ITEM-NO
2,0m Mono Sub	00408021
3,0m Mono Sub	00408031
5,0m Mono Sub	00408051
7,5m	
8,0m	
10,0m	
12,0m	

DIGITAL COAX

DIGITAL COAX



- EXZELLENZ
- MADE IN GERMANY
- 2-FACH 2-FOLD COAXIAL
- ABSCHIRMUNG SHIELDING 2x2
- VERSILBERT SILVER PLATED
- Massivleiter Solid Conductor
- LOW JITTER
- OFC COPPER HOCHREIN HIGH PURITY
- VERLUSTARME PE-ISOLATION LOW-LOSS PE INSULATION
- VERGOLDET GOLD-PLATED
- Metallstecker Solid Metal Plug
- 75 OHM IMPEDANZ
- TEXTILE JACKET
- PURE AUDIO PERFORMANCE



LENGTH	ITEM-NO
0,75m RCA <-> RCA	006044007
1,5m RCA <-> RCA	006044015
3,0m RCA <-> RCA	00604403

XLR AES/EBU DIGITAL CABLE



- EXZELLENZ
- MADE IN GERMANY
- AES/EBU
- ABSCHIRMUNG SHIELDING 2x2
- VERSILBERT SILVER PLATED
- LOW JITTER
- OFC COPPER HOCHREIN HIGH PURITY
- SYMMETRICAL CONSTRUCTION
- VERLUSTARME PE-ISOLATION LOW-LOSS PE INSULATION
- VERGOLDET GOLD-PLATED
- Metallstecker Solid Metal Plug
- 110 OHM IMPEDANZ
- TEXTILE JACKET
- PURE AUDIO PERFORMANCE



LENGTH	ITEM-NO
0,75m AES/EBU, XLR(m) <-> XLR(f)	006051007
1,5m AES/EBU, XLR(m) <-> XLR(f)	006051015
3,0m AES/EBU, XLR(m) <-> XLR(f)	00605103

## COAX DIGITAL

PREMIUM



ABSCHIRMUNG SHIELDING  
 VERGOLDET GOLD-PLATED  
 OFC COPPER HOCHREIN HIGH PURITY  
 Massivleiter Solid Conductor  
 75 OHM IMPEDANZ  
 RoHS Compliant



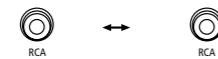
LENGTH	ITEM-NO
0,75 m	
1,0 m RCA <-> RCA	0041401
1,5 m	
3,0 m RCA <-> RCA	0041403
5,0 m RCA <-> RCA	0041405
7,5 m	
10,0 m	
15,0 m	

## COAX DIGITAL

STAR



ABSCHIRMUNG SHIELDING  
 OFC COPPER HOCHREIN HIGH PURITY  
 VERGOLDET GOLD-PLATED  
 75 OHM IMPEDANZ  
 RoHS Compliant



LENGTH	ITEM-NO
0,75 m RCA <-> RCA	00316207
1,0 m	
1,5 m RCA <-> RCA	00316215
3,0 m RCA <-> RCA	0031623
5,0 m RCA <-> RCA	0031625
7,5 m RCA <-> RCA	00316275
10,0 m RCA <-> RCA	00316310
15,0 m RCA <-> RCA	00316315

## BLUES CD | BLUES COMPANY



In 2016, Todor „Tosho“ Todorovic received the first Lifetime Award ever presented at the BIG-Blues-Award for his achievements in blues music in Germany. The Blues Company celebrated the band's 40th birthday with a special concert in the SWR Funkhaus in Mainz. Old, New, Borrowed but Blues – the theme of the evening quickly became the title of the album. They thrilled the audience with a set-list consisting of „old“ Blues Company titles, new and previously unreleased songs composed by Tosho Todorovic and „borrowed“ tracks, i.e. cover versions.

The Company were supported by the Soul Sistaz Seda Devran and Maria Nicolaides on vocals as well as by the Fabulous BC Horns Uwe Nolopp and Volker Winck.

FORMAT	ITEM-NO	ARTIST   ALBUM
CD	0169145	Old, New, Borrowed But Blues
LP Audiophile	01691451	Old, New, Borrowed But Blues

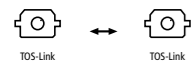
## DIGITAL OPTICAL

### DIGITAL CABLE | OPTICAL

EXZELLEENZ



LICHTLEITER OPTICAL FIBER  
 PMMA-FASER POLYMER FIBER  
 LOW JITTER  
 Metallstecker Solid Metal Plug  
 TEXTILE JACKET  
 TOS Link  
 RoHS Compliant



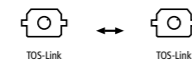
LENGTH	ITEM-NO
0,75m	
1,0m Toslink <-> Toslink	00604501
1,5m	
2,0m Toslink <-> Toslink	00604502
3,0m	
5,0m	
10,0m	

### DIGITAL CABLE | OPTICAL

PREMIUM



LICHTLEITER OPTICAL FIBER  
 Nylon-Lichtleiter Nylon Optical Fiber  
 RoHS Compliant



LENGTH	ITEM-NO
0,75m	
1,0m Toslink <-> Toslink	0041201
1,5m	
2,0m Toslink <-> Toslink	0041202
3,0m Toslink <-> Toslink	0041203
5,0m Toslink <-> Toslink	0041205
10,0m Toslink <-> Toslink	0041210

### DIGITAL CABLE | OPTICAL

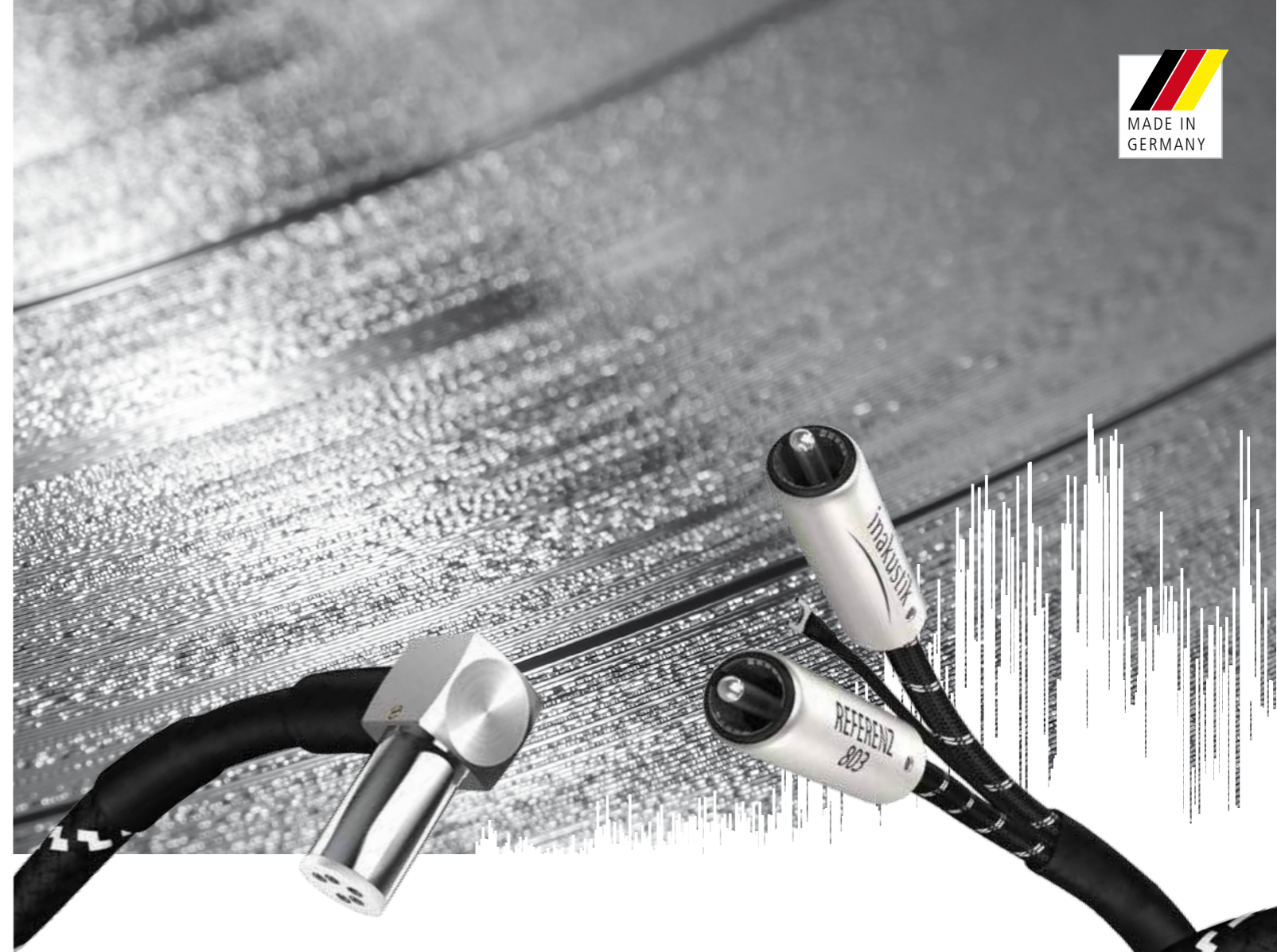
STAR



LICHTLEITER OPTICAL FIBER  
 RoHS Compliant



LENGTH	ITEM-NO
0,75m Toslink <-> Toslink	00312107
1,0m	
1,5m Toslink <-> Toslink	00312115
2,0m	
3,0m Toslink <-> Toslink	0031213
5,0m	
10,0m	
0,75m 3,5 Mini <-> Toslink	003121071
1,5m 3,5 Mini <-> Toslink	003121151
3,0m 3,5 Mini <-> Toslink	00312131



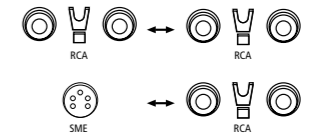
## PHONO CABLE NF-803

REFERENZ

The phono cable NF-803 convinces with outstanding clarity, precision and accuracy. Two high speed signal conductors provide the signal transport. 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 PE-Network Jacket also prevents micro-vibrations. Another highlight are the Referenz GAP II RCA plugs which take the symmetrical design of this connection to the limit.



- High Speed signal conductor
- Symmetrical design
- High-purity OFC copper
- Braided shielding
- DUO-PE II Insulation
- PE-Network Jacket
- 2-fold PE-Tube Isolation



**HÖRERLEBNIS**  
Die Zeitschrift für highfidelies Hören

„Conclusion: Both cables (NF-803 & NF-202) should be used in sophisticated systems. This is where they belong. If you're willing to spend 100€ more for the NF-803 it's a good investment in even better quality. You'll get more out of it in every situation, which is certainly due to the higher quality materials. In the end it is pleasant to see that in a HiFi world, where nobody seems to be afraid of high numbers anymore, in-akustik holds products for lovers of analog music at really great value for money. They are therefore very much in line with the trend“

(Hörerlebnis | 92)

LENGTH	ITEM-NO
1,5m Phono RCA > Phono RCA	0071840215
1,5m SME > Phono RCA	0071840315



PHONO CABLE

PHONO CABLE NF-202



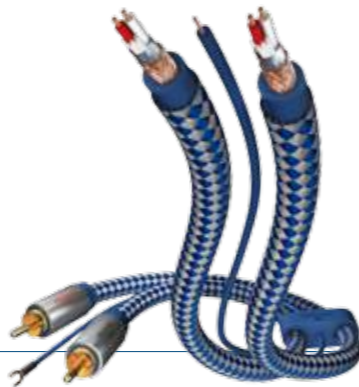
Precisely because audio signals are so sensitive, we have equipped our Reference phono cable NF-202 with some highly-effective technology: optimum DUO-PE II insulation with air-filled PE tubes, an innovative GAP plug, but also in particular an extremely sophisticated, solid conductor made of high-purity OFC copper, which all ensure uniform transit times and crystal-clear signal transmission. The earth and signal conductors are the same size and arranged symmetrically. The PE network jacket prevents micro-vibrations.

- Symmetrical design
- High-purity OFC copper
- Foil shielding and weave sleeve
- DUO-PE II Insulation
- PE-Network Jacket
- PE-Tube Insulation



LENGTH	ITEM-NO
0,75m	
1,5m Phono RCA > Phono RCA	007181215
2,0m	
1,5m SME > Phono RCA	007181315

PHONO CABLE



Special phono cable for record players with the MM/MC system. With a separate ground cable to ground the drive. The symmetrical structure and double shielding protect the sensitive signal from external interference factors. The properties of the high-quality PE insulation and the high copper content ensure a detailed, dynamic and powerful sound.



LENGTH	ITEM-NO
0,75m Phono RCA > Phono RCA	00405107
1,5m Phono RCA > Phono RCA	00405115
2,0m Phono RCA > Phono RCA	00405120

ACCESSORIES HOME HIFI

PHONO PRE-AMP



The Premium Phono Pre-Amp is also suitable for the digitisation of record collection or the digitisation of other analogue audio sources, such as cassette decks in conjunction with a PC.

- Switchable from Line In to Line Out
- Compatible with MM and MC systems
- Compatible with Win98/ME/2000/XP7/8
- Compatible with Mac OS 2.1 / 10.2 / 10.4
- Sampling rate up to 48 kHz
- Dimensions: approx. 129 x 75 x 31 mm
- Incl. power supply and USB/Phono/RCA cable

UNIT	ITEM-NO
1 pc PreAmp + USB Grabber	00415004

RECORD BRUSH



This antistatic carbon-fibre brush, with more than a million extremely fine fibres, is especially effective at removing even the tiniest grains of dust and particles of dirt from the record grooves. The static charge is also greatly reduced. The result is an audibly improved sound experience and a longer life for your record collection.

- Antistatic
- Eliminates static discharge on both sides
- More than a million conductive carbon fibres
- Protective guard with stripping edge for cleaning the fibres
- Reduces crackling noises

UNIT	ITEM-NO
1 pc Carbon fiber brush	004528001

RECORD COVER PROTECTION & SLIPCOVER



The slipcovers are made of anti-static HDPE (high density polyethylene) that prevents electrostatic charge on the vinyl. This decreases the attraction of new dust particles and reduces crackling during play back. The special format offers a particular advantage. One side is rounded off meaning the record inner sleeves easily slide into LP covers and paper sleeves. This is particularly interesting for collectors who want to preserve the original inside cover.

UNIT	ITEM-NO
Set of 50 LP-Slipcover; 12"	004528005
Set of 50 LP-Cover; 12"	004528006



SLITTED CABLE CONDUIT



Hi-fi, TV and computer devices have to be connected with a great many signal and power cables. These cables can often impair the appearance or become trip hazards. This high-quality fabric cable conduit allows cables to be bundled together in an attractive manner. The conduit is slitted and rolls together in an overlapping manner of its own accord. This means that the cables do not need to be pushed through the conduit but can be conveniently inserted in the conduit over its entire length. This means that it can also accommodate power cables with large (Schuko) plugs.



LENGTH	ITEM-NO
38m Premium slitted cable conduit 19 mm   Price/m	009210719

## CABLE CONDUIT

PREMIUM



Hi-fi, TV and computer devices have to be connected with a great many signal and power cables. These cables can often impair the appearance or become trip hazards. This high-quality fabric cable conduit allows cables to be bundled together in an attractive manner. The conduit has been designed so that it can accommodate power cables with large (Schuko) plugs. It can be cut to the required length conveniently with a pair of scissors. One notable feature is that the fabric at the ends does not fray as easily as other conduits.

- Simple to cut
- Stabilised braid
- Reduced fraying at the ends
- Diameter: 25-38 mm
- Colour: grey
- Length: 38m

LENGTH	ITEM-NO
38m 25-38mm   Price/m	009210032

## DAC CONVERTER | USB POWER

STAR



The Star Studio Digital Converter converts digital audio data into analog signals. Its application range is by the optical (Toslink) and coaxial (RCA) input very universal. The converter can be used, for example, for the faint sound of a new flat-screen television on an older but sound quality hi-fi player. The stereo output provides to the usual line-level and can be connected, for example, to the AUX or ,TV input of the amplifier. Power supply using AC adapter or through USB.

- Power supply using AC adapter or through USB
- Audio formats LPCM 44/48/96 kHz
- Supports up to 24 Bit
- Stereo Line Out
- Two inputs (optical | coaxial)
- Universal range of application
- compact design (79x50x25mm)
- S/N ratio > 100dB
- Harmonic distortion: 0.05% max.
- Wolfson-Chip

UNIT	ITEM-NO
1 pc Opto/Coax -> 2 RCA	00315002

## OPTO SPLITTER

PREMIUM



The Premium Toslink splitter distributes two optical outputs to one input and vice versa. For instance, if the AV receiver only has one optical input but needs to be connected to a CD player as well as a DVD player with optical output.

UNIT	ITEM-NO
1 pc Toslink > 2 x Toslink	01040100

## GAP RCA

REFERENZ



- Cable extension: 7,2 mm
- Solid metal plug
- Grey/Black coding
- Rhodium-coated
- Balanced mass ratio of pin and ground ring
- Extremely low in capacitance

UNIT	ITEM-NO
bulk GAP RCA 60; 7,2 mm	00789206

## XLR

PREMIUM



- Cable extension: 8,0 mm; - Tülle 10,0 mm
- Solid metal plug
- Solid XLR plug/coupling for perfectly symmetrical connections.

UNIT	ITEM-NO
bulk XLR (m)	0083331
bulk XLR (f)	0083332

## RCA

STAR



- Cable extension: 8,0 mm; 6,0 mm
- Solid metal plug
- Red/Black coding
- 24c gold-plated contacts
- Kink protection and strain relief

UNIT	ITEM-NO
bulk Cable extension: 8,0 mm	008110

## OPTO CONVERTER

PREMIUM



Converter for adjusting devices with optical digital outputs to devices with coaxial input or vice versa. For instance, this allows a DVD player with an optical output to be connected to the coaxial input of an AV receiver.

UNIT	ITEM-NO
1 pc Coax > Toslink; 230V AC	01040101
1 pc Toslink > Coax; 230V AC	01040102

## DISK CLEANER

PREMIUM



The Disc-Clean cleaner was specifically designed for cleaning CDs, DVDs and Blu-rays. It removes dirt, fingerprints, etc., in a manner that is gentle, thorough and reliable. The environmentally friendly, antistatic ingredients prevent rapid re-soiling. Simply spray the surface of the disk, clean it with the included microfibre cloth with light pressure from the inside out, and then gently polish it.

UNIT	ITEM-NO
Set of 1 cleaner 50ml; mf cloth	004528004

## SILVER SOLDER

PREMIUM



RoHS conform silver solder with a high content of silver and excellent flow capacities. A perfect electrical connection and corrosion prone contact is achieved.

UNIT	ITEM-NO
bulk Special-solder, lead-free, 100 g	010291

## RCA F & Y ADAPTER

PREMIUM



- Red/Black coding
- Solid metal plug
- 24c gold-plated contacts

UNIT	ITEM-NO
Set of 2 F-Adapter	0080421
Set of 2 Y-Adapter	0080431

## RCA PHONE PLUG ADAPTER

PREMIUM



- 24c gold plated contacts
- 3,5mm Klinke -> 2 x RCA (w)

UNIT	ITEM-NO
1 pc 3,5mm Klinke -> 2xRCA (f)	0081381

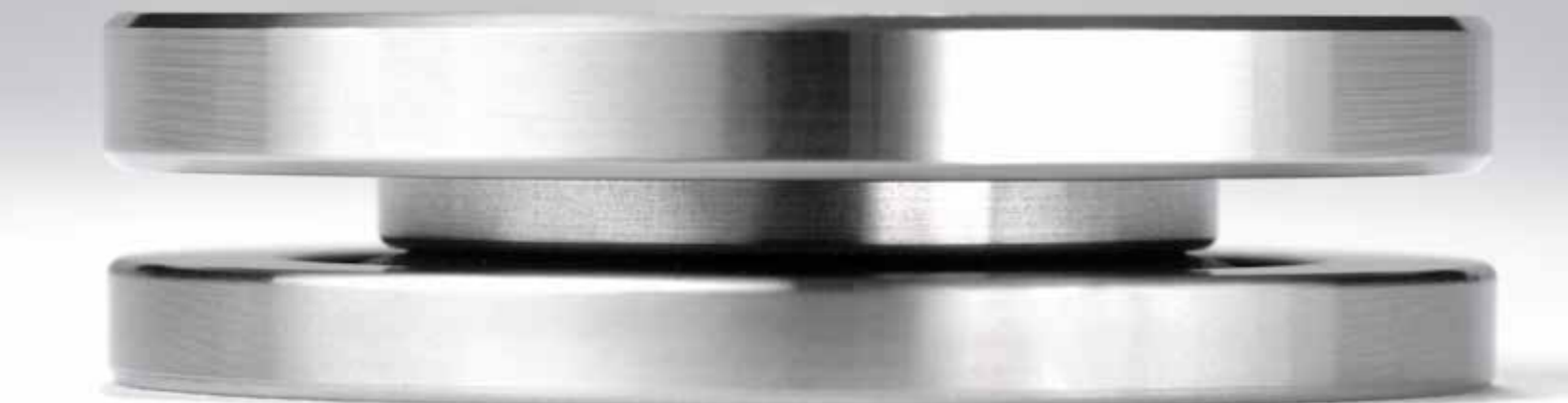
## RCA DOUBLE COUPLING

PREMIUM



- Red/Black coding
- Solid metal plug
- 24c gold-plated contacts

UNIT	ITEM-NO
Set of 2 RAC (f) <-> RCA (f)	0080951



## HIGH TECH GEL ABSORBER



High-end and hi-fi systems are a combination of highly precise and delicate devices. Perfectly attuned to each other, they allow music to be played back in outstanding quality. So 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 airborne noise. The combination of airborne and structure-borne noise causes all of the components of the hi-fi system to vibrate mechanically. Experiments have shown that this has a considerable impact on the sound. This Reference absorber set provides a solid sound basis. The absorbers have a special gel at their core that absorbs vibration energy. This set contains 12 gel pads for various weight classes for the optimum tuning and decoupling of the devices and loudspeakers.



In order to set up components optimally and decouple them, different gel pads are included in this set. In the table you can find the assignment to the respective weight classes. The values are recommendations based on measurements made by in-akustik.

- 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)
- 3 x 4 Hightech-Absorber-Gel
- Top and bottom part made from stainless steel
- 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)

UNIT	ITEM-NO
Set Gel Absorber	00719220

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

## GEL ABSORBER



Hi-fi systems are a combination of highly precise devices. So that they can work without interference, just like sensitive measuring equipment, they need to be kept free of shocks. These gel absorbers provide a solid sound basis without vibrations. They have a special gel at their core that absorbs vibration energy.



- Plates made of stainless steel
- 4 pcs gel absorber
- Withstands up to 20 kg
- Felt pads and adhesive pads
- Dimensions approx. 45 x 5 mm (D x H)

UNIT	ITEM-NO
Set of 4 Gel Absorber	008560

## PLATE MINI



The simple sub-frequency protection plates for linking devices and speakers to one place reduces vibrations.

- Withstands up to 8 kg/pc

UNIT	ITEM-NO
Set of 4 17 x 3 mm; Chrom	008499

## PIC & PLATE 40



The solid sub-frequency absorber for linking devices and speakers to one place and reducing vibration. It can be adjusted and has adhesive pads. Plate 40 is a correctly-sized disc for protecting the surface of where the device stands.

- Withstands up to 40 kg/Set of 4 -> 10 kg/pc

UNIT	ITEM-NO
Set of 4 Pic; 36 x 30 mm	00719201
Set of 4 Plate; 30 x 5 mm	00719211

## BOLIDE ABSORBER



The Exzellenz bolide shock absorber consists of a special rubber compound and a sophisticated in design for optimum damping of vibration between the devices and the standing position.

- Withstands up to 50 kg / set of 4 -> 12,5 kg/pc

UNIT	ITEM-NO
Set of 4 85 x 30mm	008550

## PIC & PLATE MAXI



The solid sub-frequency absorber for linking devices and speakers to one place and reducing vibration. They are adjustable with adhesive pads as well as protective discs for sensitive surfaces.

- Withstands up to 40 kg/Set of 4 -> 10 kg/pc

UNIT	ITEM-NO
Set of 4 Pic; 36x30 mm; Gold	008480
Set of 4 Pic; 36x30 mm; Black	0084807
Set of 4 Pic; 36x24 mm; Gold	008481
Set of 4 Plate; 30x5 mm; Gold	008484
Set of 4 Plate; 30x5 mm; Black	0084847

## ABSORBER DOUBLETTE & MINI ABSORBER



The Premium doublette in sandwich design consists of metal discs and special rubber for optimum vibration damping between the devices and the standing position.

- Withstands up to 20 kg / set of 4

The sub-absorber made from a special rubber compound for optimum damping of vibration between the devices and the standing position.

- Withstands up to 8 kg / set of 4

UNIT	ITEM-NO
Set of 4 Doublette: 55 x 15mm	008509
Set of 4 Absorber: Diam.: 4,0 cm	008508



- 72 POWER BAR
- 73 MAINS CABLE
- 73 POWER CABLE

## POWER SUPPLY

Power supplies are the lungs for high-end enjoyment. Power supply cables are increasingly used to carry data. High frequency signals are superimposed on the mains voltage. Normal power cables also function as aerials, picking up the radio frequencies broadcast by mobile phones or PCs. These signals then manifest themselves as interference in the hardware. This is compounded by mains voltage variations and transfer resistances, which impair the power of hi-fi equipment during dynamic peaks. Our power strips, sockets, mains and power cables deliver a clean and stable supply of power from the fusebox to your hi-fi system.



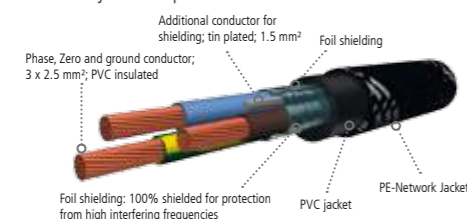
## POWER BAR AC-2502-SF8



The in-akustik mains cables and power strips filter the current and deliver "clean" currents for your HiFi system. Use of the best materials and excellent workmanship guarantee maximum dynamics, even for extreme loads. Complete screening and a special filter prevent radio frequencies from being received which would turn the cable into an aerial. Solid line bars in the power strips distribute the power homogeneously to all outlets. Furthermore, the sockets are divided into two groups with the AC-2502-SF8 power strip. Groupe 1: The two grey sockets are directly and permanently connected to the mains supply. This means that power amplifiers, active subwoofers or other power-hungry devices that should not be disconnected from the mains, can remain connected. Groupe 2: The six black sockets can be separated from the mains supply using a switch. The additional mains filter makes this group especially suitable for source devices such as CD players, preamplifiers, phono pre-amps and other precision electronics.

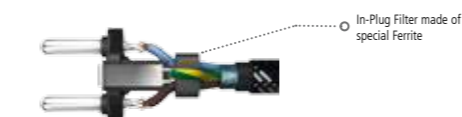
### 3 X 2,5 MM<sup>2</sup> CABLE | FOIL SHIELDED

So that no new interference occurs because of the antenna effect of the cables, the power cable and the power bar are fully screened and shielded. Thus, a cleaned current is supplied to the appliances. The electronics can once more deliver the highest precision entirely unhampered.



### IN-PLUG FILTER

A ferrite filter is integrated in the plug of the power bar. This In-Plug Filter blocks interference from the network directly at the socket. The filter is manufactured from a special high-density ferrite that works extremely effectively in the smallest of spaces. A further advantage is that the live wires of the power cords are led directly through this ferrite. Power losses through additional nips or solder points are eliminated.



LENGTH		ITEM-NO
1,5m	8 (6+2) x Schuko 16A; 3 x 2,5 mm <sup>2</sup>	00716402
3,0m	8 (6+2) x Schuko 16A; 3 x 2,5 mm <sup>2</sup>	00716403

## POWER BAR AC-2502-P8 & AC-1502-P6



The Referenz power bars filter unwanted interference out of the power supply, without introducing additional source impedance. Thanks to the use of high-quality materials and excellent workmanship, they provide maximum dynamics, even for extreme loads. Their full shielding and special filters prevent radio frequencies from being received. Solid power bars in the power strips distribute the power homogeneously to all outlets.

- Fully shielded metal housing
- Foil shielding and additional shielding wire
- In-Plug Filter in the AC plug; 2Y-Filter in the power bar
- Power bar (8 mm<sup>2</sup>) for even power distribution
- Phase marking
- VDE- und CE conform
- 3 x 2,5 mm<sup>2</sup> (P8); 3 x 1,5 mm<sup>2</sup> (P6)
- 8 sockets (P8); 6 sockets (P6)
- Safety protection
- PE-Network Jacket
- Includes phase tester

LENGTH		ITEM-NO
1,5m	8 x Schuko 16A; 3 x 2,5 mm <sup>2</sup>	00716302
3,0m	8 x Schuko 16A; 3 x 2,5 mm <sup>2</sup>	00716303
1,5m	6 x Schuko 16A; 3 x 1,5 mm <sup>2</sup>	00716202
3,0m	6 x Schuko 16A; 3 x 1,5 mm <sup>2</sup>	00716203

## MAINS CABLE AC-1502 | AC-1502F | AC-2502F



The Referenz mains cable ensures a stable and clean supply of power. The shielding provides reliable protection from interference and the innovative in-plug filter provides additional decoupling for the equipment.

- Additional shielding wire (CU tin-plated; 1 x 1,5 mm<sup>2</sup>)
- Phase markings
- Foil shielding
- Ferrite filter in the plug (in-plug filter)
- PE-Network Jacket
- Conforms to VDE and CE

LENGTH		ITEM-NO
1,0m	Schuko > rubber connector; 3 x 1,5 mm <sup>2</sup>	00716101
1,5m	Schuko > rubber connector; 3 x 1,5 mm <sup>2</sup>	00716102
3,0m	Schuko > rubber connector; 3 x 1,5 mm <sup>2</sup>	00716103
ON SPOOL		
50m	AC-2502F; on spool 13,0 mm; 3 x 2,5 mm <sup>2</sup> ; (Price/m)	00762552
Ring	AC-2502F; 10m ring 13,0 mm; 3 x 2,5 mm <sup>2</sup>	00762512
Ring	AC-2502F; 20m ring 13,0 mm; 3 x 2,5 mm <sup>2</sup>	00762522
Ring	AC-1502F; 10m ring 11,0 mm; 3 x 1,5 mm <sup>2</sup>	00761512
Ring	AC-1502F; 20m ring 11,0 mm; 3 x 1,5 mm <sup>2</sup>	00761522

## POWER BAR AC-25.6



A stable power supply forms the basis of good quality pictures and sound. Unfortunately, a great deal of quality is often lost due to high contact resistance when using cheap power bars. This is characterised by limited dynamics and slurred bass even at low and medium volumes. The Excellence AC 25.6 power bar consists of high quality, perfectly matched materials such as the solid power plug and the 3 x 2.5 mm<sup>2</sup> strong power cord. In connection with the solid 4 mm<sup>2</sup> copper power bars in the strip, the setup ensures low contact resistance and enables the system to reach maximum performance. The strip is complemented by its solid aluminium housing which also has a shielding effect. Power bar in accordance with DIN VDE 0620-2-1.

- 3 x 2,5 mm<sup>2</sup> cable | 1,65m
- Aluminium housing
- 4mm<sup>2</sup> copper busbar
- 16A nominal current
- 3680 Watts max.
- Childproof
- 230 V AC nominal voltage

LENGTH		ITEM-NO
1,65m	6 x Schuko 16A; 3 x 2,5 mm <sup>2</sup>	006170615

## POWER CABLE



The power cable for fixed installations with dense, woven screening provides protection from radio frequencies right from the fusebox. A direct connection from the fusebox to the power outlet, without diversions or additional loads improves the dynamics.

- 3 x 2,5 mm<sup>2</sup> | VDE and CE conform
- Braided shielding
- Extra conductor for shielding
- Solid core
- For fixed installation only

LENGTH		ITEM-NO
50m	3 x 2,5 mm <sup>2</sup> ; 14 mm	007622502



- PHONE PLUG CABLE 76
- HEADPHONE EXTENSION CABLE 76
- PHONE PLUG ADAPTER 76

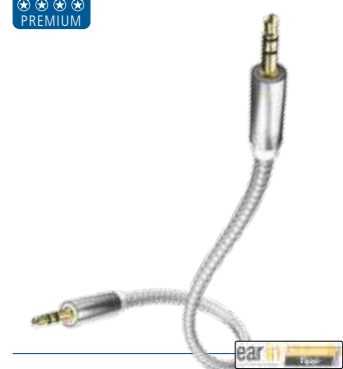
- IPLUG CABLE 78
- USB CHARGING ADAPTER 78
- HEADPHONE AMP 78

## MOBILE CONNECTIONS

The connection of portable devices such as MP3 players, smartphones, iPod, iPad, iPhone, or tablet PCs with the hi-fi system, high-quality headphones or other AV components becomes increasingly important. As with classic hifi applications, it also depends on the right connection. To transfer the sensitive signals with minimal losses, material selection, design and cable shielding are as important as for audio or digital cables.

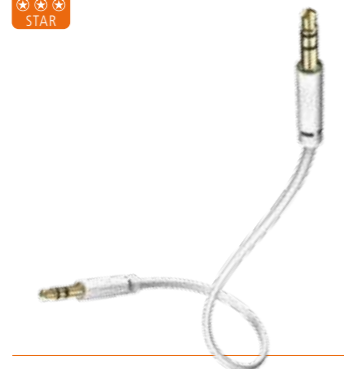
PHONE PLUG CABLE

3,5MM PHONE PLUG CABLE



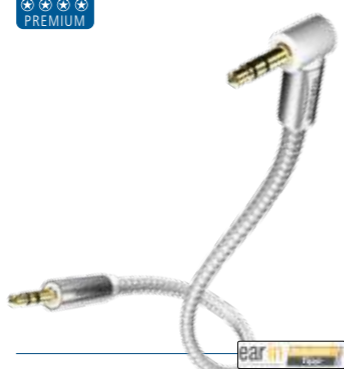
LENGTH	ITEM-NO
0,5m	004101005
0,75m	0041010075
1,5m	004101015
3,0m	00410103

3,5MM PHONE PLUG CABLE



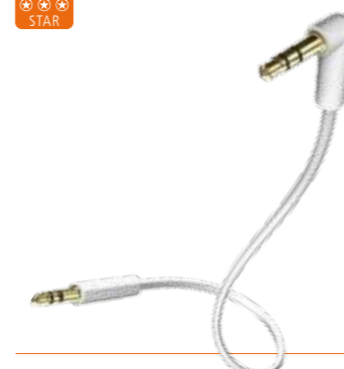
LENGTH	ITEM-NO
0,5m	003101005
0,75m	0031010075
1,5m	003101015
3,0m	00310103

3,5MM PHONE PLUG CABLE WITH 90° ANGLED PLUG



LENGTH	ITEM-NO
0,5m	004104005
0,75m	0041040075
1,5m	004104015
3,0m	00410403

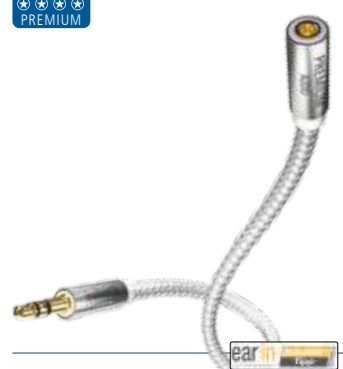
3,5MM PHONE PLUG CABLE WITH 90° ANGLED PLUG



LENGTH	ITEM-NO
0,5m	003104005
0,75m	0031040075
1,5m	003104015
3,0m	00310403

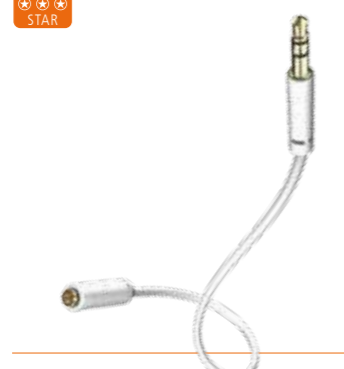
HEADPHONE EXTENSION CABLE

HEADPHONE EXTENSION CABLE (INCL. 6,3MM ADAPTER)



LENGTH	ITEM-NO
1,5m	
2,0m	00410202
3,0m	00410203
5,0m	00410205
7,0m	
7,5m	004102075
10,0m	00410210

HEADPHONE EXTENSION CABLE



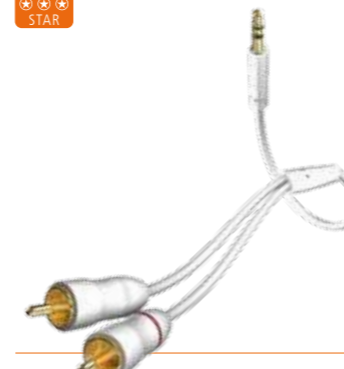
LENGTH	ITEM-NO
1,5m	003105015
3,0m	00310503
5,0m	00310505
7,0m	
7,5m	
10,0m	

3,5MM PHONE PLUG ADAPTER



LENGTH	ITEM-NO
0,5m	
0,75m	
1,5m	004100015
2,0m	
3,0m	00410003
5,0m	00410005
7,0m	
7,5m	
10,0m	

3,5MM PHONE PLUG ADAPTER



LENGTH	ITEM-NO
0,5m	003100005
0,75m	0031000075
1,5m	003100015
2,0m	
3,0m	00310003
5,0m	00310005
7,0m	00310007
7,5m	
10,0m	00310010

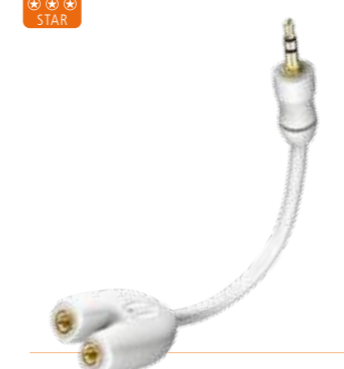
PHONE PLUG ADAPTER

3,5MM PHONE PLUG ADAPTER



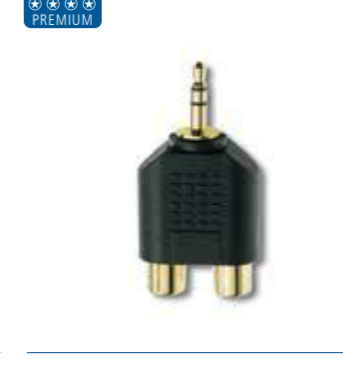
LENGTH	ITEM-NO
0,10m	
0,20m	00410212

3,5MM PHONE PLUG ADAPTER



LENGTH	ITEM-NO
0,10m	00310302
0,20m	

3,5MM PHONE PLUG -> RCA ADAPTER



UNIT	ITEM-NO
1 pc	0081381



iPLUG LIGHTNING CABLE | CHARGING & DATA SYNC

PREMIUM



ABSCHIRMUNG SHIELDING VERGOLDET GOLD-PLATED OFC COPPER HOCHREIN HIGH PURITY RoHS Compliant

Made for iPod iPhone iPad

iPlug cable for data exchange between Apple devices and PCs, laptops, etc., and charging cable for Apple mobile components. Due to large conductor cross sections, also especially suitable for the high charging currents of the iPad. The double shielding (foil and mesh braiding) protects against outside interference and ensures unhindered signal transport.



LENGTH	ITEM-NO
1,0m Apple Lightning > USB-A	00440201
2,0m Apple Lightning > USB-A	00440202
3,0m Apple Lightning > USB-A	00440203

iPLUG CABLE | AV & USB

PREMIUM



FOLIENSCHIRM FOIL SHIELDING VERGOLDET GOLD-PLATED OFC COPPER HOCHREIN HIGH PURITY RoHS Compliant

Made for iPod iPhone iPad

iPlug cable for data exchange between Apple devices and PCs, laptops, TVs or hi-fi systems, and charging cable for Apple mobile components. Due to large conductor cross sections, also especially suitable for the high charging currents of the iPad. Foil shielding protects against outside interference and provides for unhindered signal transport.



LENGTH	ITEM-NO
1,0m Apple <> USB   RCA Audio & Video	00440101
2,0m Apple <> USB   RCA Audio & Video	00440102
2,0m Apple <> USB	00440002

USB CHARGER

USB AC CHARGER

PREMIUM



RoHS Compliant Qualcomm Quick Charge 2.0

- Charging time reduced by up to 60%
- Automatic device recognition
- Automatic adjustment of the output voltage
- Precise current limitation
- Overload protection
- Overtemperature protection
- Input: 100 – 240 V AC | 50 – 10 Hz | 0.3 A max.
- Output: 5 V – 1.5 A | 9 V – 1.5 A | 12 V – 1.1 A

UNIT	ITEM-NO
1 pc	00415011

USB CAR CHARGER

PREMIUM



RoHS Compliant

- Charging time reduced by up to 60%
- Automatic device recognition
- Automatic adjustment of the output voltage
- Precise current limitation
- Overload protection
- Overtemperature protection
- Input voltage 12 V DC (cigarette lighter)
- Output 5 V – 1.5 A | 9 V – 1.5 A | 12 V – 1.2 A

UNIT	ITEM-NO
1 pc	00415010

HEADPHONE AMP

HEADPHONE AMP NO.2

PREMIUM



(STEREO) INTEGRATED DAC RoHS Compliant

- Also suitable for high-impedance headphones
- Power supply via USB
- Compatible with Windows XP, Vista, Windows 7/8
- Output rating: maximum 2 x 300 mW
- Impedance: 8–300 ohms
- Signal-to-noise ratio: 96 dB
- Crosstalk attenuation: 60 dB
- Amplification: 10 dB
- Distortion factor: < 0.008% (10 mW)
- Frequency range: 22 Hz – 65 kHz

UNIT	ITEM-NO
1 pc	00415006

HEADPHONE AMP NO.1

PREMIUM



(STEREO) BATTERY OPERATED INTEGRATED DAC  
 RoHS Compliant  
 inakustik Headphone Amp No. 1  
 ear in Overclass 1,4  
 gut

- Two headphones jacks
- Integrated USB Digital Analog Converter
- Latest chip technologies
- Black brushed alu optic housing
- Can operate for up to 60 hours
- Also suitable for high-impedance headphones
- Large dynamic scope
- Compatible with Windows XP, Vista, 7/8
- Output rating: maximum 2 x 320 mW
- Impedance: 16–300 ohms
- Input impedance: 5 kohms
- Signal-to-noise ratio: 96 dB
- Crosstalk attenuation: 60 dB
- Amplification: 10 dB
- Distortion factor: < 0.008 % (10 mW)
- Frequency range: 22 Hz – 65 kHz
- Battery: 3.7 V / 950 mAh (lithium-ion)
- Dimensions: approx. 90 x 13 x 57 mm



UNIT	ITEM-NO
1 pc	Headphone Amp. No. 1   DAC

ITEM-NO
00415005





WIFI | BLUETOOTH

82

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USB CABLE

DLNA HDMI STICK

83

86

CAT CABLE

MHL ADAPTER

83

87

FIREWIRE CABLE

## MULTIMEDIA

A computer is a multimedia centre and has long been a link between a AV receiver, TV or home cinema system and in the meantime also has HDMI, USB, or CAT connections. We supply the cable for all current connections. Of course, at the highest level.





## WiFi AUDIO STREAMING RECEIVER



A computer is a multimedia centre and has long been a link between a AV receiver, TV or home cinema system and in the meantime also has HDMI, USB, or CAT connections. We supply the cable for all current connections. Of course, at the highest level.

### Compatible systems:

- Android 4.0 or higher
- Apple iOS7 or higher
- Mac OS10.7 or higher
- Windows XP or higher
- Windows Phone

### Standards/audio formats supported:

- DLNA (WAV, MP3)
- Airplay (MP3, AAC, WMA, WAV, PCM, m4a/ALAC/FLAC)
- USB (MP3, AAC, WMA, WAV, PCM, m4a/ALAC/FLAC)
- Internet radio

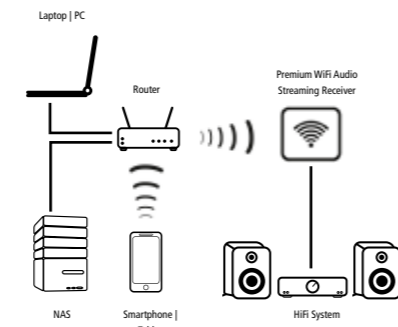
### Recommended app:

- EZcast



### Technical data:

- High-Res Audio: 24 Bit/96 kHz
- Stereo output via 3.5 mm jack
- Optical digital output
- USB-A connection for external memory
- Frequency range: 20 – 20,000 Hz -0.5 dB
- Dynamic range: >92 dB
- Power supply: via micro USB
- Weight (approx. 60 g)
- Dimensions: approx. 78 x 78 x 18 mm



UNIT	ITEM-NO
1 pc WiFi Audio Receiver incl power supply	00415007

## BLUETOOTH

### AUDIO BLUETOOTH® RECEIVER



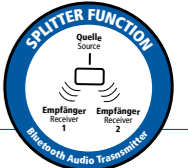
Enjoy your favourite music from your smart phone, tablet PC or laptop – as well as from your iPhone or iPad – conveniently and wirelessly on your high-end hi-fi system. Thanks to the special aptX technology, you can also enjoy first-class CD quality. The Premium Bluetooth Receiver supports all common standards such as A2DP and SBC and is compatible with almost all Bluetooth-capable devices regardless of brand. The Premium Bluetooth Receiver stores up to eight devices. Once these devices are paired with the receiver, they are automatically recognized again, allowing the connection to be more quickly reestablished. In addition to the usual analogue output (3.5 mm jack), the receiver also has an optical digital output that enables it to be connected to a new generation of amplifiers.



- Bluetooth® 3.0+EDR
- Audiocodex aptX®
- Supports A2DP
- Supports SBC Codex
- Range up to 10m
- Frequency range: 10 Hz – 22.000 Hz
- Dynamic range: >92 dB
- LED display
- Dimensions: 75,9 x 69,8 x 20,3 mm
- Weight: 56 g

UNIT	ITEM-NO
1 pc Bluetooth Audio Receiver	00415003

### BLUETOOTH® AUDIO TRANSMITTER & SPLITTER



The Premium Bluetooth Audio Transmitter allows you to conveniently connect Bluetooth headphones or Bluetooth loudspeakers with audio sources such as the television, Hi-Fi system or PC that are not Bluetooth-capable. In combination with the Premium Bluetooth Audio Receiver, a wireless audio connection can be set up between the TV and the Hi-Fi system, for example. The Premium Bluetooth Transmitter can be connected to two Bluetooth receivers simultaneously (splitter function). This is a simple way to set up multi-room solutions. To power it, plug the USB connector into a free USB port on the devices or a USB power supply unit (not included).



- Stereo Bluetooth Audio Transmitter
- Supports aptX Audio Codec
- Supports aptX LL (Low Latency)
- Supports SBC
- Supports A2DP
- Up to 10 m range
- Power supply over USB
- Frequency range: 20 – 20,000 Hz
- Dynamic range: 95 dB
- Channel separation: 85 dB
- Distortion factor: 0.05 %
- Input: Analog High Level 2V rms (max.)
- Weight: 28 g
- Dimensions: 59.2 x 30 x 13.5 mm (L x W x H)

UNIT	ITEM-NO
1 pc Bluetooth Audio Transmitter	00415009

## DLNA

### DLNA STICK



- Operation in Access Point or Client Mode
- Compatible with Windows 7 Media Player 11 or higher
- Compatible with Samsung "Allshare"
- Compatible with HTC "Media Link"
- Compatible with Apple "iMediaShare"
- Compatible with Android "XY APP"
- Easy installation via web browser
- Dimensions: ca. 62,5 x 22 x 9,5mm

UNIT	ITEM-NO
1 pc DLNA Audio-Receiver	00415100

## MHL

### MHL-ADAPTER



MHL (Mobile High Definition Link) is a standard defined by Nokia, Toshiba and Silicon Image for connecting smartphones and tablet PCs to the TV. The MHL adapter is connected to the USB port of the mobile devices, and transmits video and audio signals in HD quality. In addition, the CEC function is supported.

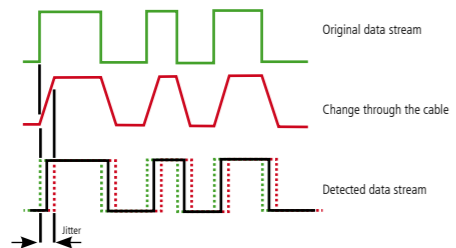
UNIT	ITEM-NO
1 pc Micro USB m; Micro USB (f) <> HDMI	0044101



### HIGH SPEED USB 2.0 CABLE



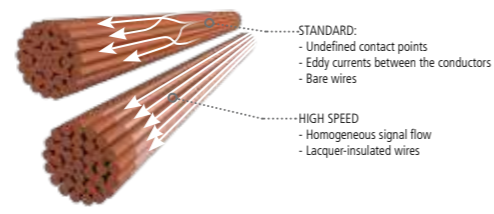
The Referenz USB 2.0 cable has been designed especially for low-loss HD audio streaming. The data lines consist of fine, separately lacquer-insulated copper wires (high speed conductors). In combination with the high-quality materials, they reduce the jitter effects that particularly affect the sound quality when streaming audio data. Sensitive data is additionally protected by 4-fold shielding. Extremely generously proportioned cables for the power supply of e.g. external hard drives minimize voltage fluctuations. Even with particularly long cables, they ensure that the peripheral devices function perfectly and therefore data is transferred with low error rates. The product is rounded off by the high-quality Referenz USB plug and the precise manufacturing.



#### JITTER

During digital data transmission ones and zeros are transmitted by voltage impulses. The choice of one or zero is made by the length of the impulse. The Jitter effect changes the impulse length due to the cable properties. The receiver then has difficulties in recognising the data.

LENGTH	ITEM-NO
0,75m USB A <> B	007170075
1,5m USB A <> B	007170015
3,0m USB A <> B	00717003
5,0m USB A <> B	00717005
7,5m USB A <> B	00717075
10,0m USB A <> B	00717010



#### HIGH SPEED CONDUCTOR

The Referenz USB cable has finely braided signal wires, with each individual wire having a lacquer coating. This lacquer coating insulates the wires from each other, preventing eddy current within the braid and increasing the effective conductor surface. This means digital signals can be quickly and precisely transmitted.

LENGTH	ITEM-NO
0,75m USB A <> Mini B	0071710075
1,5m USB A <> Mini B	007171015
3,0m USB A <> Mini B	00717103
5,0m USB A <> Mini B	00717105
7,5m USB A <> Mini B	00717175
10,0m USB A <> Mini B	00717110

### USB CABLE

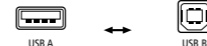
#### HIGH SPEED USB B



The Excellence USB cable is specially designed for streaming HD audio and video formats. The three-fold shielded twisted pair data cable protects the sensitive data content against external interferences. The silver-plated signal conductor and the perfectly adjusted impedance ensure fast and smooth data transmission. Thick conductors enable a stable supply for stationary and fast charging mobile devices. The metal connectors with gold-plated contacts provide optimum contact and minimal contact resistance.

- ABSCHIRMUNG SHIELDING (SF-FTP)
- VERSILBERT SILVER PLATED
- 26AWG LEITER | CONDUCTOR
- OFC COPPER HOCHREIN | HIGH PURITY
- VERLUSTARME PE-ISOLATION | LOW-LOSS PE INSULATION
- VERGOLDET GOLD-PLATED
- LOW JITTER
- METALLSTECKER METAL PLUG
- HIGH SPEED USB 2.0
- HD AUDIO STREAMING
- TEXTILE JACKET
- RoHS Compliant

- 3-fold shielding (SF-FTP)
- Silver-plated conductors
- 26AWG conductor
- Conductors made of high-purity OFC copper
- Low-loss PE insulation
- 24c gold-plated contacts
- 480 Mbit/s



LENGTH	ITEM-NO
0,5m USB A <> USB B	006700005
1,0m USB A <> USB B	00670001
1,5m USB A <> USB B	006700015
3,0m USB A <> USB B	00670003

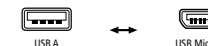
#### HIGH SPEED USB MICRO-B



The Excellence USB cable is specially designed for streaming HD audio and video formats. The three-fold shielded twisted pair data cable protects the sensitive data content against external interferences. The silver-plated signal conductor and the perfectly adjusted impedance ensure fast and smooth data transmission. Thick conductors enable a stable supply for stationary and fast charging mobile devices. The metal connectors with gold-plated contacts provide optimum contact and minimal contact resistance.

- ABSCHIRMUNG SHIELDING (SF-FTP)
- VERSILBERT SILVER PLATED
- 26AWG LEITER | CONDUCTOR
- OFC COPPER HOCHREIN | HIGH PURITY
- VERLUSTARME PE-ISOLATION | LOW-LOSS PE INSULATION
- VERGOLDET GOLD-PLATED
- LOW JITTER
- METALLSTECKER METAL PLUG
- HIGH SPEED USB 2.0
- HD AUDIO STREAMING
- TEXTILE JACKET
- RoHS Compliant

- Data sync. and charging
- 3-fold shielding (SF-FTP)
- Silver-plated conductors
- 26AWG conductor
- Conductors made of high-purity OFC copper
- Low-loss PE insulation
- 24c gold-plated contacts
- 480 Mbit/s

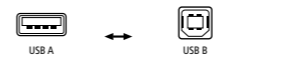


LENGTH	ITEM-NO
0,5m USB A <> USB Micro B	006701005
1,0m USB A <> USB Micro B	00670101
1,5m USB A <> USB Micro B	006701015
3,0m USB A <> USB Micro B	00670103

#### HIGH SPEED USB B



- ABSCHIRMUNG SHIELDING
- HIGHLY FLEXIBLE
- USB
- RoHS Compliant

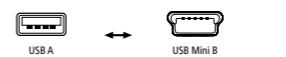


LENGTH	ITEM-NO
1,0m	01070001
2,0m	01070002
3,0m	01070003
5,0m	01070005

#### HIGH SPEED USB MINI-B



- ABSCHIRMUNG SHIELDING
- HIGHLY FLEXIBLE
- USB
- RoHS Compliant

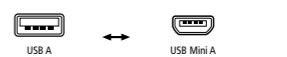


LENGTH	ITEM-NO
1,0m	01070011
2,0m	01070012
3,0m	01070013
5,0m	01070015

#### HIGH SPEED USB MINI-A



- ABSCHIRMUNG SHIELDING
- HIGHLY FLEXIBLE
- USB
- RoHS Compliant



LENGTH	ITEM-NO
1,0m	01070021
2,0m	01070022
3,0m	01070023
5,0m	01070025

#### HIGH SPEED USB MICRO-B | MICRO-A



- ABSCHIRMUNG SHIELDING
- HIGHLY FLEXIBLE
- USB
- RoHS Compliant



LENGTH	ITEM-NO
Micro B	
1,0m	01070041
2,0m	01070042
3,0m	01070043
5,0m	01070045
Micro A	
1,0m	01070031
2,0m	01070032
3,0m	01070033
5,0m	01070035



# CAT CABLE

## HIGH END NETWORK CABLE CAT 7



The CAT7 Referenz cable is a LAN cable for high-end network connections. Because of the high production quality, it well surpasses the specifications required by EN50288-4-2 / IEC61156-6 (600 MHz), and reaches band widths of over 1200 MHz. This makes it equipped for high-speed networks with 10 Gbps (10 Giga bits per second). It was however, through exacting maintaining the impedance of its data lines, especially conceived for low-loss HD audio and HD video streaming. The PE-Network Jacket also prevents disturbing microvibrations, while the high-grade CAT Referenz plug rounds off the product.

- Four twisted-pair data lines
- Surpasses CAT7FA specifications
- 1200 MHz band width
- Supports 10 Gbit high-speed LAN networks
- Data pairs with separate foil shielding
- Common braided shield
- Referenz metal plug

LENGTH		ITEM-NO
0,5m		
0,75m	RJ45 <-> RJ45; SF-UTP	007150075
1,0m		
1,5m	RJ45 <-> RJ45; SF-UTP	00715015
2,0m		
3,0m	RJ45 <-> RJ45; SF-UTP	0071503
5,0m	RJ45 <-> RJ45; SF-UTP	0071505
7,5m	RJ45 <-> RJ45; SF-UTP	00715075
10m	RJ45 <-> RJ45; SF-UTP	0071510
15m	RJ45 <-> RJ45; SF-UTP	0071515
20m	RJ45 <-> RJ45; SF-UTP	0071520

## NETWORK CABLE CAT 6



LENGTH		ITEM-NO
0,5m	RJ45 <-> RJ45; SF-UTP	004803005
1,0m	RJ45 <-> RJ45; SF-UTP	00480301
2,0m	RJ45 <-> RJ45; SF-UTP	00480302
3,0m	RJ45 <-> RJ45; SF-UTP	00480303
5,0m	RJ45 <-> RJ45; SF-UTP	00480305
8,0m	RJ45 <-> RJ45; SF-UTP	00480308

## NETWORK CABLE CAT 6



The Excellence CAT cable is specially designed for high speed gigabit networks and streaming from HD audio and UHD video formats. The threefold shielded twisted pair cables (SF-FTP) protect the sensitive data content against external interferences. The thick silver-plated signal conductors and the perfectly adapted impedance ensure fast and smooth data transmission. The metal plugs with gold-plated contacts ensure optimum contact and minimal contact resistance.

- 4 twisted pairs
- Low-loss PE insulation
- 1200 MHz band width
- Supports 10 Gbit high-speed LAN networks

LENGTH		ITEM-NO
0,5m	RJ45 <-> RJ45; SF-UTP	006711005
0,75m		
1,0m	RJ45 <-> RJ45; SF-UTP	00671101
1,5m		
2,0m	RJ45 <-> RJ45; SF-UTP	00671102
3,0m	RJ45 <-> RJ45; SF-UTP	00671103
5,0m	RJ45 <-> RJ45; SF-UTP	00671105
7,5m	RJ45 <-> RJ45; SF-UTP	006711075
10m	RJ45 <-> RJ45; SF-UTP	00671110
15m		
20m		

## NETWORK CABLE CAT 6



- Separating cross between the twisted pairs
- SF-UTP (separate braided and foil shielding)
- 4 twisted pairs
- Cable diameter: 6,8 mm

LENGTH		ITEM-NO
100m	CAT6; AWG24; SF-UTP; price/m	004803000
bulk	RJ-45 CAT5/6 plug; 8P8C	004890000
bulk	Crimp gripper	004890002
bulk	CAT5/6 Isoliertülle; red; yellow; blue	00489022;3;7
bulk	CAT5/6 Isoliertülle; green; black; anthracite	00489025;7;8



# FIREWIRE

## FIREWIRE CABLE



The Firewire cable (also IEEE 1394, DV or i-link cable) for data rates of up to 400 Mbit/s is ideal for connecting peripheral devices, such as cameras and hard disks etc, to the DVD recorder, TV or PC.



LENGTH		ITEM-NO
2,0m	4p <-> 4p	01071002
3,0m	4p <-> 4p	01071003
1,0m	4p <-> 6p	01071101
2,0m	4p <-> 6p	01071102
3,0m	4p <-> 6p	01071103
5,0m	4p <-> 6p	01071105
1,0m	6p <-> 6p	01071201
2,0m	6p <-> 6p	01071202

# PROFESSIONAL INSTALLATION

## HDMI / CAT6 EXTENDER SET

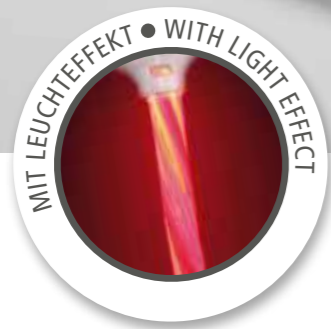


The excellent HDMI CAT Extender Set converts and transmits HDMI signals using just one CAT cable. The cable length can be up to 100 m\*. This extender can be used with existing network cables in the building. Time consuming and expensive cable extensions are not necessary. In addition, standard CAT cables and plugs can be used to make and install individual cable lengths. The set consists of two converter modules (HDMI CAT / CAT HDMI) sender /receiver and two power supply units.

- HDMI via just one CAT cable
- Supports 10,2 Gbps (High Speed)
- Cable length HDMI IN/OUT: 20m
- Cable length CAT: 100m

UNIT	ITEM NO
Set of 1 HDMI -> CAT -> CAT -> HDMI	009120012

Further HD Base-T solutions from page 100



## USB A <> USB MICRO B KABEL ILUMI RED

USB cable for quick synchronisation and charging of smartphones, tablets, powerbanks, etc. Also suitable for tablets with higher power consumption. The illumination effect is a special feature. The constant illumination of the cable signals the USB supply and a chase light indicates charging of the connected device.

- Illuminated cable  
Permanent: Device charged  
Chase light: Device being charged
- Charging function
- Data exchange / sync.
- Molded Plugs
- Length: 0,75m



ITEM-NO	LENGTH
0104230752	0,75m

## WHITELINE

### 4 IN 1 | LIGHTNING ADAPTER CHARGE & DATA | LIGHTNING & USB



USB cable for connecting devices with Lightning (Apple) or Micro USB connector to a computer or laptop etc. For quick synchronisation and charging. Also suitable for tablets with high power consumption.

- USB-A <> Micro B & Apple Lightning
- Charging function
- Data synchronisation
- Flat and stylish design

LENGTH	ITEM-NO
0,75m	010421075

### USB 3.1 SUPERSPEED + GENERATION 2



USB 3.1 cable for ultra-fast synchronisation and charging. Future-proof thanks to support for high data speeds (10 Gbit/s). Fast charging mode (FAST): Use the quick charging mode when using suitable chargers (> 3A) Standard mode: If you connect your mobile device to a PC or laptop, use the standard mode to protect your devices from excessive charging currents.

- New reversible USB Type-CTM plug
- Latest USB 3.1 standard
- Charging function up to 3 ampere (switchable)
- Data exchange / synch up to 10 Gbit/s
- Moulded plugs

LENGTH	ITEM-NO
0,75m	010423075

### HIGHLY FLEXIBLE PHONE PLUG AUDIO CABLE



Highly flexible and super soft audio cable for connecting portable devices such as smartphones, tablets, MP3 players to amplifiers, AV receivers and car radios etc. The gold plated contacts minimize contact resistance, protect against corrosion and improve the signal transmission.

- Super soft
- Highly flexible
- Gold plated contacts
- Stereo

LENGTH	ITEM-NO
1,0m	01043001

### PHONE PLUG AUDIO CABLE | 90°



Highly flexible phone plug audio cable with additional foil shield against external interference for the connection of portable devices (tablet PCs, MP3 players, etc.) to AV receivers. The gold-plated contacts also improve signal transmission and minimise contact resistance.

- Double shielding
- Gold-plated contacts
- High purity OFC-Copper
- Stereo
- Highly flexible
- 90° angled plug

LENGTH	ITEM-NO
0,75m	0104310751 White
0,75m	0104310752 Red

### USB AC POWER ADAPTER



High-quality, universal USB power adapter for mobile devices such as smartphones, tablets, cameras or power banks etc. Optimum travel companion due to its wide voltage range of 100–240 V.

- Universal use
- Intelligent overload protection
- Over-temperature protection
- Plug & Play
- Input: 100–240 V AC | 50–60 Hz | 0.2 A max.
- Output: 5 V–1.0 A
- Dimensions: 45.5 x 35.4 x 23.4 mm
- Conforms to CE
- RoHS conformity

UNIT	ITEM-NO
1 pc	010450002

### USB CAR POWER ADAPTER



High-quality, universal USB power adapter for the convenient and time-saving charging of mobile devices such as smartphones, tablets, cameras or power banks etc. during car journeys.

- Universal use
- Intelligent overload protection
- Over-temperature protection
- Plug & Play
- Input: 12–24 V DC (cigarette lighter)
- Output: 5 V–1.0 A
- Conforms to CE
- RoHS conformity

UNIT	ITEM-NO
1 pc	010450001

## HIGH SPEED HDMI CABLE



The High Speed HDMI cable from the in-akustik WHITE LINE-series supports all HD audio formats and resolutions up to 2160p (4K). 24k gold-plated connectors ensure a perfect digital transmission. It is ideal for connecting digital AV components such as DVD, HD DVD, Blu-ray player or game consoles e.g. with a plasma, LCD TV, LED TV or projector.

- Ethernet Network (bis 100 Mbit)
- Audio Return Channel
- Additional Color Spaces
- 0,08mm² data line
- Data rate: up to 18 Gbit/s (340 MHz bandwidth)
- 4K-Support (2160p)
- 3D-compatible
- Additional Color Spaces
- Content Type
- Supports HD Audio
- Lip Sync: automatic synchronisation
- CEC-, HDCP-, EDID- compatible
- Supports x.v. Color und Deep Color multibit (up to 48 Bit)
- Audio: up to 8 channels (24Bit/192kHz)

LENGTH	ITEM-NO
1,75m	010527502

## ANTENNA CABLE



This HDTV antenna cable is especially designed for the requirements of high resolution television formats (HDTV). The 4-fold 120 dB shielding protects the sensitive signal content. It is suitable for installing BK, SAT and cable TV systems as well as for connecting DVB-T/-S/-C receivers. The space-saving angle plugs round off the product.

- 4 fold shielding
- DVB-T/C/S compatible
- 120 dB shielding
- HDTV compatible
- 24c gold plated contacts
- 3 GHz Bandwidth
- Ferrite cores against interference
- 75 Ohm Impedance

LENGTH	ITEM-NO
1,5m	01044015

## OPTICAL CABLE



The optical cable from the in-akustik White-Line Series is equipped with Toslink connectors for connecting digital audio sources such as CD, DVD, Blu-ray players or game consoles to AV receivers, etc. A high quality nylon fiber ensures unobstructed signal transport. A triple shielding reduces external interference to a minimum.

- High Quality TOSLINK Plugs
- Nylon Optical Fiber
- Threefold protected
- Metal Plug
- With protection cap

LENGTH	ITEM-NO
1,75m	01041318



## MAKING HISTORY



"A German music label is making technological history: in-akustik has produced the first German Ultra HD Blu-ray, for a Michael Schenker concert in Madrid." video-magazin.de | 05-2016

"Apparently it's gonna be shot in 4K, whatever the fuck that is," shouted Doogie White as he greeted the audience. The vocalist of Michael Schenker's Temple of Rock knew that the evening of 15 November 2015 would be a special one at Club Joy Eslava in Madrid. But what he seemingly did not know was that the band of ex-Scorpion guitarist Michael Schenker would also go on to write technological history with their show in the Spanish capital. "On A Mission – Live in Madrid" is no less than Germany's first Ultra HD Blu-ray production.



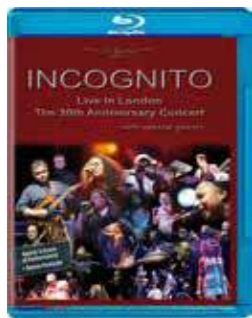
### BRIEFING IN MADRID

A&R manager Bernhard Rössle (left) had the workflows in Madrid under full control at all times and he explained to bassist and former Scorpions guitarist Francis Buchholz what he expected from the concert in Madrid.

### DOLBY ATMOS MIX IN THE STUDIO

Making Michael Schenker's guitar sound even better than it does live was the aim of the Atmos sound mix that was recently created in the msn studios in Munich.

## BLU-RAY | INCOGNITO



Incognito – far more than just a band. It was a fantastic night: with their blend of soul and jazz, funk and fusion almost 30 musicians, with several surprise guest appearances, electrified the audience. Thanks to the contagious energy and the virtuoso solo numbers, each song became something special. And as if this band hadn't given us enough variety already, the strings of the Millenia Ensemble provided a delightful additional interplay of sound. Incognito didn't just celebrate 30 years of first-rate music and continued success with this performance – they also gave their fans an unforgettable gift.

FORMAT	ITEM-NO	ARTIST   ALBUM
Blu-ray	0167184	Incognito : Live In London - The 30th Anniversary Concert

## BLU-RAY | AL DI MEOLA



A high point of the Moroccan music festival is without doubt the Mawazine Festival in Rabat, Morocco. Al Di Meola's fantastic appearance in 2009 also represented a summit of different cultures and religions – Al Di Meola (guitar), Peo Alfonsi (2nd guitar), Fausto Beccalossi (accordion), Gumbi Ortiz (percussion), Victor Miranda (bass), Peter Kaszas (drums), and with special guests from Morocco, Said Chraïbi (oud), Abdellah Meri (violin) and Tarik Ben Ali (percussion).

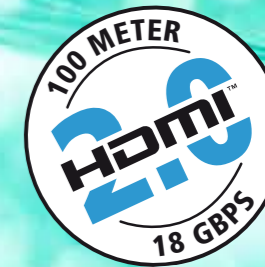
FORMAT	ITEM-NO	ARTIST   ALBUM
Blu-ray	0167004	Al Di Meola: Morocco Fantasia

## BLU-RAY | EMERSON LAKE & PALMER



Reuniting the legendary Rock Band to celebrate their 40th Anniversary Reunion Show staged at London's first High Voltage Rock Festival, this was the historic moment when Emerson Lake and Palmer performed for the first time since 1998. This spectacular performance with extravagant special effects and lighting recaptures the magic and musical genius of Keith Emerson, Greg Lake and Carl Palmer as they perform their greatest hits in front of thousands of fans and leaves us with a lasting memory of stunning musicianship of these three legendary performers.

FORMAT	ITEM-NO	ARTIST   ALBUM
Blu-ray	0167186	Emerson Lake & Palmer: 40th Anniversary Reunion Concert - High Voltage Festival



HDMI OPTICAL FIBRE   -PLUG   -TESTER	94	105	HD BASE-T TRANSMITTER
ANTENNA	95	106	HD BASE-T RECEIVER
AV TERMINALS	96	107	HD BASE-T EXTENDER
AV PANELS	97	107	HD BASE-T SPLITTER   MATRIX
HDMI SPLITTER   SWITCH   MATRIX	102	109	ACCESSORIES
HDMI EXTENDER	104		

## INSTALLATION

The range of multimedia products from in-akustik offers you a wide spectrum for fixed multimedia installations in your home. The range consists of various panel jacks and covers for easily integrating video and audio connections in known switch systems.

### PROFESSIONAL HDMI 2.0 OPTICAL FIBRE CABLE & HD BASE-T TECHNOLOGY

If you would like to connect several devices to an HDMI screen, for example a Blu-ray player, HD camera and a games console or in the reverse direction, if you would like to distribute pictures and sound from an HDMI source to different displays such as an LED screen and a projector, then you will certainly find the right solution in our HDMI product range: Multiply proven HDMI splitters and switch boxes distribute the signal. Our new HDMI optical fibre cable and our HD-BaseT solutions now offer yet more options: even for the transmission of HDMI signals without loss over cable distances of up to 100 metres.



## PROFESSIONAL HDMI 2.0 OPTICAL FIBRE CABLE



HDMI cable with professional fibre optic technology. This technology facilitates data rates of up to 18 Gbps on a transmission path of up to 100 m. It therefore supports high-resolution 4K formats with 50 or 60 Hz and is the solution for connecting devices with an HDMI 2.0 interface over great distances.

### HDMI 2.0

The HDMI Forum, to which 88 companies from the multimedia branch belong, announced the specifications for the new HDMI standard – Version 2.0 – on 4 September 2013. The most important new feature of HDMI 2.0 is the support of 4K content with a frame refresh rate that is twice as high as the previous one.



- Fibre optic technology
- 4K@50/60 Hz up to 100 m
- Supports HDMI 2.0 with 18 Gbps
- Supports HDCP 2.2
- Supports EDID
- Supports HDR
- Solid metal plug
- Plug&Play
- Power supply via the HDMI interface
- No separate power supply unit required
- Running direction marked
- Cable diameter of just 4 mm
- Easy to lay
- CE, REACH, RoHS conformant

LENGTH		ITEM-NO
20m	Profi HDMI 2.0 optical fibre cable 18Gbps   Polybag	009241020
30m	Profi HDMI 2.0 optical fibre cable 18Gbps   Polybag	009241030
50m	Profi HDMI 2.0 optical fibre cable 18Gbps   on spool	009241050
70m	Profi HDMI 2.0 optical fibre cable 18Gbps   on spool	009241070
100m	Profi HDMI 2.0 optical fibre cable 18Gbps   on spool	009241100

## HDMI PLUG & TESTER

### PROFESSIONAL HIGH SPEED HDMI PLUG & INSTALLATION KIT



The solid metal HDMI plug for professional HDMI connections. It allows exact, individual cable lengths to be fitted, for instance, in the wall in tubes or in narrow cable shafts. Firstly, the HDMI cable is fitted in the required length, then an HDMI in-akustik plug is assembled at both ends, by means of the IDC method of termination. The assembly kit contains all the required parts, as well as detailed assembly instructions.

#### INSTALLATION KIT

- 10 x Profi HDMI® Plug IDC
- 1 x Profi HDMI® crimping tool
- 1 x HDMI® Tester
- 1 x assembly instruction

#### PLUG

- Simple, solderless IDC method of termination
- Suitable for AWG26 and AWG24 cables
- Metal housing
- Strain-relief
- 24c gold-plated contacts



UNIT		ITEM-NO
bulk	Profi HDMI® Plug IDC	00924001
Set	Profi HDMI Installation Kit	00924901

### HDMI CABLE TESTER



The Exzellenz HDMI Cable Tester (HDMI = High Definition Multimedia Interface) is designed to check the pin connections of HDMI cables, and to correct any errors. It is ideal for checking the passage of the individual wires of an HDMI cable before it is connected to the equipment.

- Separate main and remote unit
- Review of the signals of all pins of HDMI cable
- Auto power on, ease of use
- LED indicator on both the main unit and on the remote
- Incl. carrying case

UNIT		ITEM-NO
1 pc	Separate main and remote unit	009920001

## ANTENNA

### HDTV ANTENNA CABLE A++ | DIN EN 50117-2-4



- Recommended by Deutsche Telekom
- Suitable for return channel (Internet)
- Expanded PE dielectric
- Inner conductor: 1.0 mm bare copper
- Exterior diameter: 6.8 mm +/-0.2 mm
- Low signal attenuation
- Excellent electrical values

- High ageing resistance
- Bonded film --> suitable for compression connectors etc.
- Small bending radius (50 mm)
- Capacitance: (pF/m) 55
- Velocity factor (v/c): 0.85
- Weight: 52 kg/km

LENGTH		ITEM-NO
250m		006260036

### PROFESSIONAL ANTENNA PLUG & COAX TOOL



Professional high end F-Plug. Easy mounting without screws or crimping. The connector is simply plugged onto the prepared cable and locks itself automatically.

- Professional F-Plug
- Very short and space-saving design
- Easy mounting without screws or crimping
- Suitable for cable #006260036 or other 4.9 / 6.8mm coaxial cable with bonded foil
- Coax tool: suitable for cable #006260036 and plug #00652123
- Coax tool: with wrench to tighten the plug on the devices.

UNIT		ITEM-NO
bulk	F-plug 4.9/6.8 mm	00652123
bulk	Coax Tool	00652124



HDMI DOUBLE COUPLING



- 24c gold-plated contacts
- HDMI (f) <-> HDMI (f)
- With assembly straps
- Angled at 90° or straight

UNIT	ITEM-NO
bulk HDMI (w) <-> HDMI (w)	0090201001
bulk HDMI (w) <-> HDMI (w) 90°	0090201000

HDMI DOUBLE COUPLING WITH CABLE (ROUND)



- 24c gold-plated contacts
- HDMI (f) <-> HDMI (f)
- With 25 cm cable
- For round assembly openings (Ø 23 mm)

UNIT	ITEM-NO
bulk HDMI (f) <-> HDMI (f) round	0090203025
bulk HDMI (f) <-> HDMI (f)	0090202025

VGA (SUB-D) PANEL JACK



- 24c gold-plated contacts
- 15-pin
- 3 rows
- Soldered connection

UNIT	ITEM-NO
bulk VGA SUB-D 15p. (f) solderable	0090601000

VGA (SUB-D) DOUBLE COUPLING WITH CABLE



- 24c gold-plated contacts
- 15-pin
- 3 rows
- With 25 cm cable

UNIT	ITEM-NO
bulk VGA (f) <-> (f); 25 cm	0090602025

SPEAKER TERMINAL



- 24c gold-plated contacts
- Fully-insulated
- Banana and spade lugs compatible
- For cables up to 6.0 mm²

UNIT	ITEM-NO
bulk red	0091001002
bulk black	0091001007

RCA PANEL JACK



- 24c gold-plated contacts
- Soldered connection
- Grommets
- For 8 / 9.5 mm drill holes

UNIT	ITEM-NO
bulk green	0090801005
bulk yellow	0090801003
bulk red	0090801002
bulk black	0090801007
bulk blue	0090801004

RCA DOUBLE COUPLING



High-quality RCA mounting double coupling with screw thread for installing in front panels, etc. Solid design with gold-plated contacts. Allows the use of prefabricated RCA cable inside the installation. Colour coding available in five different colours.

UNIT	ITEM-NO
bulk blues	0090802004
bulk green	0090802005
bulk red	0090802002
bulk yellow	0090802003
bulk black	0090802007

AV PANEL HDMI



Premium AV cover with HDMI double coupling (round) for quick and easy installation with a HDMI cable. Stainless steel optic.

UNIT	ITEM-NO
bulk 25 cm round; 70x35	00980027256
bulk 25 cm round; 56x28	00980025256

AV PANEL VGA



Premium AV cover with VGA double coupling for quick and easy installation with a VGA connection cable. Stainless steel optic.

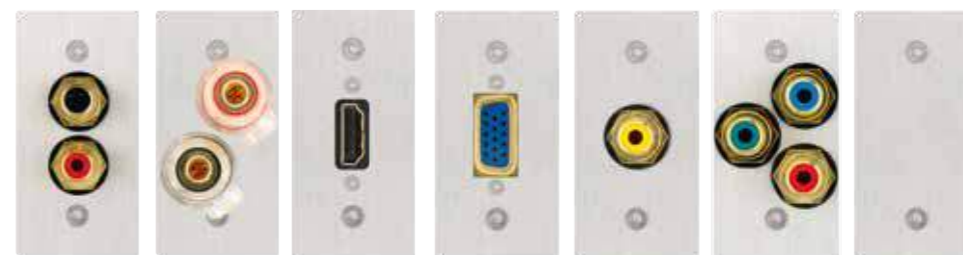
UNIT	ITEM-NO
bulk 25 cm round; 56x28	00980125256
bulk 25 cm round; 70x35	00980127256



AV PANEL TERMINALS



With the Premium installation terminals, audio and video connections can be easily integrated into known switch systems and into the AmbienTrack cabling run system. Inside a terminal area, two half AV covers can be installed so that various connections and interfaces can be combined. Suitable for standard switch systems with cutout dimensions 56 x 56 mm and 71 x 71 mm. The installation or connection terminals can be replaced or extended at any time. Then you will be ideally-equipped for future needs. Stainless-steel optic.



UNIT	ITEM-NO
bulk HDMI <-> HDMI; 70x35	00980037016
bulk HDMI <-> HDMI; 56x28	00980035016
bulk VGA (f); 70x35	00980127016
bulk VGA (f); 56x28	00980125016
bulk Banana / spade lug; 56x28	00980105026
bulk Banana / Spade lug; 70x35	00980107026
bulk blind; 56x28	00980005006
bulk blind; 70x35	00980007006
bulk Video / Digital; 1 RCA; 56x28	00980085016
bulk Video / Digital; 1 RCA; 70x35	00980087016
bulk Audio; 2 RCA; 70x35	00980087026
bulk Audio; 2 RCA; 56x28	00980085026
bulk YUV; 3 RCA; 56x28	00980085036
bulk YUV; 3 RCA; 70x35	00980087036



### SUPPORT RING



The support ring forms the base for all applications. It is screwed to a standard in-wall socket or surface socket. In contrast to the support ring for the AmbienTrack System #0098000, the new version #0098001 will fix the frame of the switch system by screwing the AV panels. The new support ring is suitable for all AV panels except for the version with 3 RCA jacks.

UNIT	ITEM-NO
bulk Support ring AmbienTrack	0098000
bulk Support ring IP	0098001

### IP FRAME



When the Premium AV-terminals are installed in a plaster wall, this frame forms an elegant seam to the wall.

UNIT	ITEM-NO
Set of 1 Single model	0098000001
Set of 1 Double model	0098000002
Set of 1 Triple model	0098000003

### HDMI IP INSTALLATION BOX



Inexpensive HDMI wall socket for 65 mm flushmounted sockets. With a 90° angled HDMI dual coupling and white plastic frame.

UNIT	ITEM-NO
Set of 1 HDMI (f) HDMI (f) 90°	00980018016

### YOU MIGHT ALSO BE INTERESTED IN



**AMBIENART**  
The unlimited facets of light open up brand new opportunities for interior design. It requires only few technical components, which you can combine in any way you want.

Further information on AmbienTech can be found on page 110

## AMBIENTECH

AmbienTech gets more out of buildings, houses and rooms where people live, work, eat and shop. It is a spatial concept that is ideal for private homes and commercial use. It offers new dimensions for interior design. You can look forward to more style, flair and personal space.

### AMBIENTRACK

There is more than meets the eye – more style! Combining flexibility with design this cable conduit system ensures that switches and sockets are exactly where you need them.

### AMBIENTONE

The sound coming from the walls: these flat-membrane loudspeakers can be invisibly slotted into walls and ceilings. Large box-loudspeakers are no longer necessary.



Our service begins long before you place the order: It starts with comprehensive technical and commercial advice, as well as planning for the projects – at your premises, if you want. It includes exactly understanding your requirements, developing custom solutions and concepts, and implementation at our in-house production facilities.



# PROFESSIONAL HDMI INSTALLATION

If you would like to connect several devices to an HDMI screen, for example a Blu-ray player, HD camera and a games console or in the reverse direction, if you would like to distribute pictures and sound from an HDMI source to different displays such as an LED screen and a projector, then you will certainly find the right solution in our HDMI product range: Multiply proven HDMI splitters and switch boxes distribute the signal. Our new HD-BaseT solutions now offer yet more options:

For ambitious video installations in the home and in professional applications it is often the case that lengthier routes from the playback source to the display are necessary. This is why we have expanded our range for professional installations and focussed on loss-free transferral of HDMI signals over distances of up to 100 metres. This has been made possible by the new Exzellenz HD-Base-T device series.



cently routed to every input, controlled by the operating elements on the device, via remote control or via the RS-232 interface. The extender outputs the signal received via the CAT cable directly to an HDMI receiver and forwards it in parallel to a receiver or another extender. This allows a distributor chain to be created that can supply up to six displays with the HDMI signal. The Exzellenz HD-Base-T transmitters and receivers are also available as wall-socket installations solutions and can thereby be integrated inconspicuously and elegantly in every room. They supplement the current



## 4K AND 3D EVEN OVER LONG DISTANCES.

The innovative transmitters, receivers and extenders as well as splitters and matrices of the HD-Base-T series are optimally attuned to each other and ensure an outstanding entertainment experience with perfect 3D displays in full HD or 4K resolution – even over long distances. Additional Ethernet connections are used for network/Internet connections of AV components. The IR channel (feed or return) allows the source device to be operated from the location of the playback device and vice versa with optional IR accessories.

The transmitter converts and transmits the HDMI signal via one CAT6 LAN cable with a length of up to 100 metres to the receiver. For example, network cables already installed in the building can be used, meaning there is no need for complicated and expensive cable laying. In addition, individual cable lengths can be manufactured and installed using familiar and conventional CAT cables and plugs. The full HDMI bandwidth of up to 10.2 Gbps as well as the current HDMI standards (3D, 4k etc.) are all supported.

in-akustik product range that opens a wide range of possibilities for fixed multimedia installations in the home: Various panel jacks and covers allow video and audio connections to be easily integrated in known switch systems, as well as in the in-akustik AmbienTrack system. Optically inconspicuous and technically of the highest quality – all connection terminals offer the very highest levels of operational convenience with minimal installation effort.

## FACTS

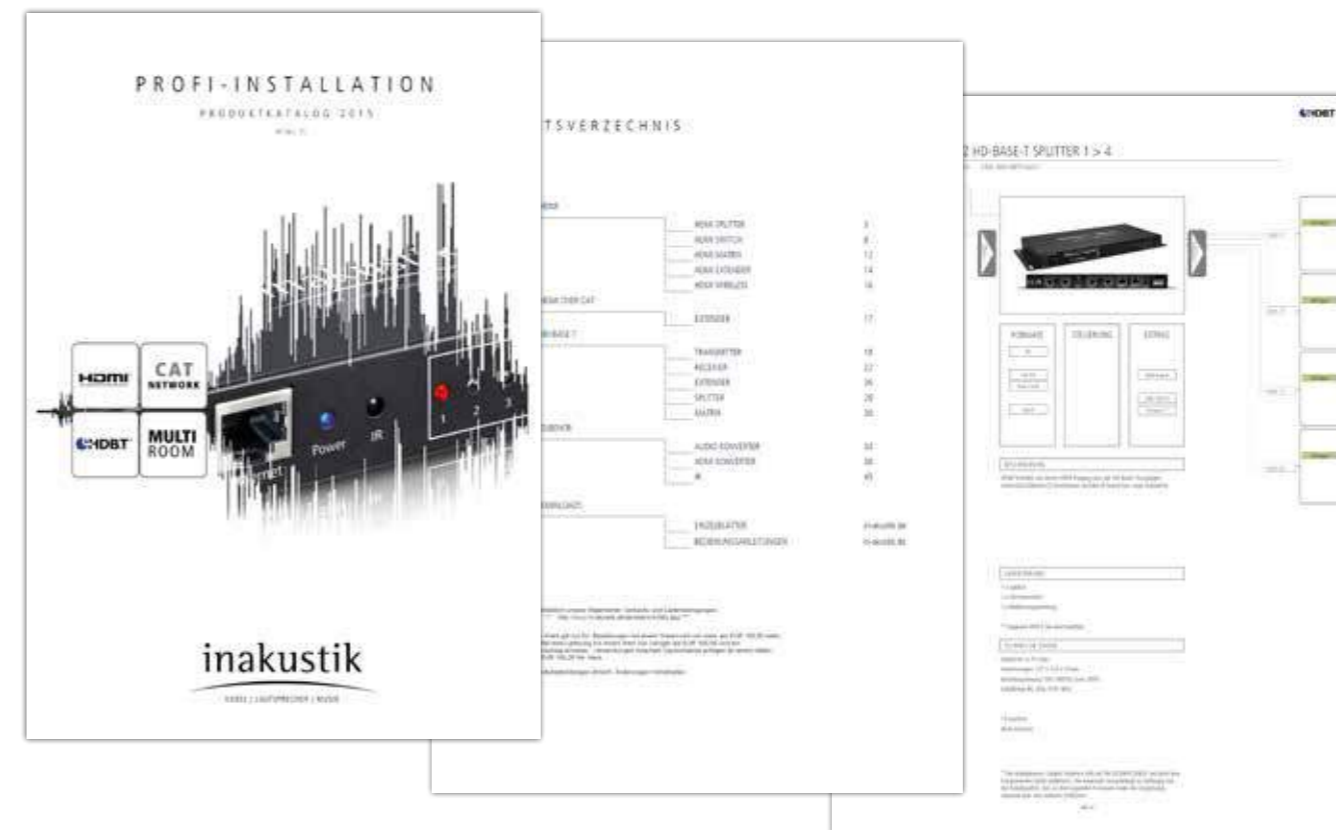
- HD-Base-T transmitters, receivers, splitters and matrices
- Transmission of the HDMI signals via a CAT6 cable of up to 100 m.
- Perfect 3D displays in full HD or 4K resolution
- Full HDMI bandwidth of up to 10.2 Gbps
- Support of all current HDMI standards (3D, 4K etc.)
- HD-Base-T transmitters and receivers also available as wall sockets

## MODULAR HD-BASE-T RANGE

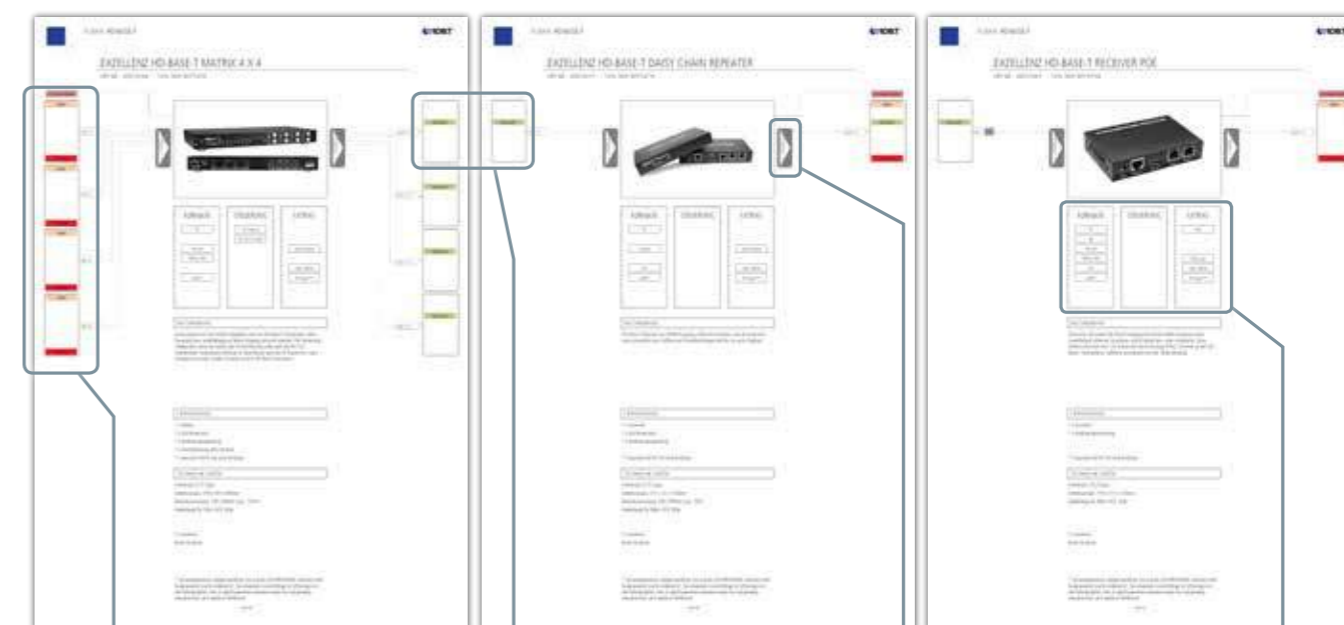
The modular structure of the entire HD-BASE-T product range means that there is no longer any obstacle to long-distance cabling of several HDMI signals. The splitter converts and transmits a signal to up to four receivers. With the aid of the 4x4 or 8x8 matrix, up to four or eight HDMI sources are available for an equal amount of HD-Base-T receivers. Every output can be indepen-



Catalogue HDMI professional Installation



In our separate product catalog „Professional Installation“, every product is described in detail. You see at a glance which formats and features are supported, which maximum cable lengths can be connected as well as the type and the number of inputs and outputs. For questions about the products or to the correct connection, please contact our support team. You can reach our product manager Mondays to Thursdays from 8-12 clock and 13-17 clock, and Fridays from 8-12 clock under the telephone number +49 (0) 7634 5610-70.



Type and number of inputs (left edge) and outputs (right edge) at a glance

Compatibility of components immediately recognizable

Indication of the maximum cable length

Supported formats and features at a glance

## HDMI SPLITTER

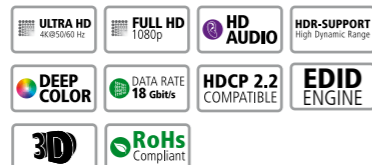
### HDMI SPLITTER 1 -> 2 HIGH SPEED



- Bandwidth up to 3 x 2.25 Gbps / 225 MHz
- Operating voltage: 230VAC / 5V or via HDMI
- Dimensions: 62 x 54 x 18 mm
- Cable length OUT: 20m

UNIT	ITEM-NO
1 pc	003247012

### HDMI 2.0 SPLITTER 1 -> 2 HIGH SPEED | 4K



- Supports uncompressed audio formats like LPCM
- Supports HD audio formats such as DTS-HD or Dolby True HD
- Supports compressed audio formats such as DTS, Dolby Digital
- Compact size: 80 x 50 x 20 mm
- Weight: 100 g

UNIT	ITEM-NO
1 pc	004245012

### HDMI SPLITTER 1 -> 4 HIGH SPEED



- Data rate: 10,2 Gbps
- Dimensions: 157 x 23 x 70mm
- Operating voltage: 230VAC; 5V / 12W
- Cable length IN: 20m; OUT: 20m

UNIT	ITEM-NO
1 pc	004245114

### HDMI SPLITTER 1 -> 8 HIGH SPEED



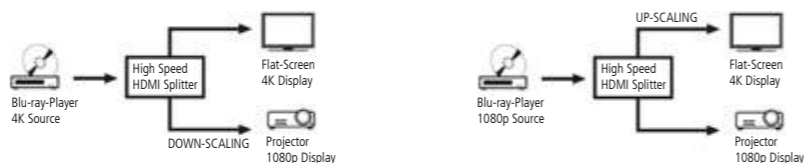
- Data rate: 10,2 Gbps
- Dimensions: 257 x 25 x 120mm
- Operating voltage: 230VAC; 5V / 16W
- Cable length IN: 20m; OUT: 20m

UNIT	ITEM-NO
1 pc	004245118

### HDMI SPLITTER 1->2 SCALER HIGH SPEED



The integrated scaler allows older and newer devices to be combined and makes the suitable format available to each device. This ensures that a new 4K-capable TV receives a 4K format even if an older Full HD TV is being operated on the splitter at the same time. The EDID management system (EDID Engine) generates the necessary EDID data for the source automatically. Overall, the splitter ensures that the connected devices can provide the maximum performance.



UNIT	ITEM-NO
1 pc	0042451142

## HDMI SWITCH

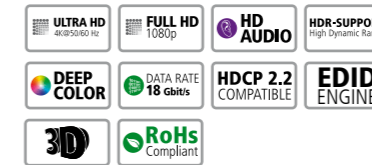
### HDMI 2.0 SWITCH 3 > 1 HIGH SPEED | 4K



- Output with HDMI cable (50 cm)
- Automatic switching
- Downwardly compatible
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS Digital, Dolby Digital
- Supports HD audio formats such as DTS-HD and Dolby True HD

UNIT	ITEM-NO
1 pc	0032450314

### HDMI 2.0 SWITCH 3 > 1 HIGH SPEED | 4K



- Supports uncompressed audio formats like LPCM
- Supports HD audio formats such as DTS-HD or Dolby True HD
- Supports compressed audio formats such as DTS, Dolby Digital
- Compact size: 80 x 50 x 20 mm
- Weight: 100 g

UNIT	ITEM-NO
1 pc	0042450313

### HDMI SWITCH 4 > 1 HIGH SPEED | MHL



A PIP (picture-in-picture) function is provided for easier use. It shows a preview of all the connected sources on the TV or projector



UNIT	ITEM-NO
1 pc	0042450413

## HDMI MATRIX

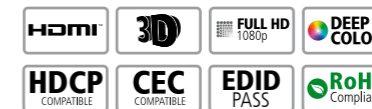
### MHL-HDMI SWITCH 3 -> 1



- 1 MHL and 3 HDMI inputs
- Range up to 750MHz / 7,5Gbps (HDMI)

UNIT	ITEM-NO
1 pc	00424505

### HDMI SWITCH 4 > 1 HIGH SPEED



- EDID management (Extended Display Identification Data)
- LED display
- Operated from the device or by remote control
- 24c gold-plated contacts

UNIT	ITEM-NO
1 pc	0042450412

### HDMI MATRIX 4 X 2 HIGH SPEED | SP-DIF | 4K



- EDID Generator
- Digital audio output
- Remote control
- HDMI input on the front for mobile devices
- Bandwidth: 10.2 Gbps (340 MHz)
- Optical and coaxial S/P-DIF audio output in parallel to output A
- Eight different EDID modes

UNIT	ITEM-NO
1 pc	0062450424

## HDMI EXTENDER

### HDMI TCP/IP EXTENDER SET



HDMI Extender by TCP/IP is based on TCP/IP standard. It extends your HD display with the resolutions of 1080p/60Hz up to 330 feet (100 meters) away from your HDMI or DVI-D source by using one CAT5e/6 cable. Thanks to the use of the TCP/IP protocol, you can transfer your high-definition video over an existing TCP/IP network. Total distance can be up to max 660 feet (200 meters).

- Supports a bandwidth of 3 x 1.65 Gbps / 165 MHz
- Uses the TCP/IP standard protocol
- EDID, HDCP compatible
- Supports 1080p (Full HD); 50/60 Hz
- CAT connections according to IEEE-568B

UNIT	ITEM-NO
Set 1 x Sender; 1 x Empfänger	009120013

## HD BASE-T TRANSMITTER

### HD BASE-T TRANSMITTER



Converter with one HDMI input and one HD-BaseT output as well as additional Ethernet port and IR channel (forward or back). Suitable for the HD-BaseT receivers.

- Data rate: 10,2 Gbps
- Dimensions: 110 x 23,5 x 75mm
- Operating voltage: 100-240VAC bzw. 5VDC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120301

### HD BASE-T TRANSMITTER | POE



Converter with one HDMI input and one HD-BaseT output as well as additional Ethernet port and IR channel (forward or back). This unit powers the connected receiver via the CAT cable (PoE). Suitable for the HD-BaseT receivers with PoE power supply.

- Data rate: 10,2 Gbps
- Dimensions: 110 x 23,5 x 75mm
- Operating voltage: 100-240VAC bzw. 5VDC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120401

### HDMI MATRIX 4 X 4 HIGH SPEED



HDMI matrix switch with one input and four outputs. Each output can be routed independently to each input. It is controlled using a button on the device, by remote control or via the RS-232 interface.

- Data rate: 6,75 Gbps
- Cable length IN: 20m; OUT: 20m

UNIT	ITEM-NO
1 pc	009120044

### HDMI 2.0 REPEATER



The Pro HDMI 2.0 repeater amplifies and improves the HDMI signal so that HDMI cables can be extended and larger distanced bridged with it. Thanks to state-of-the-art technology, the repeater supports the current 4K 60 Hz 4:4:4 formats (18 Gbps) and is backwards compatible. Using plug & play, it is simply plugged between the HDMI cables and supplied with power automatically via the HDMI port (no extra power supply unit required). The longer HDMI cable is installed between the source and the repeater and the shorter HDMI cable between the repeater and the TV/projector.

- 4K@60Hz 4:4:4 up to 25m
- 4K@30Hz up to 30m
- 1080p up to 50m
- supports HDCP2.2 & 1.4
- downwardly compatible to HDMI1.4 & 1.3
- Power supply via HDMI

UNIT	ITEM-NO
1 pc 4K@60Hz 4:4:4 (18Gbps)	00912004

### EXZELLENZ SINGLE CAT EXTENDER



Inexpensive HDMI CAT extender set for simple applications. The following EDID formats can be pre-selected by a DIP switch:

- (1080p@60) | 2D | 7.1 Ch. Audio
  - (1080p@60) | 2D | 2 Ch. Audio
  - (1080p@60) | 2D | 5.1 Ch. Audio
  - (1080p@24/30) | 3D | 5.1 Ch. Audio
  - (1080p30) (1080i60) (720p60) | 2D | 7.1 Ch.
  - (1080p30) (1080i60) (720p60) | 2D | 2 Ch.
  - (1080p24/30) | 3D | 2 Ch. Audio 8. (Auto)
- Data rate: 6,75 Gbps
  - Dimensions: 82 x 45 x 22mm
  - Operating voltage: 230VAC bzw. 5V/5W
  - Cable length HDMI IN: 20m; HDMI OUT: 20m
  - Cable length CAT: 50m

UNIT	ITEM-NO
Set Single CAT Extender Set	009120111

### HD-BASE-T TRANSMITTER IP-WALL SOCKET



Converter with one HDMI input and one HD-BaseT output as well as additional Ethernet port and IR channel (forward or back). For installation in mounting boxes (double boxes). Suitable for the HD-BaseT receivers.

- Data rate: 10,2 Gbps
- Dimensions: 145 x 84,5mm
- Operating voltage: 100-240VAC bzw. 5VDC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120303

### HD-BASE-T TRANSMITTER IP-WALL SOCKET | POE



Converter with one HDMI input and one HD-BaseT output as well as additional Ethernet port and IR channel (forward or back). This unit powers the connected receiver via the CAT cable (PoE). For installation in mounting boxes (double boxes). Suitable for the HD-BaseT receivers with PoE power supply.

- Data rate: 10,2 Gbps
- Dimensions: 145 x 84,5mm
- Operating voltage: 100-240VAC bzw. 5VDC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120403

## HD BASE-T RECEIVER

### HD BASE-T RECEIVER



Converter with one HD-BaseT input and one HDMI output as well as additional Ethernet port and IR channel (forward or back). Suitable for the HD-BaseT transmitters, splitters and matrix..

- Data rate: 10,2 Gbps
- Dimensions: 110 x 23,5 x 75mm
- Operating voltage: 100-240VAC bzw. 5VDC
- Cable length IN: 80m; OUT: 20m

UNIT	ITEM-NO
1 pc	009120302

### HD BASE-T RECEIVER | POE



Converter with one HD-BaseT input and one HDMI output as well as additional Ethernet port and IR channel (forward or back). This unit is powered via the CAT cable (PoE). Suitable for the HD-BaseT transmitters, splitters and matrix with PoE support.

- Data rate: 10,2 Gbps
- Dimensions: 110 x 23,5 x 75mm
- Operating voltage: 100-240VAC bzw. 5VDC
- CableLength IN: 80m; OUT: 20m

UNIT	ITEM-NO
1 pc	009120402

### HD-BASE-T RECEIVER IP-WALL SOCKET



Converter with one HD-BaseT input and one HDMI output as well as additional Ethernet port and IR channel (forward or back). For installation in mounting boxes (double boxes). Suitable for the HD-BaseT transmitters, splitters and matrix.

- Data rate: 10,2 Gbps
- Dimensions: 145 x 84,5mm
- Operating voltage: 100-240VAC bzw. 5VDC
- Cable length IN: 80m; OUT: 20m

UNIT	ITEM-NO
1 pc	009120304

### HD-BASE-T RECEIVER IP-WALL SOCKET | POE



Converter with one HD-BaseT input and one HDMI output as well as additional Ethernet port and IR channel (forward or back). This unit is powered via the CAT cable (PoE). For installation in mounting boxes (double boxes). Suitable for the HD-BaseT transmitters, splitters and matrix with PoE support.

- Data rate: 10,2 Gbps
- Dimensions: 145 x 84,5mm
- Operating voltage: 100-240VAC bzw. 5VDC
- Cable length IN: 80m; OUT: 20m

UNIT	ITEM-NO
1 pc	009120404

## HD BASE-T EXTENDER

### HDMI / CAT6 EXTENDER SET



The excellent HDMI CAT Extender Set converts and transmits HDMI signals using just one CAT cable. The cable length can be up to 100 m\*. This extender can be used with existing network cables in the building. Time consuming and expensive cable extensions are not necessary. In addition, standard CAT cables and plugs can be used to make and install individual cable lengths. The set consists of two converter modules (HDMI CAT / CAT HDMI) sender /receiver and two power supply units.

- HDMI via just one CAT cable
- Supports 10,2 Gbps (High Speed)
- Cable length HDMI IN/OUT: 20m\*
- Cable length CAT: 100m

UNIT	ITEM-NO
Set	HDMI -> CAT -> CAT -> HDMI 009120012

### HD BASE-T DAISY CHAIN REPEATER



HD-BaseT repeater with HDMI output, Ethernet port and IR channel (forward or back) for setting up splitter lines with up to six displays.

- Data rate: 6,75 Gbps
- Dimensions: 277 x 27 x 155mm
- Operating voltage: 100-240VAC bzw. 5VDC
- Cable length IN: 80m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120315

## HD BASE-T SPLITTER

### HD BASE-T SPLITTER 1 > 4



HDMI splitter with one HDMI input and four HD-BaseT outputs. Supports Ethernet (2 ports) and the IR channel (forward or back).

- Data rate: 6,75 Gbps
- Dimensions: 277 x 155 x 27mm
- Operating voltage: 100-240VAC bzw. 9VDC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120314

### HD BASE-T SPLITTER 1 > 4 | POE



HDMI splitter with one HDMI input and four HD-BaseT outputs. Supports Ethernet (2 ports) and the IR channel (forward or back). This splitter powers the connected receiver via the CAT cable (PoE).

- Data rate: 6,75 Gbps
- Dimensions: 277 x 155 x 27mm
- Operating voltage: 100-240VAC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120414

HD BASE-T MATRIX 4 X 4



Matrix with four HDMI inputs and four HD-BaseT outputs. Each output can be routed independently to each input. It is controlled using a button on the device, by remote control or via the RS-232 interface. Supports Ethernet (2 ports) and the IR channel (forward or back) for each source. Suitable for the HD-BaseT receivers.

- Data rate: 6,75 Gbps
- Dimensions: 440 x 44 x 200mm
- Operating voltage: 100-240VAC bzw. 12VDC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120344

HD BASE-T MATRIX 4 X 4 | POE

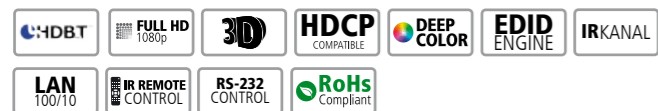


Matrix with four HDMI inputs and four HD-BaseT outputs. Each output can be routed independently to each input. It is controlled using a button on the device, by remote control or via the RS-232 interface. Supports Ethernet (2 ports) and the IR channel (forward or back) for each source. The matrix powers the connected receivers via the CAT cable (PoE). Suitable for the HD-BaseT receivers with PoE power supply.

- Data rate: 6,75 Gbps
- Dimensions: 440 x 44 x 200mm
- Operating voltage: 100-240VAC bzw. 48VDC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120444

HD BASE-T MATRIX 8 X 8



Matrix with eight HDMI inputs and eight dual HD-BaseT outputs. Each output can be routed independently to each input. It is controlled using a button on the device, by remote control or via the RS-232 interface. Supports Ethernet (2 ports) and the IR channel (forward or back) for each source. Suitable for the HD-BaseT receivers.

- Data rate: 6,75 Gbps
- Dimensions: 440 x 60 x 210mm
- Operating voltage: 100-240VAC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120388

HD BASE-T MATRIX 8 X 8 | POE



Matrix with eight HDMI inputs and eight dual HD-BaseT outputs. Each output can be routed independently to each input. It is controlled using a button on the device, by remote control or via the RS-232 interface. Supports Ethernet (2 ports) and the IR channel (forward or back) for each source. The matrix powers the connected receivers via the CAT cable (PoE). Suitable for the HD-BaseT receivers with PoE power supply.

- Data rate: 6,75 Gbps
- Dimensions: 440 x 60 x 210mm
- Operating voltage: 100-240VAC
- Cable length IN: 20m; OUT: 80m

UNIT	ITEM-NO
1 pc	009120488

AUDIO KONVERTER



- 16 Mbps max.
- Operating voltage: 100-240VAC bzw. 5VDC

UNIT	ITEM-NO
1 pc Coax > Toslink; 230V AC	01040101
1 pc Toslink > Coax; 230V AC	01040102

DAC | USB POWER



- Audio: 44 / 48 / 96kHz | 24 Bit
- Dimensions: 79 x 24 x 49mm
- Operating voltage: 100-240VAC bzw. 5VDC

UNIT	ITEM-NO
Set	00315002

AUDIO CONVERTER ANALOG > DIGITAL



- Audio out: 48kHz | 24Bit
- Dimensions: 50 x 34 x 40mm
- Operating voltage: 100-240VAC bzw. 5VDC

UNIT	ITEM-NO
1 pc	009120502

HDMI CONVERTER HDMI > HDMI + AUDIO



- The converter extracts the audio signal from the HDMI signal and provides it to an analogue output (stereo 3.5 mm jack) and a digital output (coaxial and optical).
- The audio format can be switched between 2-channel and 5.1-channel (digital).
- 6,75 Gbps
- Dimensions: 70 x 20,5 x 66,6mm
- Operating voltage: 100-240VAC bzw. 5VDC

UNIT	ITEM-NO
1 pc	009120601

HDMI CONVERTER HDMI > FBAS + AUDIO



- The converter changes the HDMI signal to a standard analogue signal (FBAS). The output format can be switched between PAL and NTSC. An analogue audio output is also available.
- PAL (576) / NTSC (480i)
- Dimensions: 100 x 25 x 100mm
- Operating voltage: 100-240VAC bzw. 5VDC

UNIT	ITEM-NO
1 pc	009120602

HDMI CONVERTER VGA + AUDIO > HDMI



- changes the analogue VGA and stereo audio signal to an HDMI signal.
- VGA in: 800x600 / 1024x768 / 1360x768 / 1600x1200
- HDMI out: 800x600 / 1024x768 / 1360x768 / 1600x1200
- Audio out: 24 Bit / 48kHz (HDMI)
- Dimensions: 88 x 25,5 x 68mm
- Operating voltage: 100-240VAC bzw. 5VDC

UNIT	ITEM-NO
1 pc	009120603

HDMI CONVERTER VGA/AUDIO > HDMI WITH SCALER



- changes the analogue VGA and stereo audio signal to an HDMI signal
- The output format can be switched between 720p and 1080p.
- VGA in: 800x600 / 1024x768 / 1360x768 / 1600x1200
- HDMI out: 720p / 1080p
- Audio out: 24 Bit / 48kHz (HDMI)
- Dimensions: 88 x 25,5 x 68mm
- Operating voltage: 100-240VAC bzw. 5VDC

UNIT	ITEM-NO
1 pc	009120604

CONVERTER HDMI A | MINI C | MICRO D > VGA



- HDMI in: 480/576/720/1080p
- Audio in: 2 Channel 32/44.1/48kHz; 16/20/24Bit (HDMI)
- VGA out: 480/576/720/1080p
- Operating voltage: 100-240VAC bzw. 5VDC

VERSION	ITEM-NO
HDMI A > VGA	009120605
HDMI Mini C > VGA	009120606
HDMI Micro D > VGA	009120607

IR RX/TX SET | HDMI ADAPTER



The set consists of an infrared receiver and an infrared transmitter, each with a 1.5 m cable, and is required for using the IR channels. Compatible with all Exzellenz products with an IR channel.

Using this adapter, an IR channel can be set up via an HDMI cable in conjunction with the Exzellenz IR RX/TX set. Suitable for the Exzellenz 4x4 HDMI Matrix.

VERSION	ITEM-NO
IR RX/TX Set	009129901
IR HDMI Adapter	009129902



● PLANNING AID	112
● AMBIENTRACK	114
● AMBIENART	117
● AMBIENTONE	120

# AMBIENTECH

AmbienTech gets more out of buildings, houses and rooms where people live, work, eat and shop. It is a spatial concept that is ideal for private homes and commercial use. It offers new dimensions for interior design. You can look forward to more style, flair and personal space.

## AMBIENTRACK

There is more than meets the eye – more style! Combining flexibility with design this cable conduit system ensures that switches and sockets are exactly where you need them.

## AMBIENART

The unlimited facets of light open up brand new opportunities for interior design. It requires only few technical components, which you can combine in any way you want.

## AMBIENTONE

The sound coming from the walls: these flat-membrane loudspeakers can be invisibly slotted into walls and ceilings. Large box-loudspeakers are no longer necessary.





### AMBIENTRACK - PLANNING IN 5 STEPS

1. Arrangement of the vertical-running baseboards
2. Arrangement of the horizontal-running baseboards
3. Arrangement of the device boxes
4. Arrangement of the covers
5. Arrangement of the accessories (transitions, end sections, etc.)



### AMBIENART - LED LIGHTING CONCEPT

The AmbientArt LED lighting concept can be used independently or in combination with the AmbientTrack cable ducts. The AmbientArt LED modules enable entirely new interior design possibilities.

The AmbientArt LED strips can be combined with all AmbientTrack cable ducts. The LED strip is available in RGB or monochrome versions. The retaining profile is included in the scope of delivery.

**3. TOOL BOX**  
- For integrating switch systems  
- System 56 | 65 | 72  
- 1er | 2er | 3er | 4er | 5er or closed

**4. ALUMINIUM COVERS**  
- Anodised aluminium or stainless steel look  
- System 56 | 65 | 72  
- 1er | 2er | 3er | 4er | 5er or closed  
- Length 900mm | 2500mm

The covers are included in the scope of delivery for the skirting board and the narrow wall column.

**5. TRANSITIONS**  
Mouldings for wall and corner columns as transition to skirting board duct or skirting board

**2. HORIZONTAL**

**1. VERTICAL**

**2. HORIZONTAL**

**LED CUBES**  
- RGB or monochrome  
- can be rotated by 360°  
- single | double | triple socket

**LED FLOOR SPOTLIGHTS**  
- White or warm-white  
- Orientation light in hallways and corridors  
- Light reflection on floor  
- Illumination of tripping hazards

**LED END SECTION**  
- RGB or monochrome  
- for corner pillar, wall pillar and device support

- 3-STEP INSTALLATION**  
To put it simply, the AmbientTrack system can be installed in just 3 steps:
1. Install the baseboard
  2. Put in the pre-equipped device box
  3. Clip on the covers

**ACCESSORIES**  
The selection of AmbientTrack accessories includes many solutions such as corner solutions, cable outlets for the covers, end covers for the individual channels etc. Further information is available in our detailed product catalogue which can be downloaded from our website [www.in-akustik.de](http://www.in-akustik.de).

**CONTROLLER**  
The AmbientArt light system is controlled by an RGB controller, which manages the colour settings and changes as well as the dimming of the light components. The controller is elegantly integrated into the wall columns along with the device box and can be easily operated by remote control. The power is supplied by the 24-volt system power supply unit. The controller's user interface is very high quality and has a clear layout, and can be combined with any switches and sockets.

**POWER SUPPLY**  
The power for the LED strips is supplied using 24V constant voltage and the LED cubes are fed with a 350mA constant current. The system is also PWM compatible (pulse width modulation) and can be controlled by all common control systems

**SYSTEM DVD**  
We have compiled useful installation and assembly videos for AmbientTrack, AmbientTech and AmbientTone, available for you on our DVD about the AmbientTech system. The videos can also be viewed and downloaded from our website at [www.in-akustik.de](http://www.in-akustik.de).

**SUPPORT**  
We offer a complete service both before and after your purchase. Our support team will be happy to answer any technical questions you may have about AmbientTech or about the design and implementation of your project. Our experts are available from Monday to Friday from 09:00–12:00 and from 13:00–16:00 via phone: +49 (0) 7634 5610-70 or e-mail: [ambientech@in-akustik.de](mailto:ambientech@in-akustik.de).



**DEVICE SUPPORT**  
The AmbientTrack device supports are installed on the skirting board and enable you to vary the position of sockets, a computer or multi-media connections. It can also be easily added to at a later date. The AmbientTrack device support offers the option of backlighting the shadow gaps with the AmbientTrack LED strips as well as installing AmbientTrack LED spotlights to illuminate the walls.



WALL PILLAR | BASIC PROFILE



CORNER PILLAR | BASIC PROFILE



The AmbientTrack wall pillar is made of aluminium and can be installed at half room height or at full room height. The wall pillar is used for guiding cables and for fitting installation components. The fixed installation of main circuits into the rooms ends in the wall pillar. The transition from a classic installation to flexible cabling is therefore effected in the wall pillar. It can be installed both surface-mounted and flush-mounted in the wall.

The corner pillar is also fully made of aluminium and can be installed at half-height or room height in corner spaces. It boasts the same installation options as the wall pillar, and is also well suited for vertical installation over several floors. The same cover panels are used as for the wall pillar.

LENGTH	ITEM NO
900mm wall pillar high; alu optic	0011002
1.800mm wall pillar high; alu optic	0011004
900mm wall pillar high; alu optic; with cutout	0011003

LENGTH	ITEM NO
900mm corner pillar; alu optic	0011201
1.800mm corner pillar; alu optic	0011203
900mm corner pillar; alu optic; with cutout	0011202
1.800mm corner pillar ;alu optic; with cutout	0011204

WALL PILLAR FLAT | BASIC PROFILE



WALL PILLAR SMALL | BASIC PROFILE + COVER



The flat wall pillar is made of aluminium and can be installed at half room height or at room height, and is solely for cable routing. It can be installed both surface-mounted and flush-mounted in the walls.

The compact wall pillar is also used for guiding cables and is usually surface-mounted. It has a slimmer design than the flat wall pillar. The baseboard for the WA OT90 is made of plastic and is completely covered by the aluminium top part, available in the surface finishes natural aluminium or stainless steel.

LENGTH	ITEM NO
900mm wall pillar flat; alu optic; anodized	0010803
900mm wall pillar flat; SET with cover; alu optic	0010806
900mm wall pillar flat; SET with cover; stainless steel optic	0010807

LENGTH	ITEM NO
1.800mm wall pillar small; alu optic	0010403
1.800mm wall pillar small; stainless steel optic	0010405

SKIRTING BOARD DUCT | BASIC PROFILE



SKIRTING BOARD | BASIC PROFILE + COVER



The AmbientTrack skirting board duct is installed on the floor and is a horizontal guide for cables, as well as a fitting for installation components near floor level. Combined with drywall construction, it is possible to partially integrate the skirting board duct into the wall.

The AmbientTrack skirting board is used for horizontal distribution of cables in a room, which generally lead out of an AmbientTrack pillar. It is however also possible to feed into an AmbientTrack skirting board directly from the wall.

LENGTH	ITEM NO
625mm skirting board duct; Basic profile; alu optic; anodized	0010202
1.875mm skirting board duct; Basic profile; alu optic; anodized	0010204

LENGTH	ITEM NO
1.800mm skirting board; alu optic	0010004
1.800mm skirting board; alu optic	0010005
1.800mm skirting board; stainless steel optic	0010012
1.800mm skirting board; stainless steel optic	0010013

COVER



TOOL BOX



The same aluminium covers are used for the wall duct, corner duct, skirting board duct and the flat wall duct baseboard. There are two standard surface finishes (natural anodised and stainless steel). The covers are clipped onto the baseboard without screws. To match the various installation products and light modules, there are covers with the corresponding perforations. A special design feature is the frame-free installation of standard switch systems

The tool box allows installation components such as switches, sockets, computer and speaker connections, sensors, operating elements and so on to be installed modularly in any combination in the AmbientTrack wall ducts, corner ducts and skirting board ducts. Furthermore, the tool box can be used as a distributor and branching box. The installation of power supply units and electronic components, e.g. for building automation, is also possible

LENGTH	ITEM NO
COVER SYSTEM 56MM	
900mm Cover System 56 alu optic / 1 cutout	00114501
900mm Cover System 56 alu optic / 2 cutout	00114503
900mm Cover System 56 alu optic / 3 cutout	00114505
900mm Cover System 56 alu optic / 4 cutout	00114507
900mm Cover System 56 alu optic / 5 cutout	00114508
2.500mm Cover System 56 alu optic / 2 cutout	00114504
2.500mm Cover System 56 alu optic / 2+1 cutout	00114506

UNIT	ITEM NO
TOOL BOX SYSTEM 56MM	
Set A-Track Tool Box; 56mm   1 cutout	0013051
Set A-Track Tool Box; 56mm   2 cutout	0013052
Set A-Track Tool Box; 56mm   3 cutout	0013053
Set A-Track Tool Box; 56mm   4 cutout	0013054
Set A-Track Tool Box; 56mm   5 cutout	0013055

900mm Cover System 56 stainless steel optic / 1 cutout	00114509
900mm Cover System 56 stainless steel optic / 2 cutout	00114511
900mm Cover System 56 stainless steel optic / 3 cutout	00114513
900mm Cover System 56 stainless steel optic / 4 cutout	00114515
900mm Cover System 56 stainless steel optic / 5 cutout	00114516
2.500mm Cover System 56 stainless steel optic / 2 cutout	00114512
2.500mm Cover System 56 stainless steel optic / 2+1 cutout	00114514

UNIT	ITEM NO
TOOL BOX SYSTEM 65MM	
Set A-Track Tool Box; 65mm   1 cutout	0013061
Set A-Track Tool Box; 65mm   2 cutout	0013062
Set A-Track Tool Box; 65mm   3 cutout	0013063
Set A-Track Tool Box; 65mm   4 cutout	0013064
Set A-Track Tool Box; 65mm   5 cutout	0013065

LENGTH	ITEM NO
COVER SYSTEM 65MM	
900mm Cover System 65 alu optic / 1 cutout	00114601
900mm Cover System 65 alu optic / 2 cutout	00114603
900mm Cover System 65 alu optic / 3 cutout	00114604
900mm Cover System 65 alu optic / 4 cutout	00114605
900mm Cover System 65 alu optic / 5 cutout	00114606

UNIT	ITEM NO
TOOL BOX SYSTEM 71MM	
Set A-Track Tool Box; 71mm   1 cutout	0013071
Set A-Track Tool Box; 71mm   2 cutout	0013072
Set A-Track Tool Box; 71mm   3 cutout	0013073
Set A-Track Tool Box; 71mm   4 cutout	0013074
Set A-Track Tool Box; 71mm   5 cutout	0013075

900mm Cover System 65 stainless steel optic / 1 cutout	00114607
900mm Cover System 65 stainless steel optic / 2 cutout	00114609
900mm Cover System 65 stainless steel optic / 3 cutout	00114610
900mm Cover System 65 stainless steel optic / 4 cutout	00114611
900mm Cover System 65 stainless steel optic / 5 cutout	00114612

UNIT	ITEM NO
TOOL BOX SYSTEM WITHOUT CUTOUT	
Set A-Track Tool Box   size like 1 cutout	0013001
Set A-Track Tool Box   size like 2 cutout	0013002
Set A-Track Tool Box   size like 3 cutout	0013003
Set A-Track Tool Box   size like 4 cutout	0013004
Set A-Track Tool Box   size like 5 cutout	0013005

LENGTH	ITEM NO
COVER SYSTEM 71MM	
900mm Cover System 71 alu optic / 1 cutout	00114701
900mm Cover System 71 alu optic / 2 cutout	00114703
900mm Cover System 71 alu optic / 3 cutout	00114704
900mm Cover System 71 alu optic / 4 cutout	00114705
900mm Cover System 71 alu optic / 5 cutout	00114706

900mm Cover System 71 stainless steel optic / 1 cutout	00114707
900mm Cover System 71 stainless steel optic / 2 cutout	00114709
900mm Cover System 71 stainless steel optic / 3 cutout	00114710
900mm Cover System 71 stainless steel optic / 4 cutout	00114711
900mm Cover System 71 stainless steel optic / 5 cutout	00114712

LENGTH	ITEM NO
COVER WITHOU CUTOUT	
900mm cover alu optic	00114003
900mm cover stainless steel optic	00114006

## DEVICE SUPPORT



The AmbienTrack device support is installed on the skirting board and allows you to vary the position of sockets, a computer or multimedia connections. It can also be easily added to at a later date.

UNIT		ITEM NO
Set	device support SET without cutout; alu optic	0013200
Set	device support SET System 56 alu optic	0013251
Set	device support SET System 56 stainless steel optic	0013252
Set	device support SET System 65 alu optic	0013261
Set	device support SET System 65 stainless steel optic	0013262
Set	device support SET System 71 alu optic	0013271
Set	device support SET System 71 stainless steel optic	0013272

## COVER WITH CABLE OUTLET



UNIT		ITEM NO
1 pc	A-Track cover alu optic; with cable outlet	0011490
1 pc	A-Track cover stainless steel; optic with cable outlet	0011491

## SKIRTING BOARD END SECTIONS



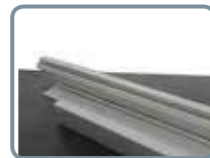
UNIT		ITEM NO
1 pc	A-Track skirting board; alu optic; left	0010010
1 pc	A-Track skirting board; alu optic; right	0010009
1 pc	A-Track skirting board; stainless steel optic; left	0010018
1 pc	A-Track skirting board; stainless steel optic; right	0010017

## END SECTION FOR CORNER PILLAR



UNIT		ITEM NO
1 pc	A-Track corner pillar; alu optic	0011205
1 pc	A-Track corner pillar; stainless steel optic	0011206

## MOULDINGS FOR WALL PILLAR



The mouldings allow any combination of transitions between the wall or corner columns and the skirting board or skirting duct. Each moulding consists of a half base profile (left and right), and is plugged onto the respective baseboard of the wall or corner column using coupling pins (included in the set).

Example: A transition between a wall column and a skirting board on the left, and an on-wall skirting duct on the right is assembled as follows:  
 1 x 0011017 A-Track wall column, high moulding transition SL LEFT  
 1 x 0011018 A-Track wall column, high moulding transition SK on-wall RIGHT

UNIT		ITEM NO
1 pc	wall pillar high; moulding closed right / left	0011014
1 pc	wall pillar high; moulding transition skirting board right	0011016
1 pc	wall pillar high; moulding transition skirting board left	0011017

UNIT		ITEM NO
1 pc	wall pillar high; moulding transition skirting board duct on-wall right	0011018
1 pc	wall pillar high; moulding transition skirting board duct on-wall left	0011019
1 pc	wall pillar high; moulding transition skirting board duct in-wall right	0011020
1 pc	wall pillar high; moulding transition skirting board duct in-wall left	0011021

## MOULDING FOR CORNER PILLAR



UNIT		ITEM NO
1 pc	corner pillar high; moulding closed right / left	0011208
1 pc	corner pillar high; moulding transition skirting board right	0011210
1 pc	corner pillar high; moulding transition skirting board left	0011211

## SKIRTING BOARD OUTSIDE CORNER 90°



UNIT		ITEM NO
1 pc	skirting board; alu optic	0010008
1 pc	skirting board; stainless steel optic	0010016

## END SECTION FOR WALL PILLAR AND FLAT WALL PILLAR



UNIT		ITEM NO
1 pc	wall pillar high; alu optic (old version)	0011009
1 pc	wall pillar high; stainless steel optic	0011012
1 pc	wall pillar flat; alu optic	0010804
1 pc	wall pillar flat; stainless steel optic	0010805

## STRAIN RELIEF FOR TOOL BOX



UNIT		ITEM NO
Set	A-Track strain relief (M5861)	00190003

## AMBIENART

### LED STRIP



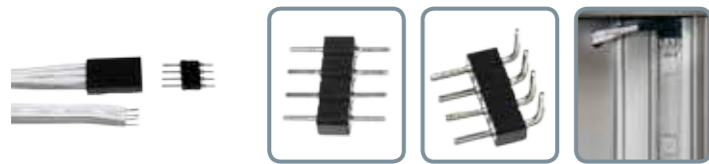
For installation in the shadow gap of the AmbienTrack ducts (wall duct, corner duct, skirting board, skirting duct, device support, TV wall duct) there are LED strips in a variety of designs. Monochrome strips in the colours white, warm white and blue can be clipped into the profiles – no need for tools. They are supplied directly using appropriate 24 volt power supply units from the AmbienTrack range, or using the AmbienTrack controller/dimmer. In addition, the LED strip is also available in a RGB version. This allows the light lines to be realised in any imaginable colour and even with dynamic changes of

colour. The RGB strip is clipped into the AmbienTrack profile together with a small retaining profile and activated using the AmbienTrack controller/dimmer. A comprehensive range of accessories, such as connector or coupling pieces, is available for the LED strips. A flexible LED strip with the three base colours red, green and blue for individual and variable colour palettes. Dust and water proof, moulded with a self-adhesive rear side for universal use. The short LED intervals of just 25 mm provide a high luminosity and evenly distribute the illumination. The strips are easy to combine by joining together.

LENGTH		ITEM NO
450mm	LED strip RGB 24V (447 x 10 / 2xPCB connector / ESD)	0015201
900mm	LED strip RGB 24V (897 x 10 / 2xPCB connector / ESD)	0015202
2.250mm	LED strip RGB 24V (2.247 x 10 / 2xPCB connector / ESD)	0015203
4.500mm	LED strip RGB 24V (4.497 x 10 / 2xPCB connector / ESD)	0015204

LENGTH		ITEM NO
450mm	A-Art LED strip WP 24V / white	0015021
450mm	A-Art LED strip WP 24V / warm white	0015031
900mm	A-Art LED strip WP 24V / white	0015022
900mm	A-Art LED strip WP 24V / warm white	0015032
2.250mm	A-Art LED strip WP 24V / white	0015023
2.250mm	A-Art LED strip WP 24V / warm white	0015033
4.500mm	A-Art LED strip WP 24V / white	0015024
4.500mm	A-Art LED strip WP 24V / warm white	0015034

## LED STRIP | ACCESSORIES



AmbienArt LED light RGB connection cable:  
Quadrupole cable for connecting the AmbienArt LED RGB strips to the AmbienArt RGB controller

AmbienArt LED light RGB dual coupling:  
Quadrupole dual coupling for connecting two AmbienArt LED light RGB strips. Quadrupole dual coupling forming a 90° angle for joining or connecting two AmbienArt LED light RGB strips around a corner.

AmbienArt LED light RGB 4-pin PCB connector  
Quadrupole connector socket for soldering to shortened AmbienArt LED light RGB strips.

UNIT	ITEM NO
1 pc A-Art LED strip RGB connecting cable	0015291
1 pc A-Art LED strip RGB connector 4p.	0015293
1 pc A-Art LED strip RGB connector 4p. 90°	0015294
1 pc A-Art LED strip RGB jack 4p; solder connection	0015295

## LED CUBE | PLUG-IN BASE



The AmbienArt plug-in base performs both the electrical adjustment as well as the mechanical adaptation of the LED cubes. They fit into the AmbienTrack tool box perfectly, where an adapter fitting guides the pluggable connections out of the tool box. In combination with the in-wall covers, available separately, the plug-in base and the LED cube can be installed in standard in-wall sockets independently of the AmbienTrack system. There are three different base modules:

1) AmbienArt plug-in base Master monochrome  
The Master plug-in base contains the constant current converter required for the LED cube (24 volt / 350 mA) and can be dimmed by PWM. A DIP switch allows you to decide which system channel the LED cube reacts to. The Master plug-in base can power up to four further LED cubes using Slave plug-in bases.

UNIT	ITEM NO
<b>MONOCHROME</b>	
1 pc plug in base monochrome; 1 gang Master	0015510
1 pc plug in base monochrome; 1 gang Slave	0015511
1 pc plug in base monochrome; 2 gang Master/Slave	0015513
1 pc plug in base monochrome; 2 gang Master/Master	0015514
<b>RGB</b>	
1 pc plug in base RGB 1 gang Master	0015551
1 pc plug in base RGB 2 gang Master	0015552
<b>ACCESSORIES</b>	
1 pc LED cube plug base connecting adapter for toolbox	0015593
1 pc LED cube UP-cover 1 gang; stainless steel optic	0015591
1 pc LED cube UP-cover 2 gang; stainless steel optic	0015592

## LED CUBE



The LED cubes have an edge length of just 30 mm, can be rotated by 360°, can be individually combined and can be placed and replaced on the AmbienTrack profiles anytime. The matching jacks with the LED circuit electronics are installed ready to connect to the AmbienTrack tool boxes. The focused light beam from the cube, with an illumination angle of 20°, is generated using power LED technology. The power is supplied and the cube activated using the 24-volt power supply unit and the controller/dimmer from the AmbienTrack range. Ceilings, walls, accessories and even entire rooms can now be accentuated with cool or warm light colours according to pReferenz

UNIT	ITEM NO
1 pc LED cube monochrom 350mA/1W 90° white	0015401
1 pc LED cube monochrom 350mA/1W 90° warm white	0015402
1 pc LED cube monochrom 350mA/1W 90° red	0015404
1 pc LED cube monochrom 350mA/1W 90° green	0015405
1 pc LED cube monochrom 350mA/1W 90° blue	0015403
1 pc LED cube RGB 3x350mA/1W 90°	0015451

2) AmbienArt plug-in base Slave monochrome  
The Slave plug-in base is for extending the Master plug-in base (see above). It can also be used as a purely mechanical plug-in base for activating the LED cubes using other systems. CAUTION: In this case, it must be activated using 350 mA constant current!

3) AmbienArt plug-in base RGB  
This plug-in base has been designed especially for the LED cubes RGB. It contains a separately-dimmable constant current converter for every colour channel (red, green and blue). It is activated using PWM.

UNIT	ITEM NO
<b>MONOCHROME</b>	
1 pc plug in base; BOX 1 gang Master	0015601
1 pc plug in base; BOX 2 gang Master/Slave	0015603
1 pc plug in base; BOX 2 gang Master/Master	0015604
1 pc plug in base; BOX 3 gang Master/Slave/Slave	0015606
1 pc plug in base; BOX 3 gang Master/Master/Master	0015607
<b>RGB</b>	
1 pc plug in base; BOX 1 gang	0015651
1 pc plug in base; BOX 2 gang	0015652
1 pc plug in base; BOX 3 gang	0015653

## LED WALL SPOTLIGHT



A powerful LED spotlight in monochrome and RGB versions which is integrated into the end sections of the wall and corner pillars, as well as the device support. The beam of light emerging from the front face of the profile is generally directed towards the ceiling, and produces a fascinating light reflection on the wall – in particular during the dynamic colour changes. The power is supplied and the cube activated using the 24-volt power supply unit and the controller/dimmer from the AmbienTrack range. The extraordinary combination of light with sockets, loudspeakers and other connections underlines the innovative character of the AmbienTrack system and illustrates the intrinsic value of the entire installation.

UNIT	ITEM NO
1 pc LED end section; wall pillar; alu optic; 350mA/1W	0015802
1 pc LED end section; wall pillar; alu optic; 350mA/1W	0015803
1 pc LED end section; wall pillar; alu optic; 350mA/1W	0015801
1 pc LED end section; wall pillar; stainless steel optic; 350mA/1W	0015806
1 pc LED end section; wall pillar; stainless steel optic; 350mA/1W	0015807
1 pc LED end section; wall pillar; stainless steel optic; 350mA/1W	0015805
1 pc LED end section; corner pillar; alu optic; 350mA/1W	0015822
1 pc LED end section; corner pillar; alu optic; 350mA/1W	0015823
1 pc LED end section; corner pillar; alu optic; 350mA/1W	0015821
1 pc LED end section; corner pillar; stainless steel optic; 350mA/1W	0015826
1 pc LED end section; corner pillar; stainless steel optic; 350mA/1W	0015827
1 pc LED end section; corner pillar; stainless steel optic; 350mA/1W	0015825

## LED FLOOR SPOTLIGHT



Most sources of light are placed in the upper parts of rooms. However, an important function of light – providing orientation and attracting attention – cannot always be optimally realised. In the floor area, it is often especially important to point out any trip hazards or steps, and to define paths. Using AmbienArt LED floor spotlights, which are installed flush-mounted into the AmbienTrack skirting boards or skirting board ducts, this function can also be mastered to perfection.

UNIT	ITEM NO
1 pc A-Art LED module 350mA/1W blue	0016001
1 pc A-Art LED module 350mA/1W warmwhite	0016003
1 pc A-Art LED module 350mA/1W white	0016002

## LED-RGB-CONTROLLER



The AmbienArt light system is controlled by a RGB controller, which takes care of the colour setting, changing the colour or dimming the light components. The controller is elegantly integrated into the wall pillars along with the tool box and can be easily operated by remote control. The power is supplied using the 24-volt system power supply unit. The controller's user interface is very high quality and has a clear layout, and can be combined with any switches and sockets..

UNIT	ITEM NO
1 pc RGB Controller 2432 PWM / 12-24V/3x2A / 56 stainless steel	0016605
1 pc RGB Controller 2432 PWM / 12-24V/3x2A / 65 stainless steel	0016606
1 pc RGB Controller 2432 PWM / 12-24V/3x2A / 71 stainless steel	0016607
1 pc RGB Controller 2432 PWM / 12-24V/3x2A / PCB	0016600
1 pc RGB Repeater	0016620
1 pc AC-Adapter 230V -> 350mA / 3W	0017001
1 pc AC-Adapter 230V -> 350mA / 6W	0017002
1 pc AC-Adapter 230V -> 350mA / 9W / round; for installation socket	0017003
1 pc Netzteil 100-230V AC -> 24V DC/14W; Y-Adapt. & 2xDC coupling	0017101
1 pc AC-Adapter 90-264V AC -> 24V DC / 0,84A / 20W	0017102
1 pc AC-Adapter 90-264V AC -> 24V DC / 2,5A / 60W	0017103
1 pc AC-Adapter 90-264V AC -> 24V DC / 4A / 96W	0017104
1 pc AC-Adapter 90-280V AC -> 24V DC / 6,3A / 150W	0017105
1 pc AC-Adapter 90-264V AC -> 24V DC / 2,5 A / 60W for RGB	0017110

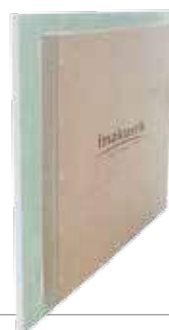
## LED PENDANT LIGHTS



The building block principle of the entire AmbienTrack system, including the lighting components, makes it possible to create diverse lighting solutions and even individual lamps. An example of this is the pendant light, which is comprised of an AmbienTrack profile and 5 LED cubes. The LED cubes are not simply fitted onto the profile, but rather connected together using a very thin low-voltage cable, which at the same time forms the lamp pendulum. Of course, individual variations in the number of LED cubes, pendant interval and length of the pendants are very easy to implement. The LED cubes are also interchangeable on the pendant lights. The power is supplied and they are also activated using the 24-volt power supply unit and the controller/dimmer from the AmbienTrack range.

UNIT	ITEM NO
1 pc pendant lamp; stainless steel optic; 5 gang	0016414
1 pc pendant lamp; stainless steel optic; 5 gang with RGB backlight	0016415

AMBIENTONE NO.4 | NO.1



AmbienTone is a flat panel loudspeaker in a modified gypsum plasterboard. It is installed in drywall constructions. In very few work steps. Once connected, fitted and sealed, AmbienTone can be wallpapered over, painted and even plastered over. A coat with a thickness of up to 2 mm will result in only a minimal loss of sound quality.

- AmbienTone is a flat-membrane loudspeaker based on a bending wave convertor.
- Also suitable for wet rooms (bathroom, wellness, etc.).
- Ideal for multiroom and home cinema applications.
- Can be used in both private and public areas (restaurants, galleries, etc.).
- Large box-loudspeakers are no longer necessary.
- The speakers can be connected to any amplifier or hi-fi system.

	NO.4	NO.1	NO.1 (100V)
- Power:	60 Watts	40 Watts	25 Watts (6/12/20/25 Watts adjustable)
- Impedance:	6 Ohm	4 Ohm	
- Frequency range:	80–18.000 Hz	80–18.000 Hz	
- Sensitivity:	92,5 dB	85 dB (1W/m)	85 dB (1W/m)
- Overload protection	Yes	Yes	Yes
- Size:	625 x 500 x 44 mm	700 x 500 x 44 mm	700 x 500 x 44 mm
- Weight:	5,5 kg	5,5 kg	5,8 kg
- System:	2 ways	2 ways	2 ways
- Dispersion angel:	H x V 180° x 180°	H x V 180° x 180°	H x V 180° x 180°
- Connection:	10 m speaker cable	10 m speaker cable	10m speaker cable
- Max. SPL:	108 dB	102 dB	102 dB
- Plasterboard:	12,5 mm	12,5 mm	12,5 mm

UNIT	ITEM NO
1 pc AmbienTone No.4; 2 ways; 6 Ohm; 60 Watts	0025004
1 pc AmbienTone No.4; 2 ways; 100 Volt; 60 Watts	0025004100
1 pc AmbienTone No.1; 2 ways; 40 Watt s	0025001
1 pc AmbienTone No.1; 2 ways; 100 Volt; 25 Watts	0025001100



AMBIENTONE NO.6



AmbienTone No.6 is a speaker module for invisible integration in solid walls. The flat-panel speaker constructed according to the principle of the bending wave converter. The module is embedded into a niche constructed in the wall and plastered over completely. Available as an option in a 100 V model. Note: the design of the AmbienTone No.6 module ensures an extremely high decoupling between the membrane surface and the surrounding surface of the wall. However, structure-borne sound which spreads through the walls can still occur, depending on the construction and workmanship of the masonry. Before installing the panel, check the static function of the wall you would like to use.

- Power:	40 Watt	- Weight:	ca. 3,5 kg
- Impedance:	4 Ohm	- System:	2 Wege
- Frequency range:	80–18.000 Hz	- Dispersion angel:	H x V 180° x 180°
- Sensitivity:	85 dB	- Connection:	10 m speaker cable
- Overload protection	Ja	- Carrier:	Foam membrane
- Size:	435 x 570 x 45 mm		

UNIT	ITEM NO
1 pc	0025006

AMBIENTONE NO.2



The AmbienTone No. 2 universal modules blend in indiscernably with panelling materials such as MDF, wood or chipboard. Panelling materials such as parts of a multimedia wall, or wall or ceiling cladding sections, are prepared in a way which allows the self-adhesive AmbienTone No. 2 to be installed on the back of these and the front side of the panelling material is used as a surface membrane. This means the AmbienTone No. 2 surface loudspeaker can be integrated into wood panelling, furnishings, etc., remaining out of sight and without visible joints.

- Power:	40 Watts	- Weight:	ca. 3,5 kg
- Impedance:	4 Ohm	- System:	2 ways
- Frequency range:	80–18.000 Hz	- Dispersion angel:	H x V 180° x 180°
- Sensitivity:	85 dB (1 Watt/1m)	- Connection:	10 m speaker cable
- Overload protection	Yes	- Version:	Self-adhesive membrane
- Size:	435 x 570 x 45 mm		

UNIT	ITEM NO
1 pc	0025002

AMBIENTONE SUB NO.2



This speaker is specialized for deep bass reproduction and can be perfectly combined with the AmbienTone panels No.4, No.2, and No.1. This hi-tech in-wall subwoofer features a very low structure-borne sound thanks to its special design. Wall vibrations and the transmission of noise to neighbouring rooms are therefore reduced to a minimum, even without additional decoupling. The front of the subwoofer consists of a gypsum plasterboard. In the same way as AmbienTone No.4, it is screwed onto the substructure of drywall constructions and plastered over flush with the surrounding plasterboard. A 10 mm narrow slit acts as a sound outlet and can be positioned inconspicuously above the skirting board or close to the ceiling. The integrated special switch enables a direct connection to a standard amplifier.

- Power:	2 x 100 Watts max.	- Connection:	2 x 10 m speaker cable
- Impedance:	2 x 6 Ohm	- Max. SPL:	108 dB
- Frequency range:	38–100Hz	- Carrier:	12,5 mm plasterboard
- Sensitivity:	85 dB		
- Size:	500 x 625 x 86 mm		
- Installation depth:	73 mm		
- Cutout:	435 x 570 mm		
- Weight:	9 kg		
- System:	Passive stereo system		
- Frequency crossover:	Integrated special cross switch		

UNIT	ITEM NO
1 pc	0025202

AMBIENTONE NO.8



- Furniture loudspeaker
- For panel materials such as MDF wood / chipboard
- Incl. 10m speaker cable
- Dispersion angel: HxV 180° x180°
- Passive stereo system
- 10 mm slot for sound outlet
- Dimensions: 500 x 625 x 85 mm
- Built-in depth: 73 mm

UNIT	ITEM NO
1 Stk	0025008

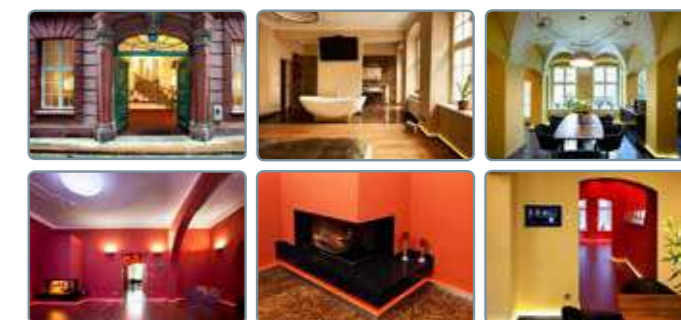
AMBIENTECH PROJECTS

MULTIMEDIA WALL



Drywall construction specialist Sonner GmbH based in Heitersheim Germany, is installing a multimedia wall in its showroom/conference room fitted with two AmbienTone panels and AmbientArt LED strips.

RENOVATION OF A HISTORICAL BUILDING FROM 1717



in-akustik, in cooperation with smart homes, is sponsoring a renovation project: it took almost a year to complete but now the project, which was the winner of our competition draw held in collaboration with the smart homes journal, is complete. The journal editors were on location to witness first-hand how a listed building can serve as the optimum location for AmbienTech



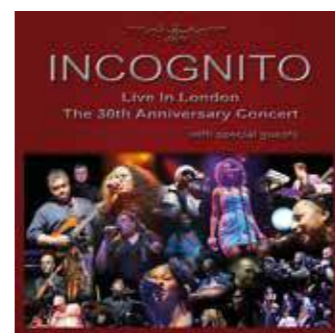
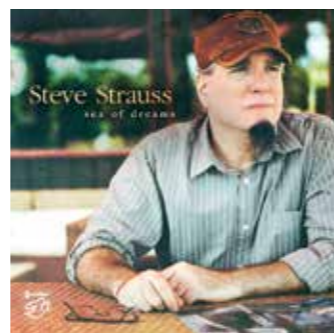
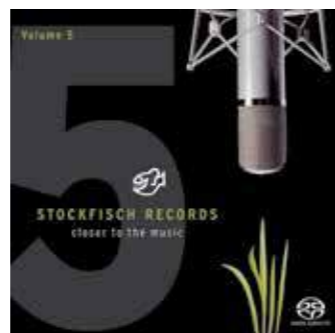
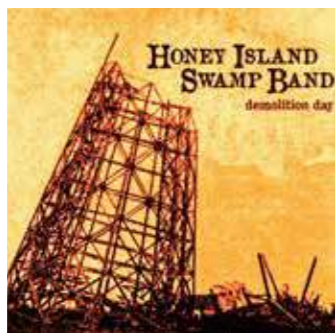
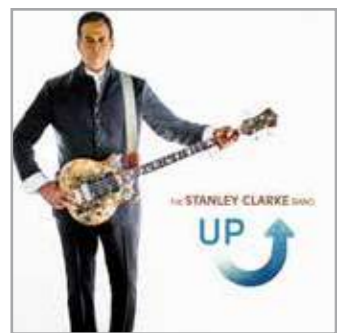
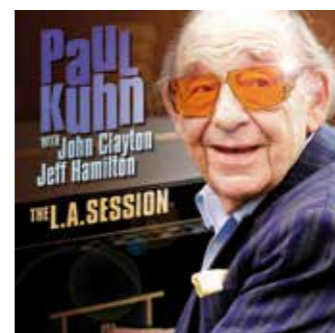
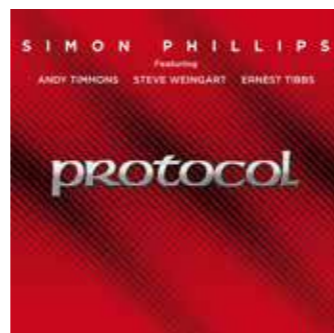
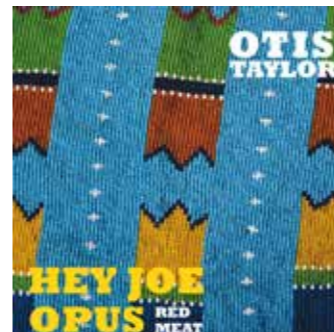
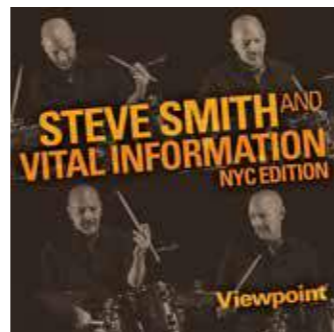
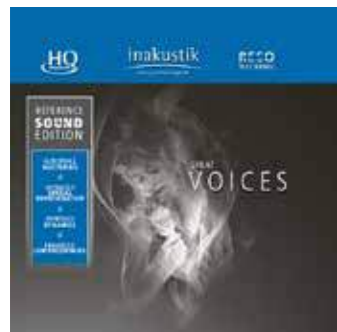
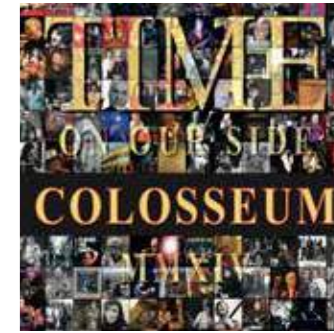
The highlights presented on the following pages as well as more than 13.000 other tracks can be found in the repertoire overview on [www.in-akustik.de](http://www.in-akustik.de)

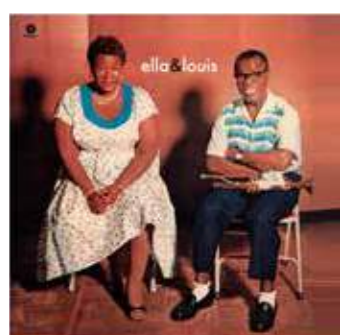
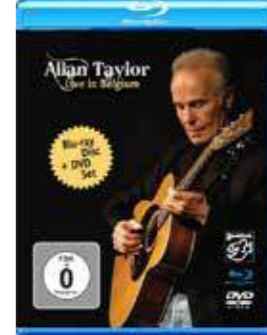
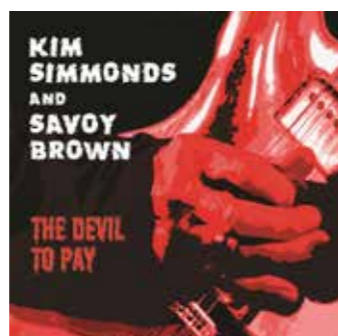


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- HIGHLIGHTS LP 126
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Our production team



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