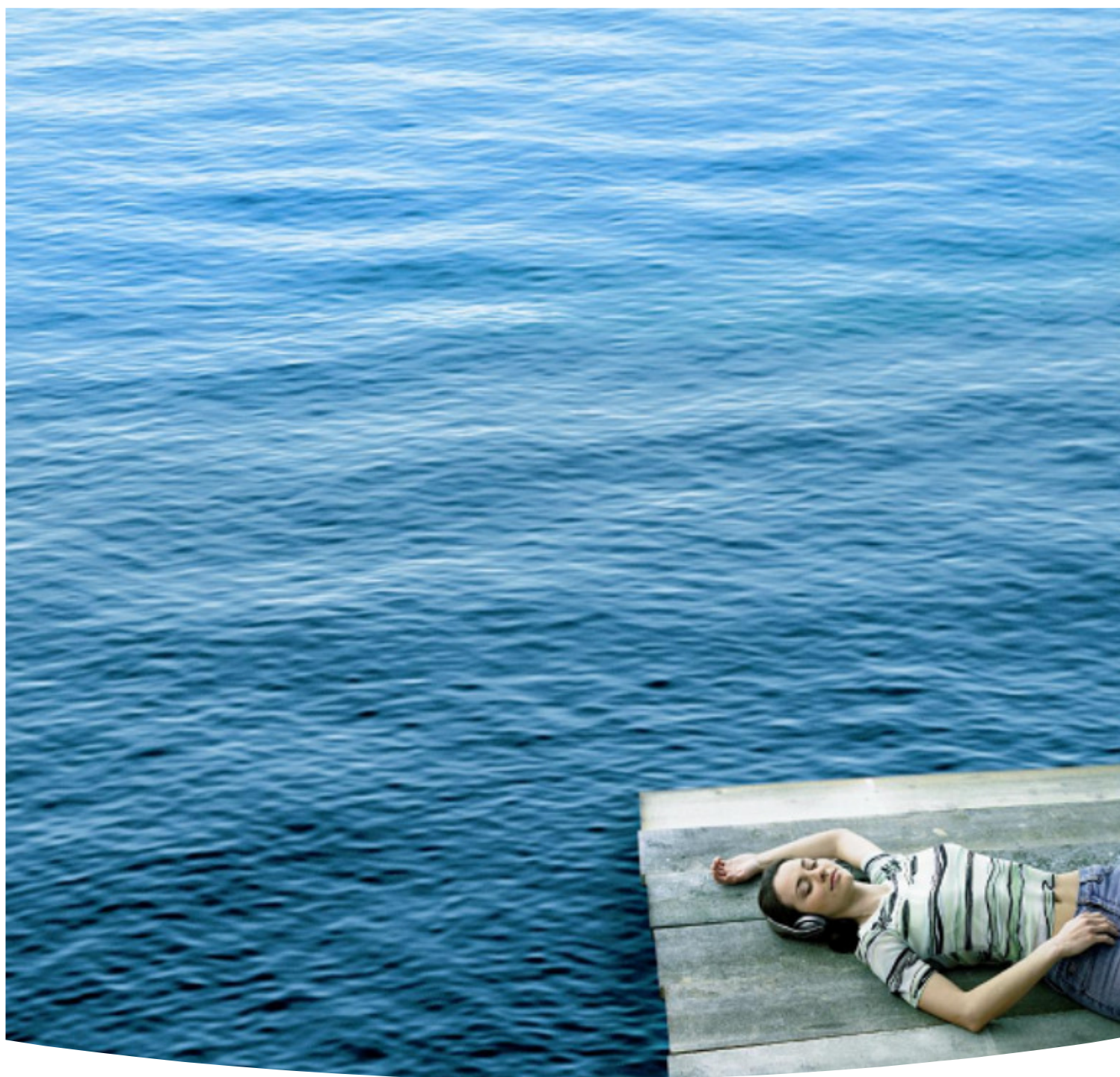


LS-1302 | NF-1302 Referenz

TECHNICAL DETAILS



inakustik

KABEL | LAUTSPRECHER | MUSIK

Our quality standards

REFERENZ

black&white reference - the in-akustik class for perfectionists. The benchmark for uncompromising sound experience. World leading value and price/performance ratio. Gets under your skin..

EXZELLEENZ

Excellence - the in-akustik class for discerning tastes. The finest materials, outstanding workmanship. With a passion for high end audio enjoyment

PREMIUM

Premium - the in-akustik class for state-of-the-art technology. Gets the most from your audio / video system. Built on a love of superior performance

STAR

Star - the in-akustik class for beginners with ambition. Always the right choice. More performance at lower cost. Striving to be better

A passionate family

in-akustik is a quality brand and respected around the world.. For more than 25 years in-akustik has put its heart and soul into the business of audio and video enjoyment. Perfect images and perfect fidelity are our passion. Made in Germany and always leading the way in value and incredible performance. With our own brand of CD and DVD labels, Focal home and car hifi loudspeakers and of course our cables, our family of products make passionate statements

Pleasure is passion experienced by the senses. Pleasure and passion know no compromises. When the wind section starts to build suspense, a vibrato dies away, the finely-interwoven lines of the bass pizzicato linger vividly in the air, the phrases of a Haydn symphony resound pointedly in your ear, the bass fills the room sonorously and powerfully . . . you feel a shiver down your spine, your stomach vibrates, even your soul opens its deepest cavities, colours explode inside your head.

But no more than a wonderful four-course meal in the city's best restaurant is worth nothing if the mousse and game tureen are served together or the pike-perch fillet is cold when it reaches the table, the same applies to sound: the way to pleasure must be short, precise and smooth.

Demanding recordings, perfect data carriers, players, amplifiers and speakers are precisely tuned and coordinated. But en route from the electronics to the amplifier, monitor or speakers, undesirable secondary noises join in and repress the dynamics. High frequencies disappear forever and to top it all, the bass starts to growl insipidly. So much for pleasure.

Cables and connections are susceptible to malfunctions. The difficult physical phenomena arising during the transport of signals can only be controlled via sophisticated technical expertise and the very best of materials. And this is the passion of black&white. No frills, no disguises. Real work down to the smallest detail using the very best materials. For pure sound pleasure. Especially using 02-Generation cables. This has been confirmed by independent tests all over the world. black&white from in-akustik sets the tone. The tone which flows to the pit of your stomach and the tips of your fingers and toes.

INTRO

COPPER	04
LS-1302 STRUCTURE	05
LS-1302 INSULATION	06
LS-1302 PRODUCT OVERVIEW	07
NF-1302 STRUCTURE	10
NF-1302 PRODUCT OVERVIEW	11

Physics for an amazing sound

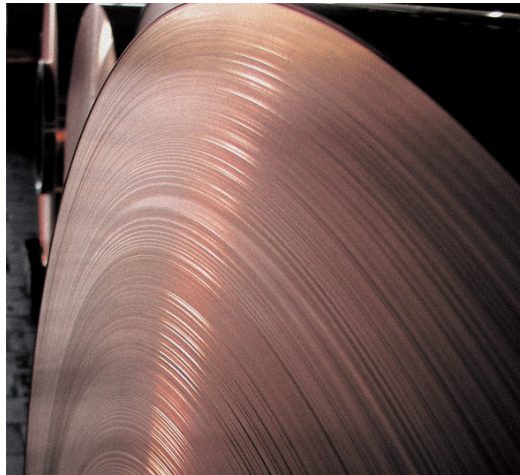
We already know that good food depends on two things: the quality of the ingredients and the skills of the cook. And it's no different when it comes to enjoying perfect sound. Good descriptions are one thing but where transport and reproduction of audio signals are involved, all the nice talk masks some complex physical phenomena – or "hot air". And we at in-akustik know a thing or two about physics. Like musicians perfect an instrument, we know our technology. And we keep an eye on the quality of our "ingredients". Filigree solutions and selected materials are what transform sound into an experience

Copper

A lesson in purity

The transmission of audio signals is susceptible to many problems: resistance, inductance, capacity, conductivity of the insulation and skin effect can all impair sound quality.

The material used in conductors is of great significance for any imperfection in the conductor material can prevent current flow, impair conductivity and increase background noise. That's why we only use particularly pure, oxygen-free, high-conductivity copper (OFHCC) for black&white cables. In our latest creation, the LS-1602, we even use high-purity mgc (medical-grade copper) with sensational conductivity values.



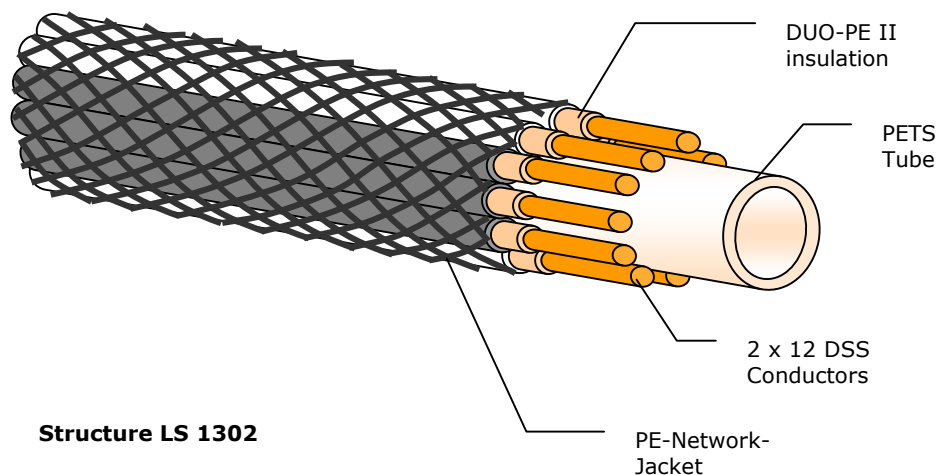
LS 1302 | Technology

The outstanding test results achieved by our new 02 cable family took many of people by surprise. But not us. The refined technology and specially selected material made the LS 1202 a "highlight" (stereoplay 08/2003). Thanks to its DSS solid conductor, oxygen-free copper and DUO-PE II insulation. The LS 1302 version now features a PE network jacket to protect against microvibrations and high capacitance. Miracles keep on repeating.

PE-Network Jacket

Tightly braided

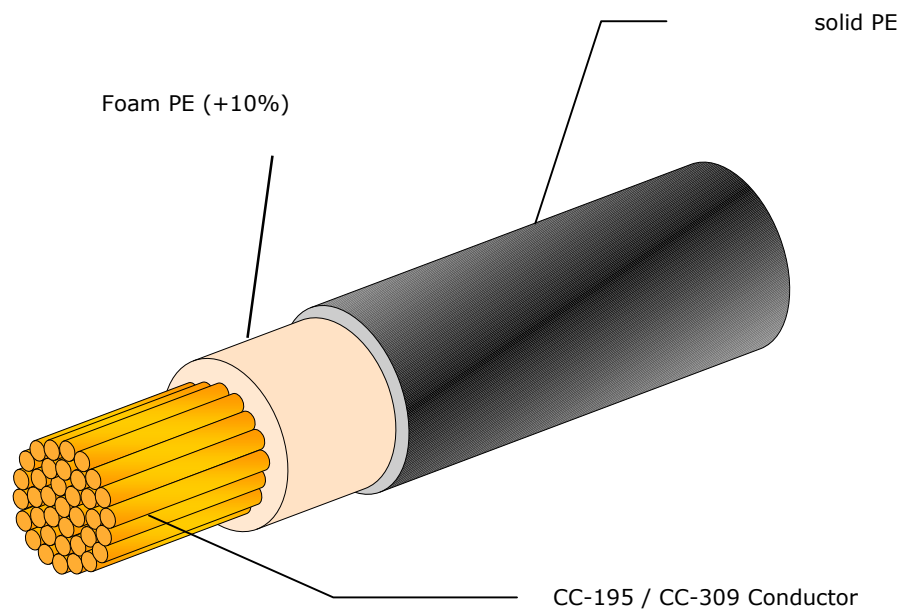
Each additional material used has a negative influence on the transmission of signals. Many cables have a PVC vest between the jacket braid and strands which has a negative influence on the electric parameters. Strands in black&white cables however are braided directly with the PE network jacket in a complex process. The cables therefore comprise two materials only: copper and PE. The PE network jacket is made of 24 x 4 mono filaments holding the strands together compactly. This reduces micro-vibrations and permits clean processing of extreme dynamic peaks



Insulator

Hot air

Good insulation material reduces interference. (So-called dielectric constants of insulation influence capacity.) Air is theoretically the best insulator but impractical owing to poor stability. An insulation was therefore developed for black&white which combines the advantages of both. It comprises two layers of polyethylene—an excellent insulator. The first layer is expanded with ten per cent more air than in the first generation and encloses the two strands. This is then enclosed within a second solid PE jacket providing the strands with even more stability. This DUO-PE II insulation prevents high capacities and facilitates the task of the amplifier.



Product overview

When the prophet comes to the mountain. The PE-Network jacket from our over-ground LS-1602 has proved itself. So we thought: Others should profit from this – and developed the LS-1302. Constructed in the same way as the LS-1202, a “highlight” in an independent test (Stereoplay 8/2003). But with a sophisticated cladding. That counts in your own country.

24 DSS solid conductors (Direct Signal Surface), for identical runtimes.

Oxygen-free OF copper.

DUO-PE II insulation for each strand.

Shaped around a PETS waveguide.

The best “insulation material”, air, in the core - for constant capacities.

Alternate arrangement of the conductors neutralises magnetic fields.

The PE Network Jacket reduces micro vibrations and capacity.

SPEAKER CABEL LS-1302		
ITEM NO.	DESIGNATION	CONNECTION
007 813321	LS-1302 2 x 3,0m SW	Easy Plug
007 8133211	LS-1302 2 x 3,0m SBW	Easy Plug
007 813322	LS-1302 2 x 3,0m SW	BFA
007 8133221	LS-1302 2 x 3,0m SBW	BFA
007 813323	LS-1302 2 x 3,0m SW	Kabelschuh 6/8mm
007 8133231	LS-1302 2 x 3,0m SBW	Kabelschuh 6/8mm
007 813323	LS-1302 2 x 3,0m SW	Screw Type
007 8133231	LS-1302 2 x 3,0m SBW	Screw Type





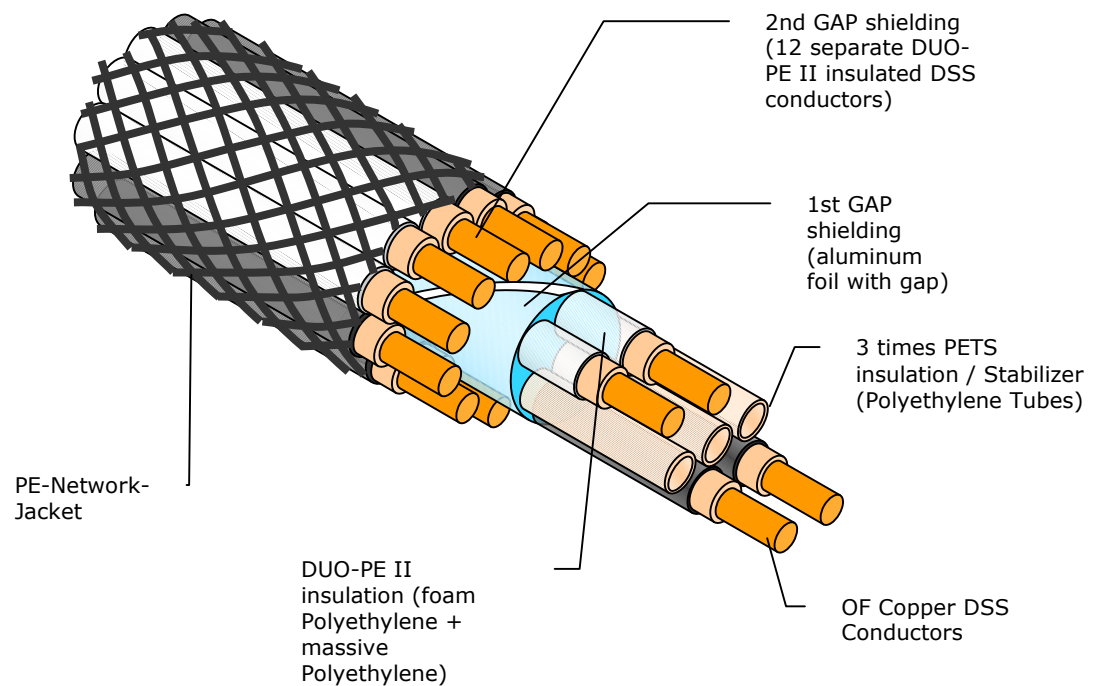
NF-1302

Audiokabel



NF 1302 | Technology

Makes the heart beat. As the cladding for speaker cable LS-1602 had such a positive effect on sound, we decided to splash out and provide audio cable NF-1202 (Stereoplay 08/2003: Highlight) with new cladding: It is now NF-1302 with a PE-Network Jacket. Four solid DSS conductors made from very pure OF copper precisely transmit even the smallest signal. From our quality class black&white reference. An affair of the heart.



Product overview

Four solid DSS conductors (Direct Signal Surface) ensure harmonious runtimes and precise playback even of high frequency ranges

Strands of very pure OF copper transmit even the finest sound signals exactly.

Wafer thin conductor for harmonious runtimes.

DUO-PE II insulation and three PETS cores with air insulation ensure against interfering capacities and secondary electric circuits.

The PE Network Jacket reduces micro vibrations and capacity.

GAP screening against eddy currents, for strength and dynamics.



AUDIO CABEL NF-1302

ITEM NO.	DESIGNATION	CONNECTION
007 841306	NF-1302 0,6m	RCA
007 841312	NF-1302 1,2m	RCA
007 8413063	NF-1302 0,6m	XLR
007 8413123	NF-1302 1,2m	XLR

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Note: All product illustrations are approximate. Specifications subject to change