

Cables

Tonearm cables

Interconnect cables

Speaker cables

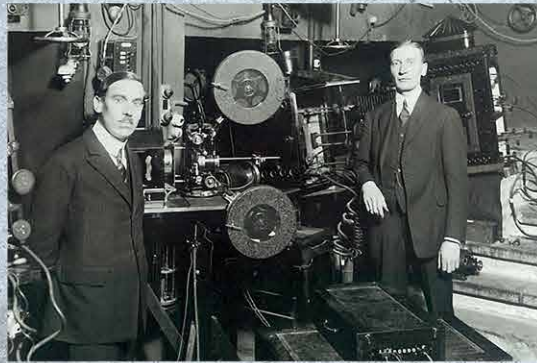


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Ortofon history

Ortofon continuous development since 1918

In 1918, Axel Petersen and Arnold Poulsen founded the Electrical Phono Film Company. Their aim was to explore the possibility of high-class recording and developing one of the first synchronized sound film systems in the world. After the Second World War they revolutionized the gramophone industry with a new cutting head and soon after realized that there was actually no existing pickup system that was able to reproduce the high sound quality the new cutting heads produced. That started the cartridge development that is still ongoing today. Over the years, Ortofon has developed many ground breaking technologies that were implemented in classics such as the SPU, SL 15, VMS 20, MC20 Super, Concorde, MC5000 and MC Jubilee.



Ortofon's audio cables are based on Japanese knowledge and tradition, dating back to the 8th century



In the year of 708, copper was melted for the first time in Japan. 37 years later the Japanese started to build their enormous "Buddha of Nara". It is 15.8 m (52.2 feet) tall and weighs 380 tons. It took 14 months to produce the molds and used no less than 449 tons of copper, 8.5 tons of tin, 2.5 tons of lead and 440 kg of gold. Copper's melting point is at 1083° C, and at that time the hottest source, charcoal, had a maximum temperature

of 800° C. With the new technology the temperature could be raised to 1000° C, and the melting point of copper was lowered by adding 2% tin: alloys were born.

It is this knowledge that Ortofon many years later - in 1980 – used when the company started to work with different metals' sound in the internal threads of cartridges. Through the 1980s, Ortofon expanded the experiments with different alloys, and achieved an unprecedented sound quality. In the late 1980s, Ortofon founded its Japanese subsidiary and obtained access to a more than 1000 years of tradition and know-how. The head of the newly formed subsidiary, had believed for a long time that the metal's purity had an impact on the sound that was transported through the coils of cartridges. Amongst others, Ortofon founded a cooperation with Dowa Mining, who was known for making ultra-pure copper (99.999999%), and PCOCC (Pure Crystal Ohno Continuous Casting) copper developed by Dr. Ohno from Chiba Institute of Technology. This unique molding process forms the copper crystals continuously without ruptures of any kind.

The positive experiences with replacing the coil threads in the cartridges with ultra-pure metals gave new inspiration, and the thoughts turned to interconnect and speaker cables that are longer than the 3 cm thread typically used in a MC cartridge. Together with a specialized high-quality audio cable manufacturer, HRMCS (Helical Round Multi Conductor System) cable was developed, which after many hours of listening was chosen as the best and the most neutral sound. Today Ortofon is known as a provider of a proven and recognized range of interconnect, speaker and specialty cables.



Tonearm cable
TSW-6000 Silver



Technical specifications

Construction:	Double shielded pure silver wire
Conductor material:	99.99% silver
Terminals:	Rhodium plated
Shield wire material:	Silver plated copper
Cable diameter:	Ø 10 mm
Length:	1.2 m

With increased focus on creating the best path for the low voltage signals from the cartridge, silver has been chosen to lower the impedance of the cable, which increases the conductivity of the cable. Together with the double high density shields, the signal from the cartridge has optimal conditions even though it is used in the real world.

The sound is focused and transparent, which is well known for silver cables, backed up with long lasting Rhodium plated terminals.

Tonearm cable
6NX-TSW-1010



Technical specifications

Conductor material:	High purity OFC
Terminals:	Rhodium plated
Cable diameter:	Ø 10 mm
Length:	1 x 1.2 m
Options:	6NX-TSW-1010 (straight 5 pin) 6NX-TSW-1010 L (L shape 5 pin) 6NX-TSW-1010 R (RCA terminal)

The low signals from the cartridge are very sensitive to electromagnetic induced noise from the outside world. Things like mobile phones and home appliances challenge the tonearm cable. With this focus, Ortofon engineers have made a cable comprised of 7 cores 5N/6N OFC with a tight shield surrounding the cores for optimum shielding against electrical radiated noise.

The -L option (Angled DIN to RCA) is used where space is an issue.

The -R option (RCA to RCA) is the ideal solution for connecting the MC Transformer and Phono pre-amplifier.

Interconnect cable
Reference 905 Silver



Reference 905 Silver RCA

Reference 905 Silver XLR

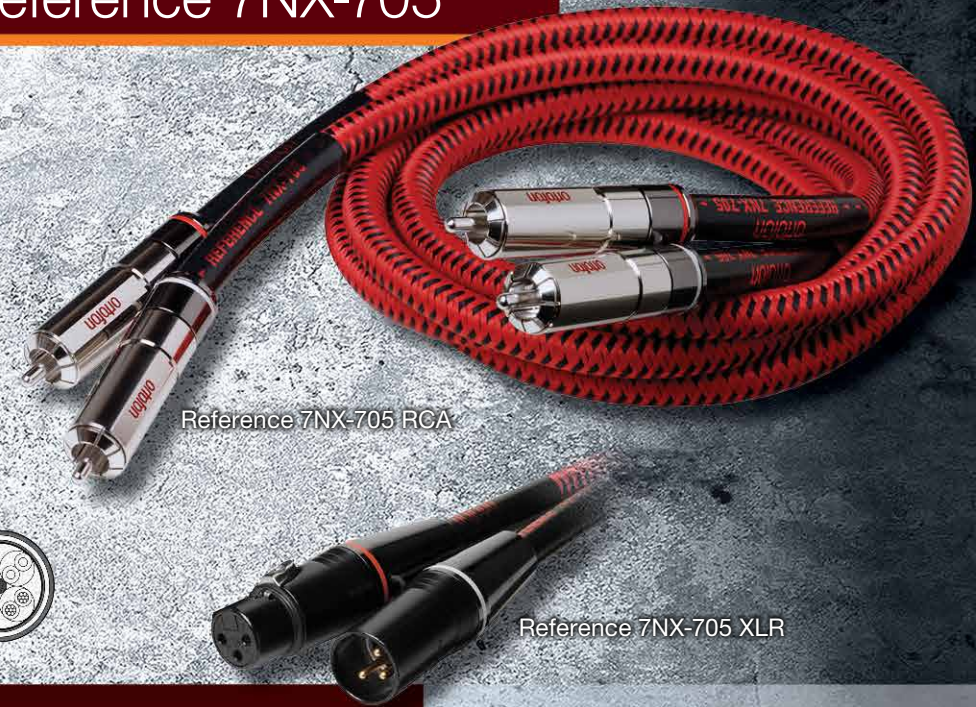
Technical specifications

Conductor size:	2 x 1.76 mm ²
Conductor material:	Pure silver wire, silver plated wire, OFC
Conductor details:	7 x 0.32 mm
Terminals:	RCA: Rhodium plated XLR: Gold plated
DC resistance:	13.5 Ω/km
DC shield resistance:	300 V/1 min
Shield:	16 x 10/0.1 mm
Insulation:	Polyethylene, PVC
Cable diameter:	Ø 10 mm
Length:	2 x 1.0 m
Options:	Reference 905 Silver RCA Reference 905 Silver XLR

It is well known that silver adds focus and transparency to the sound, which mixed together with OFC in the correct proportions adds detail to the sound picture which often goes unseen.

Swiss professional recording engineers have praised the tonal quality as being clear and transparent. The cable uses 76 pure silver cores, silver wires and OFC, which is very rare among audio cables.

Interconnect cable
Reference 7NX-705



Reference 7NX-705 RCA

Reference 7NX-705 XLR

Technical specifications

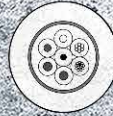
Conductor size:	2 x 2.00 mm ²
Conductor material:	7N OFC, OFC
Conductor details:	1/0.8, 7/0.322/0.18, 18/0.18 and 61/0.1
Terminals:	RCA: Rhodium plated XLR: Gold plated
DC resistance:	9.6 mΩ/km
Capacity:	448 pF/m
Shield:	16/10/0.1 mm
Insulation:	Polyethylene, PVC
Cable diameter:	Ø 9.4 mm
Terminal RCA:	Ø 13.5 mm
Length:	1.0 m
Options:	Reference 7NX-705 RCA Reference 7NX-705 XLR

The cable-sleeve's red color is the only thing that makes the 7NX-705 visible and compliments the Ortofon colors perfectly.

The sound is neutral and precise, with a precision in the bass that is unbeaten and voices that stand absolutely clear and with a sharp well defined room.

Using the same technology as the 7NX-X1, this state-of-the-art cable mixes 7N high purity copper wire and 4 OFC wires together into a masterpiece.

Interconnect cable
Reference 6NX-605



Technical specifications

Conductor size:	1 x 1.46 mm ²
Conductor material:	6N OFC, OFC
Conductor details:	1/0.5, 7/0.26, 1/0.18, 11/0.18, 20/0.12, 30/0.1 and 30/0.08
Terminals:	Gold plated
DC resistance:	12.9 mΩ/m
Capacity:	639 pF/m
Shield:	16/10/0.1 mm
Insulation:	Polyethylene, PVC
Cable diameter:	Ø 9 mm
Terminal RCA:	Ø 13.5 mm
Length:	1.0 m or 1.5 m

Defining the bottom range of "Accuracy in Sound", this cable states that even for a lower price, there is a lot to gain from Ortofon's Helical Round Multi Conductor technology.

Signal conductors are made of 6N high purity copper wires in combination with 6 various sized OFC wires.

The sound is relaxed and would be a great addition to any audio equipment but will suit your CD player very well.

Interconnect cable
Reference 5NX-505



Technical specifications

Conductor:	OFC: 1 x 0.5 dia. OFC: 7 x 0.32 dia. HiFC™: 28 x 0.12 dia.
Cable diameter:	7.5 mm dia.
RCA Plug:	12.0 mm dia.
Resistance:	Less than 23.5 mΩ/m
Capacitance:	705 pF/m
RCA Plug:	Gold plated center pin
Jacket:	Polyurethane Elastomer
Features:	- High performance and high-purity oxygen-free copper wire - Softness and long-life bending fatigue - High conductivity (> 101% IACS)

The Ortofon new High-fidelity cable for pure sound signal transmission with high-energy efficiency.

High performance pure copper HiFC™ is a new variation of pure copper, developed by Hitachi. HiFC™ has various advantages, including similar sonic characteristics as high-purity 6N copper (approximately 99.9999%).

HiFC™ is produced by continuous casting and hot-rolling. Its special characteristic is achieved by adding trace amounts of titanium into the copper.

Interconnect cable

Reference 6NX-MPR 30

Reference 6NX-MPR 30 m/m



Reference 6NX-MPR 30 m/RCA

Technical specifications

Conductor material: 6N OFC
 Length: 1.2 m
 DC resistance: 4.8 mΩ/m
 Options:
 Reference 6NX-MPR 30 m/m
 Reference 6NX-MPR 30 m/RCA

More and more audio equipment is portable with only a mini-jack connector available. These devices often are used with a poor standard cable, and could benefit greatly from a high quality cable terminated with quality connectors on both ends.

The cable is composed of 6N (99.9999%) high purity copper and PCOCC, and the terminals are gold plated on a solid brass body. They can be ordered with two connectors choices: mini-jack/mini-jack and mini-jack/RCA.

Speaker cable

SPK-3900Q Silver



Technical specifications

Conductor size: 4 x 1.3 mm²
 Conductor material: Silver plated OFC
 Conductor details: 2 x 16/0.32 and 2 x 24/0.26
 DC resistance: 14.5 mΩ/m
 Insulation resistance: 1,000 V/min
 Shield: 16x9/0.12 mm
 Insulation: Polyethylene, PVC
 Cable diameter: Ø 9.0 mm
 Length: 50 m/roll

The SPK-3900Q is an excellent cable packed with Ortofon's technology and knowledge. The original sound is accurately delivered from low to high frequencies with sparkling tonality.

The four wires are composed of two pairs with one wire of 16 thicker cores and the other wire of 24 thinner cores. All cores are made of silver plated OFC and surrounding all four wires is a 128 core tin plated shield that completely eliminates electromagnetic inducted noise from other kinds of electrical equipment.

The sound is clear and defined, and the construction of the cable makes it ideal for bi-wiring or bi-amping.

Speaker cable
SPK-3100 Silver



Technical specifications

Conductor size:	2 x 1.3 mm ²
Conductor material:	Silver plated OFC
Conductor details:	24 x 0.24
DC resistance:	< 14.5 Ω/km
Insulation resistance:	1,000 V/min
Shield:	16x9/0.12 mm
Insulation:	Polyethylene, PVC
Cable diameter:	Ø 8.0 mm
Length:	50 m/roll

Listening to this modest cable will open your eyes and ears and move the barrier of what can be achieved by such a small cable. Because of silver's low resistance, this cable helps the speaker to perform better and more responsively. This perfect combination of OFC and silver sounds astonishing and would be a great benefit to the sound of even low end audio equipment.

This zinc plated copper mesh shield reduces electromagnetic induced noise.

Speaker cable
Reference SPK-400



Technical specifications

Conductor size:	4 x 2.9 mm ²
Conductor material:	Silver plated OFC, PCCOC, OFC
Conductor details:	7/0.26/4, 2/0.12/45 and 7/0.26
DC resistance:	< 3 Ω/km
Insulation resistance:	500 V/min
Shield:	16x10/0.1 mm
Insulation:	Polyethylene, PVC
Cable diameter:	Ø 13.5 mm
Length:	40 m/roll

With its four separated wires, where each is made of a perfect mix of silver plated OFC, PCCOC and OFC, this cable is optimized for either bi-wiring or for combining the wire two by two, to double the conductor area. This lowers the impedance of the cable, which responds faster and thereby sounds more clear and neutral in the entire frequency span.

Each wire is made of 125 cores of different material and thickness to enhance the properties from each core. All four wires are surrounded by a high density shield to eliminate environmental noise from other kinds of electrical equipment.

Speaker cable
Reference SPK-200

Speaker cable
Reference SPK-50



Technical specifications

Conductor size:	2 x 2.9 mm ²
Conductor material:	Silver plated OFC, PCOCC, OFC
Conductor details:	7/0.26/4, 2/45/0.12 and 4/7/0.26
DC resistance:	< 5.9 Ω/km
Insulation resistance:	500 V/min
Shield:	16x10/0.1 mm
Insulation:	Polyethylene, PVC
Cable diameter:	Ø 11 mm
Length:	40 m/roll

Using the same technology as the SPK-400 cable, this "little brother" only has two wires of 2.9 mm². Besides the obvious differences, like lower price and smaller diameter, this cable is ideal for the less demanding listener or the high demanding listener that prefers two single cable for his bi-amping setup. The advantage for this setup is that the shield can be connected to each amp and therefore doesn't mix up the ground potentials of the two separated amps.

Technical specifications

Conductor:	OFC: 1 x 0.5 dia. OFC: 7 x 0.32 dia. HiFC™: 20 x 0.18 dia.
Conductor cut section:	2 x 1.27 mm ²
Cable diameter:	8.0 mm dia.
Jacket:	Polyurethane Elastomer

High performance pure copper HiFC™ is a new variation of pure copper, developed by Hitachi. HiFC™ has various advantages, including similar sonic characteristics as high-purity 6N copper (approximately 99.9999%). HiFC™ is produced by continuous casting and hot-rolling. Its special characteristic is achieved by adding trace amounts of titanium into the copper.



Get more information about
Ortofon cables on our website.

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