FIBBR

PRODUCT MANUAL

A Leader in Intelligent Audio/Video Solutions

www.fibbr.com

CONTENTS

FAST

It took only six years for FIBBR to transcend from a startup to one of the preeminent cable manufacturers in the audio-video world. That's fast even in the every- changing A/V world.

BEST

We strive to develop cables that are faster, more durable and more dependable with greater longevity. In other words, we want our cables to be the best, and our team of dedicated executives, engineers and designers are committed to that.

INNOVATION

We explore, we challenge ourselves and we strive to create products and meet needs others deem unobtainable. That is Innovation, and innovation is a centerpiece of our mission.

BRILLIANCE

There are many great companies in the A/V world, yet we continue to shine with the brilliance of a star, thanks to the quality of our products, the effectiveness of our business model and innovations such as the world's first certified 8K HDMI 2.1 Active Optical Cable for home theater applications.

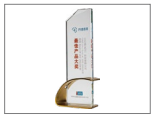
BRAND INTRODUCTION

As a well-known Chinese brand in the terminal interconnection industry, FIBBR is dedicated to delivering efficient signal transmission solutions using optical fibers, an exciting new medium. FIBBR is a pioneer in the field of optical cables for the global consumer electronics industry, boasting a full range of products that includes HDMI, DP, USB, adapter cables, and audio cables. This covers a wide number of application areas including commercial engineering, video entertainment, e-sports, and VR. The products are sold in major markets throughout the world. After years of development, FIBBR has built up a solid reputation, won important industry awards at home and abroad, and become an industry leader in terms of technical innovation.

ROBUST

Our customers depend on our cables to deliver dependable premium performance today, tomorrow and into the future. That's why we design them not only to deliver robust longevity, but also stable, robust performance.

HONORS AND AWARDS



More...

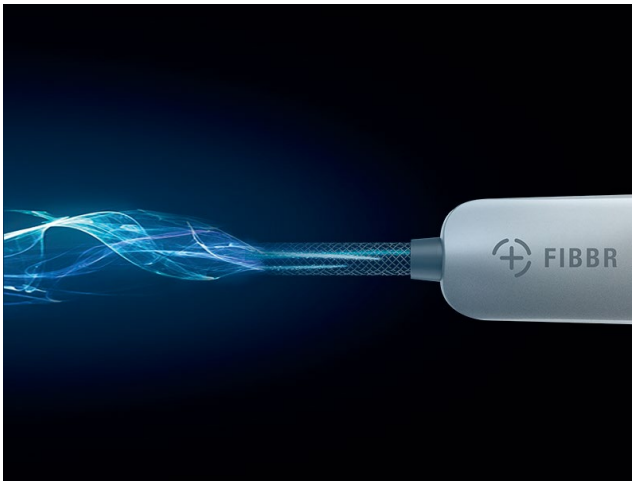
Long distance transmission,
the signal has always been the same

With the increasing popularity of high rate BitStream files, smart home/customized cinemas have created new requirements for the length of interconnections. As a result, achieving high-rate, long-distance digital signal transmission through new technical innovations has become an important area of development.
Optical fiber as the carrier, with active Optical-Electrical conversion of the new cable for data transmission - Fiber Optic HDMI/USB/DVI/DP Cable , is the best choice for now.

* The following advantages are based on HDMI cable.

01 / The best choice for long-distance transmission

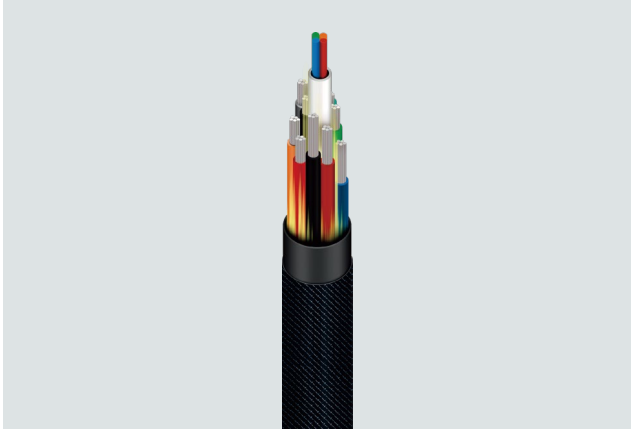
- Taking copper wire as the medium, the traditional HDMI cable may not be stable due to the insufficient speed during the 8K transmission, frame loss, color distortion and frequent video smearing occur. When the transmission distance is too long (exceeding 10 m), bandwidth will be narrowed, so it can not realize the effective transmission.
- FIBBR takes fiber as the medium, its theoretical transmission distance can be up to 300m. The selected high quality BendRobust specialty fiber with a signal attenuation of less than 0.0035dB/m, stable transfer of 56Gbps, true 8K (7680 × 4320 resolution and 120fps), video signals and up to 32 channels and up to 1536kHz sampled audio signal, is the best choice for the current long-distance 8K transmission.



Optical fiber as a carrier, with lossless conversion, long-distance optical transmission, almost 0 attenuation, stable performance through the Optical-Electrical conversion engine.

02 / No fear of electromagnetic interference, only for the original sound replay

- Class fiber transmission is non-conductive, free from the electromagnetic interference, so optical fiber has a stronger anti-interference ability, no need to worry about other equipment on the screen interference while connection.
- For home theater applications, very low background noise (noise floor) is to ensure the accuracy of the audio signal transmission and high reproduction (the reproduction of details), and to achieve a true original audio replay. With good anti-interference ability, the gamers can easily cope with any fierce confrontation, in order to create a completely immersive sense.



FIBBR optical fiber HDMI cable structure diagram. Optical fiber transmission has advantages of no radiation,interference and without shielding.

03 / Thinner, softer and lighter, making home wiring easier

- Compared to copper cable, FIBBR optical fiber HDMI cable's weight and size can be reduced up to 60%.
- It has the smallest bend radius of only 20mm, occupying a very small space, so that wiring becomes easier, more convenient, its reliability has been greatly enhanced; body weight reduction also avoids the traditional HDMI cable may be Damage caused by the connector while connected to the device (heavey cable makes itself fall and port distortion). The use of BendRobust's specialty flex-bent fiber makes FIBBR fiber HDMI cables easier to bend than copper (180° bendable) without worrying about the stability of the signal transmission.

BendRobust specialty fiber bent into the pen cap, the cable is intact.

04 / European and American safety/environmental protection certification

- FIBBR active fiber optic cable has passed CE, FCC and RoHS safety/ environmental certification, it can be legally sold to Europe and the United States.

CE (European certification) means that the product lines with the relevant directives of the European Commission, and has completed the corresponding assessment procedures.

Electronic products into the US market must be for testing by authorized laboratory referring to FCC (Federal Communications Commission) technical standards.

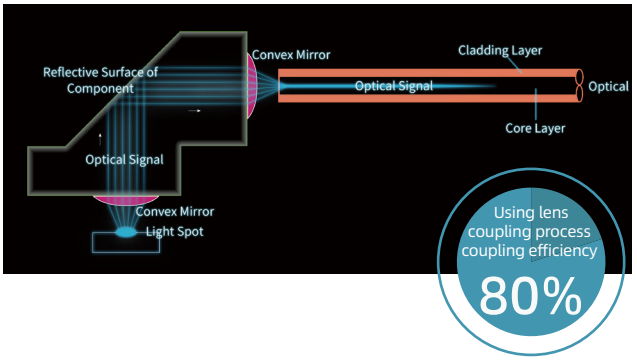
RoHS (Restriction of Hazardous Substances Directive) is an environmental directive passed by the European Union that requires the elimination of six hazardous substances in electrical and electronic products.

CORE ADVANTAGES

01 / Lens Coupling Process

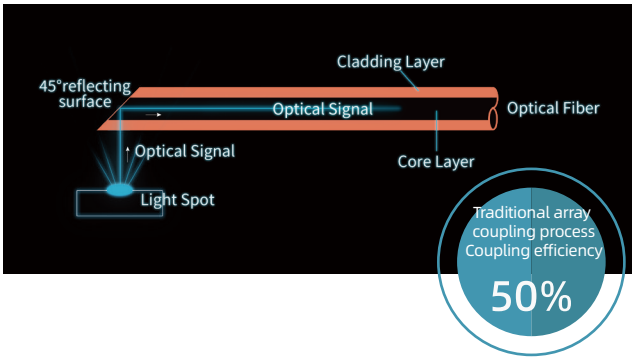
A Using lens coupling process

The light is focused by the lens, and the optical signal is directly reflected to the fiber core layer, which avoids the loss of light by the cladding; At the same time, the operation of the optical transmitter under normal power will also extend its service life. This advanced assembly process makes the optical signal transmission close to a lossless state, so that the final image can maintain the clearest picture quality.



B Traditional array coupling process

The traditional optical fiber is assembled with array coupling technique: The optical signal can hardly focus, and has to penetrate fiber cladding, resulting in over 50% single-ended optical signal loss and significant reduction of picture quality. At the same time, optical transmitter has to work in a high-power state according to the process, which makes optical device aged earlier, further causing instability in signal transmission, as well as a short life and excessive consumption of optical fiber wires.



02 / Self-developed Core Chip

Original Multi-Protocol Compatibility

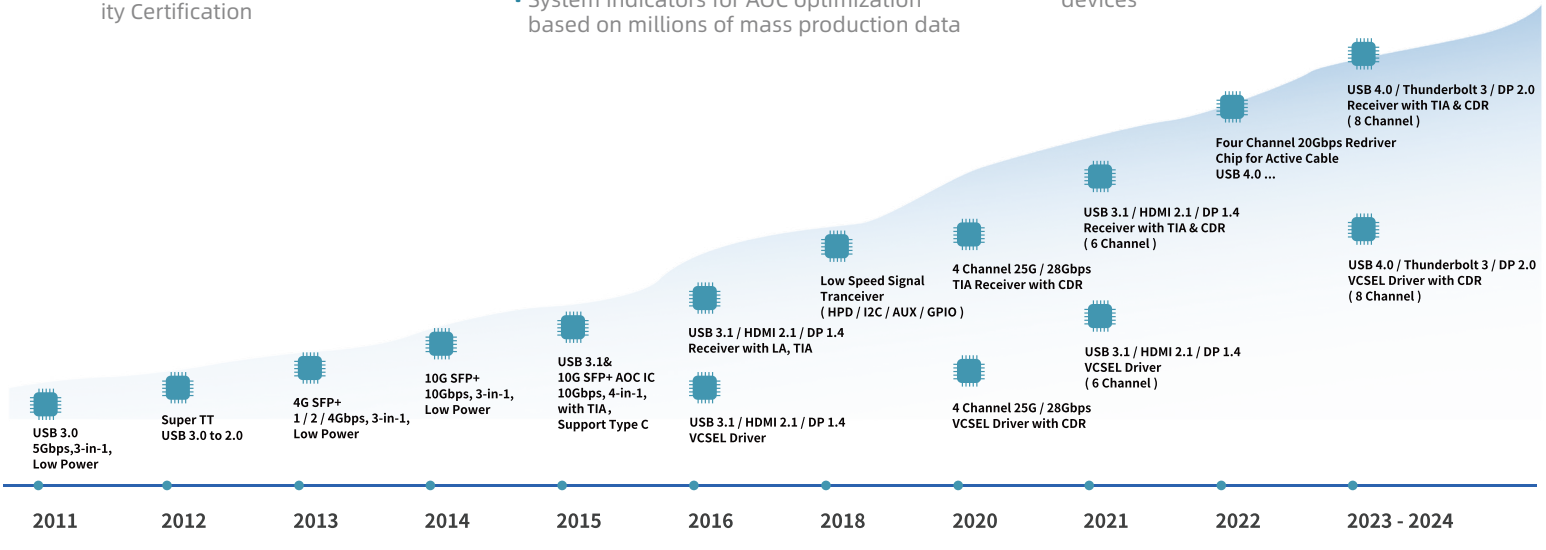
- Original USB, DP, HDMI, PCIe Multi-Protocol Compatibility
- Hardware and software converged architecture, easy to maintain and upgrade
- The world's first AOC chip that has passed the international Compatibility Certification

Original Double Laminated And Low Power Consumption Technology

- Original double laminated structure ensures 100% power efficiency
- Use signal instead of electricity technology, no separate input power required
- Fully customized low-power device, saving up to 30% power consumption
- System indicators for AOC optimization based on millions of mass production data

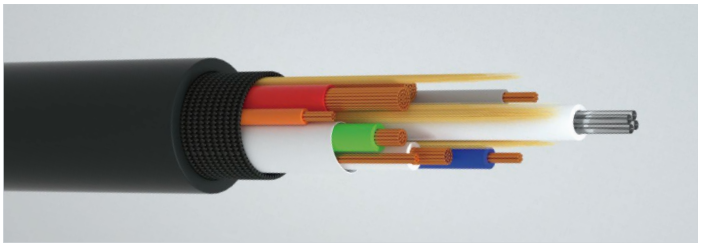
Innovative High Integration Design

- Standard cmos process + semi-custom unit
- Receiving, sending and controller are fully integrated
- 6-channel design; crystal-free design
- Supports both discrete and array optic devices



03 / BendRobust® Optical Fiber

- A BendRobust® Multimode Optical Fiber Customized by YOFC
- B Everpro (FIBBR's parent company) Exclusive
- C Special 3M（Minnesota Mining and Manufacturing Company）Coating



04 / State Key Laboratory of Optical Fiber and Cable Manufacture Technology

Normal Optical Fiber

- Application: Long Haul Telecommunication
- Easy to break and need to well protect

Bend Insensitive Fiber

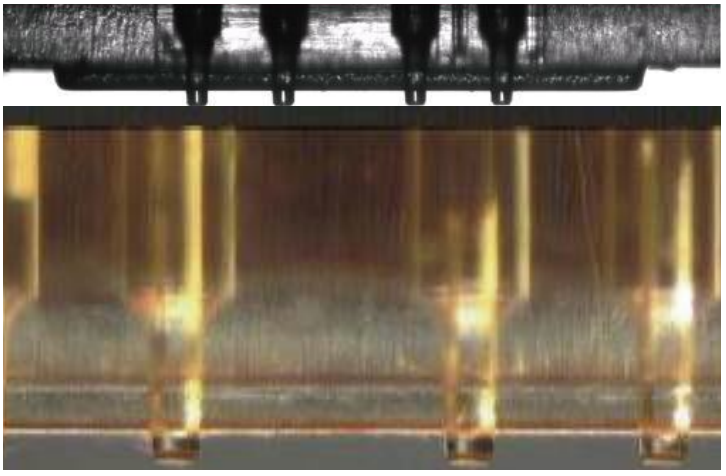
- Application: Data center
- Keep good performance under reasonable bending condition

BendRobust® Optical Fiber

- Application: Consumer and Industrial Electronics
- Durability and performance in tough environments

05 / Laser Cleaving Process

FIBBR cables are pre-cut by laser cleaving machines, and each fiber is cut smooth and flat, ensuring the highest levels of safety and reliability, as well as a lifetime of trouble-free operation.



A

Faster and more reliable, the cleave spot is extremely small and the energy density is high.

B

The dimensional accuracy can reach micrometre, and the endface is smooth and flat.

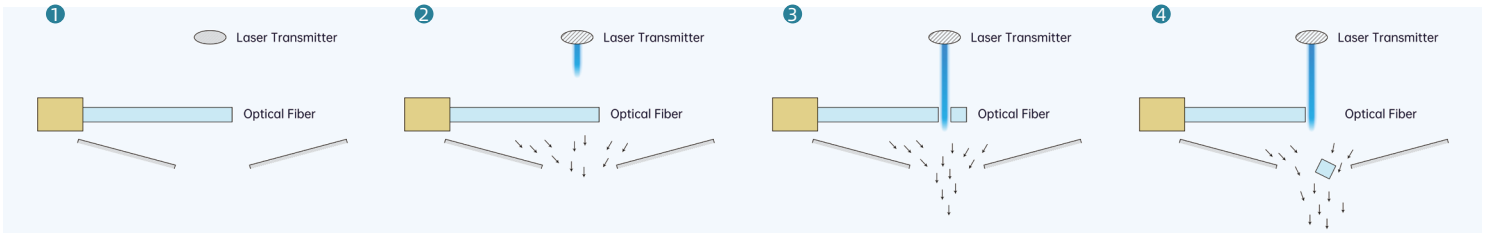
C

Non-contact cleaves, no abrasive consumable cost, and high first pass yield.

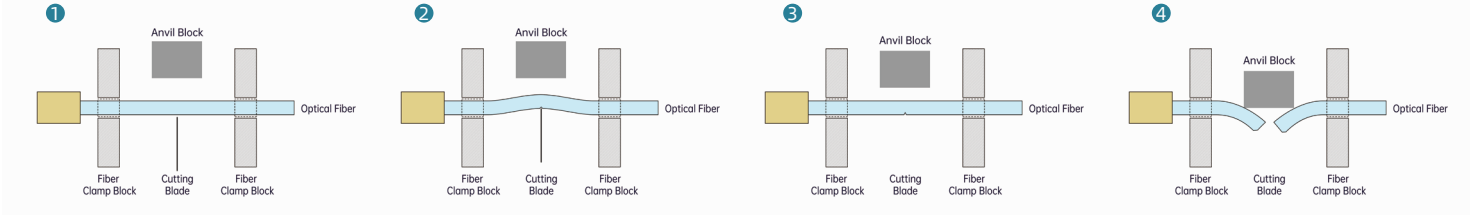
D

The fiber cleaving process is completely numerically controlled, and multi-angle cleaving requirements can be achieved by adjusting parameters.

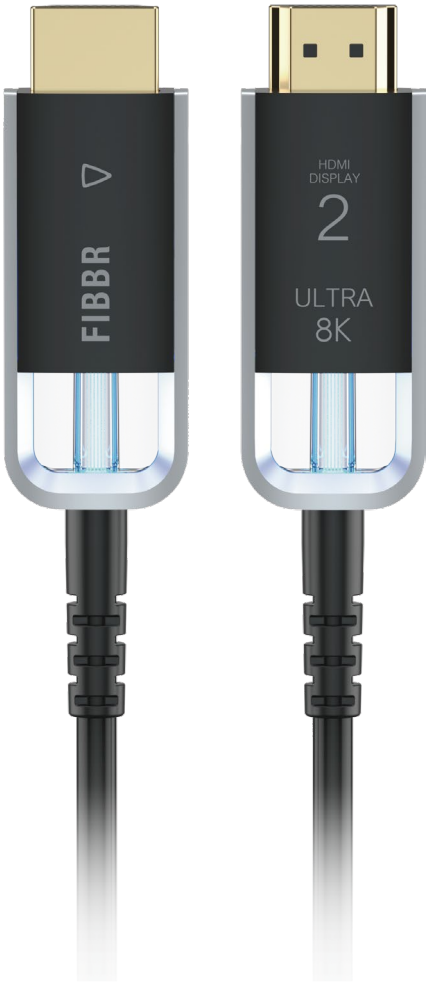
A FIBBR Million Class Laser Cleaving Machine



B Mechanical Optical Fiber Cleaver



PRODUCT DISPLAY



FIBBR Ultra 8K II · 8K HDMI Fiber Optic Cable

FIBBR Ultra 8K II · 8K HDMI Fiber Optic Cable

The connector features a built-in FIBBR high-performance chip FH20t/FH20r. The bandwidth has been upgraded from 48Gbps to 56Gbps, nearly 17% higher than the HDMI ® 2.1 Specification. Sufficient margin can eliminate frame loss, frequency reduction or obstruction due to signal peak transmission, as well as ensure high speeds and stability. FIBBR Ultra 8K II cable is an advanced product with a forward-looking design for high-end customized cinemas.

EIGHT MAJOR FEATURES

01/High Speeds with Zero Obstructions

Featuring our own high-performance chips, brand new photoelectric conversion engines, and 56Gbps super bandwidth, far higher than the 48Gbps specified in the HDMI ® 2.1 Specification. Larger bandwidth offers sufficient margin to ensure high speeds, as well as unobstructed and stable transmission.

02/Smooth Ultra-HD

Supports 8K resolutions operating at 60Hz, and 4K up to 120Hz, while ensuring bright colors, and clear pictures with no delays or buffering.

03/Authorized Certification

The product has been awarded official certification for HDMI® 2.1 UHS Cables , supports HDMI 2.1 functions including HDR, ALLM, VRR, QFT, QMS and eARC, and ensures the highest quality.

04/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

05/Stable Performance

Suitable for a wide range of operating/storage temperatures: -20~70℃/ -40~85 ℃. Both cold- and heat-resistant, it remains highly stable even in extreme environments.

06/Easy to Use

The chip is designed with 220mW of ultra-low power, with no need for an additional power supply or other source to support its PCA functions. This demonstrates the full advantages of plug and play.

07/Security

The chip and the module add support for dual electrostatic protection, have passed electrostatic discharge immunity testing, and can minimize electromagnetic interference or damage to circuit devices. TVS tube overload protection on the photo-electric conversion module effectively suppresses any overload pulses caused by the power grid, and protects all components of the rectifier bridge and the load.

08/ Ingenious Design

Mr. Ernest To, a senior industrial designer from Philips and recipient of the Red Dot Design Award, was invited specially to design this product. The exterior features a hollow transparent window and an intelligent indicator light: high-end, classy and full of innovation. The material used for the interior wire core can be clearly observed, while the real-time interconnection status of the wire can be checked visually by the light. The product is made to the highest standards of craftsmanship, highlighting the coexistence of an aesthetically-pleasing exterior with a technical-ly-advanced interior.

SPECIFICATION PARAMETERS

Industry Standard: HDMI 2.1	Interface: HDMI type-A to type-A
Bandwidth: 56Gbps	Resolution: 8K@60Hz、4K@120Hz and 10K@120Hz DSC UHD display
Power: No external power supply needed	Cable Length: 1/2/3/8/10/15/20m
Cable Diameter: 4.4mm	Connector Material: Zinc alloy
Fiber/Copper Wire Spec: 4-core optical fiber + 8 copper wires	Outer Jacket: Black TPU
Minimum Bending Radius (dynamic/static): 20mm/10mm	Tensile Strength(long-term/short-term): 100N/200N
Compressive Strength (long-term/short-term): 200N/400N	Operating Temperature: -20~70℃
Storage Temperature: -40~85℃	

FIBBR Pure 3 · 8K HDMI Fiber Optic Cable

FIBBR Pure 3 · 8K HDMI Fiber Optic Cable

The zinc alloy shell made of piano baking varnish looks both exquisite and elegant, and provides outstanding heat dissipation qualities. With its 48Gbps ultra-high bandwidth, the cable supports 8K resolutions operating at 60Hz for perfect picture quality. It also supports the BT2020 color gamut and variable refresh rate (VRR), ensuring brilliant colors and a smooth look and feel, allowing you to enjoy the videos of the future, today. This cable is also the world's first active optical fiber product to receive official HDMI ® 2.1 UHS Cable certification in the field of home theater.

FIVE MAJOR FEATURES

01/Smooth Ultra-HD

Supports 8K resolutions operating at 60Hz and 4K resolutions operating at 120Hz, with added support for HDMI2.1 high-performance interfaces such as HDR, ALLM, VRR, QFT, QMS and eARC with no delays or buffering, thus ensuring clear, smooth pictures.

02/ High Speeds with Zero Obstructions

The high-end chip, designed in Germany, is used. The cable's bandwidth supports up to 48Gbps, which enables rapid transmission of a huge amount of information.

03/Authorized Certification

Awarded official certification for HDMI® 2.1 UHS Cable. It demonstrates outstanding quality and performance, and is also the world's first active optical fiber product to receive official HDMI ® 2.1 UHS Cable certification in the field of home theater.

04/Refined Taste

The zinc alloy shell made of piano baking varnish looks both exquisite and elegant, and provides outstanding heat dissipation qualities. It also exhibits good resistance to pollutants, corrosion, pressure and wear.

05/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

SPECIFICATION PARAMETERS

Industry Standard: HDMI 2.1	Interface: HDMI type-A to type-A
Bandwidth: 48Gbps	Resolution: 8K@60Hz、4K@120Hz and 10K@120Hz DSC UHD display
Power: No external power supply needed	Power Consumption: 250mW
Cable Length: 1.5/2/3/5/10/15/20/25/30m	Cable Diameter: 4.8mm
Connector Material: Zinc alloy + piano lacquered	Fiber Wire Spec: 4-core optical fiber
Outer Jacket: Black PVC	Minimum Bending Radius (dynamic/static): 20mm/10mm
Tensile Strength(long-term/short-term): 100N/200N	Compressive Strength (long-term/short-term): 200N/400N
Operating Temperature: 0~50℃	Storage Temperature: -20~70℃

FIBBR Snowflake · 8K HDMI Ultra High Speed Cable

FIBBR Snowflake · 8K HDMI Ultra High Speed Cable

Carefully selected professional-grade silver-plated copper conductor is used, which demonstrates good electrical and thermal conductivity, as well as resistance to corrosion and high temperature oxidation. It also effectively shields against interference to ensure high fidelity. The color of the transmitted picture is fuller, with richer shadows and a more detailed resolution. The sound will have better submergence depth and detailed representation, bringing a fully immersive audio-visual experience to the audience.

FIVE MAJOR FEATURES

01/Authorized Certification

After a strict process of examination, the product received official certification for HDMI® 2.1 UHS Cable. This demonstrates its outstanding performance and guarantees quality.

02/Exquisite Design

The zinc alloy shell is made using a die-casting process, and is moisture-proof, wear-resistant and shock-proof. The original ice crystal texture contains UV technology, giving it a shiny, three-dimensional finish.

03/Smooth Ultra-HD

48 Gbps high bandwidth, supports 8K resolutions operating at 60Hz and 4K resolutions operating at 120Hz, with added support for HDMI2.1 high-performance interfaces such as HDR, ALLM, VRR, QFT, QMS and eARC, with no delays or buffering, thus ensuring clear, smooth pictures.

04/ High Fidelity

Carefully selected professional-grade silver-plated copper conductor is used, which demonstrates good electrical and thermal conductivity, as well as resistance to corrosion and high temperature oxidation. It also effectively shields against interference to ensure high fidelity. Natural sounds will be free of rendering.

05/Stable and Durable

The outer layer of the wire core is covered with a layer of foamed PE insulation, equipped with grounded signal wire shielded by dual-layer aluminum foil and isolated using tinned copper braid. The shell is made of environmentally-friendly PVC, tightly woven with fish-scale PET silk and nylon. This combined structure ensures good resistance to pressure, bending, wear, and heat, and makes the wire highly ductile.

SPECIFICATION PARAMETERS

Industry Standard: HDMI 2.1	Interface: HDMI type-A to type-A
Bandwidth: 48Gbps	Resolution: 8K@60HZ、4K@120Hz and 10K@120Hz DSC UHD display
Power: No external power supply needed	Cable Length: 1/2/3m
Cable Diameter: 7.3mm	Connector Material: Zinc Alloy
Outer Jacket: PET+Nylon braided	Fiber/Copper Wire Spec: 19 silver-plated OFC copper wires
Wire spec: 28AWG	On-Resistance: ≤3Ω
High-Voltage Insulation Test: AC200V/10ms，≤1mA	Insulation impedance: DC300V/10ms，≥5MΩ
Relative Humidity: 5% to 90% (non-condensing)	Operating Temperature: 0°C to 50°C
Storage Temperature: -20°C to 70°C	

FIBBR Ultra Pro 3 · 8K HDMI Fiber Optic Cable

FIBBR Ultra Pro 3 · 8K HDMI Fiber Optic Cable

The FIBBR FH10t/FH10r chip developed in-house is used for efficient data processing, reduced bit error rate, and increased stability and reliability. The connector is integrally molded with the shell to protect the internal precision components from external pollutants and moisture. The transmission end is equipped with a unique digital display, so that the user can be quickly informed of wire connection status and real-time transmission rate by looking at the LED screen. The receiving end contains intelligent lighting, meaning the cables can be easily connected in a dark environment.

SEVEN MAJOR FEATURES

01/High Speeds with Zero Obstructions

The self-developed high-performance chip processes data efficiently and reduces bit error rate. 48 Gbps high bandwidth enables rapid transmission of huge amounts of information.

02/ Smooth Ultra-HD

Supports 8K resolutions operating at 60Hz and 4K resolutions operating at 120Hz, with added support for HDMI2.1 high-performance interfaces such as HDR, ALLM, VRR, QFT, QMS and eARC, with no delays or buffering, thus ensuring clear, smooth pictures.

03/Intelligent Monitoring

The transmission end is equipped with a unique digital display screen and offers anti- reverse-insertion detection, high-speed signal detection, HPD (hot plug detect) signal detection and fixed rate detection (rate detection only supported for HDMI2.1 devices in FRL mode).

04/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

05/Stable Performance

Suitable for a wide range of operating/storage temperatures: -20~70℃/ -40~85 ℃. Both cold- and heat-resistant, it remains highly stable even in extreme environments.

06/Easy to Use

When the No. 1 HDMI plug is connected to the computer or media player, the LED light on the No. 2 HDMI plug at the other end will tun on by itself. It can be easily plugged in and unplugged, even in a dark environment. The LED light will turn off automatically after being connected.

07/Resistant to Pollutants and Moisture

The connector is integrally molded into the shell, protecting the internal precision components from external pollutants and moisture.

SPECIFICATION PARAMETERS

Industry Standard: HDMI 2.1	Interface: HDMI type-A to type-A
Bandwidth: 48Gbps	Resolution: 8K@60Hz、4K@144Hz and 10K@120Hz DSC UHD display
Power: No external power supply needed	Cable Length: 1.5/2/3/5/10/15/20/25/30/50m
Cable Diameter: 4.6mm	Connector Material: Black PC
Fiber Wire Spec: 4-core optical fiber	Outer Jacket: Black TPU
Minimum Bending Radius (dynamic/static): 20mm/10mm	Tensile Strength(long-term/short-term): 100N/200N
Compressive Strength (long-term/short-term): 200N/400N	Operating Temperature: 0~50℃
Storage Temperature: -20~70℃	

FIBBR King 3 · 8K HDMI Fiber Optic Cable

FIBBR King 3 · 8K HDMI Fiber Optic Cable

The King3 connector is equipped with two sets of built-in photoelectric conversion chips, upgrading the original two-way DDC-based signals to a dedicated data communication channel with intelligent correction. The upgraded TransFuture ® tech replaces the old copper wire with optical fibers, minimizing signal attenuation and crosstalk. In this way, problems that have troubled the AV industry for years due to low speeds and poor communication technology have been solved. This includes low resolution, flickering screens, and blackouts. With the new firmware upgrade function, the TransFuture® module can be updated based on the latest AV devices, thus removing any issues of poor compatibility.

SIX MAJOR FEATURES

01/Smooth Ultra-HD

Supports 8K resolutions operating at 60Hz and 4K resolutions operating at 120Hz, with added support for HDMI2.1 high-performance interfaces such as HDR, ALLM, VRR, QFT, QMS and eARC with no delays or buffering, thus ensuring clear, smooth pictures.

02/Intelligent Instruction

The transparent indicator light intelligently senses the connection status. When the connection is correct, the green light will flash, otherwise, the red light will signal an error. When the connection is stable, the triangular warning light will turn blue.

03/ High Speeds with Zero Obstructions

The self-developed high-performance chip processes data efficiently and reduces bit error rate. 48 Gbps high bandwidth enables rapid transmission of huge amounts of information.

04/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

05/Good compatibility

The original two-way DDC-based signals are now upgraded to a dedicated data communication channel featuring intelligent correction. The upgraded TransFuture ® tech replaces the old copper wire with optical fiber, minimizing signal attenuation and crosstalk. With the new firmware upgrade function, the TransFuture® module can be updated based on the latest AV devices, thus removing any issues of poor compatibility.

06/Long-distance Transmission with Zero Signal Attenuation

Supports 100-meter ultra-long-distance signal transmission with no attenuation or interference, ensuring high-fidelity signals.

SPECIFICATION PARAMETERS

Industry Standard: HDMI 2.1	Interface: HDMI type-A to type-A
Bandwidth: 48Gbps	Resolution: 8K@60Hz、4K@120Hz and 10K@120Hz DSC UHD display
Power: No external power supply needed	Cable Length: 8/10/12/15/20/25/30/35/40/45/50/60/70/80/90/100m
Cable Diameter: 4.6mm	Connector Material: Zinc alloy + Black PC
Fiber Wire Spec: 6-core optical fiber	Outer Jacket: Black TPU
Minimum Bending Radius (dynamic/static): 20mm/10mm	Tensile Strength(long-term/short-term): 100N/200N
Compressive Strength (long-term/short-term): 200N/400N	Operating Temperature: 0~50℃
Storage Temperature: -20~70℃	

FIBBR Real · 8K HDMI Ultra High Speed Cable

FIBBR Real · 8K HDMI Ultra High Speed Cable

The unique multi-layer shielded twisted wire is used to transmit picture signals. In this way, all signals will remain independent and will not interfere with each other, bringing users an immersive audio-visual experience. With its authorized HDMI® 2.1 UHS Cable certification, it supports all HDMI 2.1 functions such as Hand eARC and ensures top communication quality.

FIVE MAJOR FEATURES

01/Authorized Certification

After a strict process of examination, the product received official certification for HDMI® 2.1 UHS Cable. This demonstrates its outstanding performance and guarantees quality.

02/ Smooth Ultra-HD

48 Gbps high bandwidth, supports 8K resolutions operating at 60Hz and 4K resolutions operating at 120Hz, with added support for HDMI2.1 high-performance interfaces such as HDR, ALLM, VRR, QFT, QMS and eARC, with no delays or buffering, thus ensuring clear, smooth pictures.

03/Genuine Materials

28AWG high-purity oxygen-free copper is carefully selected to fulfill the needs of ultra-HD bandwidth; high-grade knitting with fish-scale PET silk is environmentally friendly, scratch- and wear-resistant, thus ensuring a long service life.

04/Unique Design

The unique fade surface shell is designed to the highest quality in an aesthetic style.

05/Resistant to Electromagnetic Interference

The unique multi-layer shielded twisted wire is used to transmit picture signals,in order to ensure that all signals are independent from each other, blocking any electromagnetic interference.

SPECIFICATION PARAMETERS

Industry/Certification Standard: HDMI2.1, meet CE/RoHS	Interface: HDMI type-A to type-A
Bandwidth: 48Gbps	Resolution: 8K@60Hz、4K@144Hz and 10K@120Hz DSC UHD display
Power: No external power supply needed	Cable Length: 1/2/3m
Cable Diameter: 7.3mm	Connector Material: Zinc alloy+PC shell
Copper Wire Diameter: 28AWG	Outer Jacket: Black PVC+nylon braided
Minimum Bending Radius : 108mm	Insulation Impedance: DC300V/10ms, ≥5MΩ
Hipot Test: AC200V/10ms, ≤1mA	On-Resistance: ≤3Ω
Operating Temperature: 0~50°C	Storage Temperature: -20~70°C

FIBBR USB-C5

USB 3.2 Gen1 · Type C to C Active Optical Fiber Cable

FIBBR USB-C5 · USB 3.2 Gen1, type C to C Active Optical Fiber Cable

FIBBR USB-C5 is a USB 3.2 Gen1 Type C to C optical fiber cable. It supports high-speed data transmission and fast charging functions, and is compatible with VR glasses such as Oculus QuestLink/Pico/vive. Users can enjoy PC VR content whenever they like, with no need to worry about running out of power.

SEVEN MAJOR FEATURES

01/Light and Easy to Use

Heavy cables can cause VR glasses to slide off the user's head. This kind of wire is soft, thin, and very light, solving this problem once and for all, and making VR devices more portable and comfortable to wear.

02/ Resistant to Wear and Pressure

The jacket is made of high-strength TPU, a highly wear-resistant material. There is no need to worry about damaging the wires while playing games.

03/Easy to Use

The 10/15ft ultra long distance means users now have a bigger area in which to play games. It can be used from either direction, solving a previous weakness of the technology. It provides genuine plug and play, which is both convenient and time-saving.

04/Fast Transmission

Supports USB 3.2 Gen1, allowing faster transmission by transmitting the signal at a data rate of 5 Gbps.

05/Fast Charging

Supports USB PD3.0 PPS fast charging standard (20V/3A) and is also compatible with lower standards. A Mac Book Pro 15 can be fully charged in about two hours.

06/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

07/Resistant to Electromagnetic Interference

Lossless optical fiber transmission is free from electromagnetic interference and can effectively reduce flicker noise arising from playing games and watching movies, creating better experience for users.

SPECIFICATION PARAMETERS

Industry Standard: USB 3.2 Gen1	Host Side: USB 3.2 Gen1 TypeC plug
Cable Diameter: 4.6mm	Device Side: USB 3.2 Gen1 TypeC plug
Option Cable length: 10ft/15ft	Bend Radius (Dynamic/Static): 20mm/10mm
Tensile Strength (Long Term/Short Term): 100N/200N	Operating Temperature: -20~70℃
Storage Temperature: -30~75℃	

FIBBR F-USB-10G

USB 3.2 Gen2 · A Male to A Female Active Optical Fiber Cable

F-USB-10G · USB 3.2 Gen2, A Male to A Female Active Optical Fiber Cable

A USB3.2 gen2 product, the industry leader, this features 10Gbps ultra bandwidth and is compatible with high-performance and highly stably active optical fiber cables. Compared with other USB optical transmission solutions, it can meet the transmission requirements of USB3.2 and is also compatible with standards lower than USB2.0/1.1 protocol. The wire is ultra soft and bend-resistant, passing all requirements for 10-million bending cycles in a drag chain for use in industrial applications.

SIX MAJOR FEATURES

01/Ultra-fast Transmission

Featuring 10Gbps ultra bandwidth. The theoretical rate is up to 1280MB/s, with an optical fiber attenuation rate of less than 0.0035dB/m, and a fast, stable signal transmission.

02/ Good Compatibility

Supports USB3.2 gen2 specifications and is compatible with USB2.0/1.1.

03/Auxiliary Power Supply

In case of large power consumption, it can be connected via the USB cable plug for additional power supply.

04/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

05/Convenient Cabling

The cable is 5.5 mm in diameter, which is thinner and softer than traditional copper wiring. The connector size conforms to the USB Association standards, and supports multiple USB ports to be inserted side by side at the same time, making cabling both easy and convenient.

06/Good Heat Dissipation

The operating/storage temperature range is the same as that of the previous generation of products. It is resistant to cold and heat and can maintain stable performance even in extreme environments. With its optimized structure, the product now demonstrates even better heat dissipation performance.

SPECIFICATION PARAMETERS

Industry Standard: USB 3.2 Gen2	Model: F-USB-10G
Length: 1m ~ 20m	Color Of Each Side: Gray
Material Of Each Side: Zinc alloy	Cable Diameter: 5.5mm
Bandwidth: 10Gbps（Actual transmission rate between 600MB/s-900MB/s）	Outer Jacket: TPU(Capulone 1090T TPU)
Cable Structure: 2fibers+6copper wires	Light Attenuation Rate: <0.0035dB/m
Minimum Bending Radius (dynamic/static): 20mm/10mm	Tensile Strength(long-term/short-term): 100N/200N
Compressive Strength (long-term/short-term): 200N/400N	Operating Temperature: 0~50℃
Storage Temperature: -20~70℃	

FIBBR PJM-U3

USB 3.2 Gen1 · A male to A Female Active Optical Fiber Cable

PJM-U3 · USB 3.2 Gen1, A Male to A Female Active Optical Fiber Cable

As a leading optical fiber USB 3.2 Gen1 wire, it can be extended up to 50 meters with no external power supply, fulfilling the practical needs of most professional engineering applications (traditional USB 3.2 Gen1 copper wire can be extended up to 3 meters). The unique, built-in SuperTT technology can convert protocols both to and from USB3.2 Gen1 and USB 2.0, meaning USB2.0 devices can share the high-speed bandwidth (5Gbps) of USB 3.2 Gen1.

SEVEN MAJOR FEATURES

01/Zero Attenuation Rate

With 5Gbps high-speed bandwidth, the attenuation coefficient on the 850nm wavelength is less than 0.0035dB/m, ensuring fast, stable signal transmission.

02/Auxiliary Power Supply

The auxiliary power supply, with a USB 2.0 Micro B interface, is particularly designed for devices requiring power consumption of more than 2W.

03/Good Compatibility

Supports USB 3.2 Gen1 transmission, while USB 2.0 transmission is compatible with the USB jack.

04/Stable Performance

Wide operating and storage temperature range: - 20~70 ℃/- 40~80 ℃, with a wide span, outstanding cold- and heat-resistance, while always maintaining a stable performance even in extreme environments.

05/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

06/High Tensile Strength

The 3.7mm cable diameter is extremely durable: 200N of pressure, up to 100N of tensile force, and up to 10kg of weight can be lifted vertically on the line body.

07/Long-distance Lossless Transmission

Lossless transmission up to 50m, exceeding the 3m USB transmission limit of traditional copper wire; two-way transmission with no delays, suitable for a wide variety of application scenarios.

SPECIFICATION PARAMETERS

Industry Standard: USB 3.2 Gen1	Host Side: USB 3.2 Gen1 Standard-A Plug
Host Side: 44mm/19mm/13mm	USB2.0 Micro-B Receptacle, Auxiliary power supply for device with >2W power dissipation.
Device Side: 82mm/26mm/14.5mm	Device Side: USB 3.2 Gen1 Standard-A Receptacle (with locking screw holes)
Cable Diameter: 3.7mm	Option Cable Length: 10m/15m/20m/25m/30m/35m/40m/45m/50m
Bend Radius (Dynamic/Static): 20mm/10mm	Tensile Strength (Long Term/Short Term): 100N/200N
Operating Temperature: 0~50℃	Crush Resistance (Long Term/Short Term)/100mm: 200N/400N
Storage Temperature: -20~70℃	

FIBBR F-PJM-U3P

USB 3.2 Gen1 · A male to A male Active Optical Fiber Cable

F-PJM-U3P · USB 3.2 Gen1, A male to A male Active Optical Fiber Cable

The 100-meter ultra-long distance transmission uses the specialized YOFC BendRobust® optical fiber, which is also highly resistant to electromagnetic interference. The wire is light, soft and convenient for all wiring purposes. A dongle adapter is also included as standard. The built-in SuperTT technology can convert between USB 3.2 Gen1 and USB 2.0 protocols, meaning USB 2.0 can share the high-speed bandwidth (5Gbps) of USB 3.2 Gen1.

FOUR MAJOR FEATURES

01/100 - meter Lossless Transmission

Long-range lossless transmission, up to 100m, breaking through traditional transmission distance limits, with no frame loss or jumping.

02/Good Compatibility

The Dongle adapter with built-in patented SuperTT technology, can convert between USB 3.2 Gen1 and USB 2.0 protocols, allowing USB 2.0 devices to share USB 3.2 Gen1 high-speed bandwidth (5Gbps) and providing better compatibility.

03/Resistant to Electromagnetic Interference

100% pure optical fiber, with no radiation and no electromagnetic interference, meeting all requirements for ultra-strong electrical isolation.

04/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

SPECIFICATION PARAMETERS

Industry Standard: USB3.2 Gen1, use with FIBBR HUB or Dongle can support USB2.0/1.1	Host Side: USB3.2 Gen1 Standard-A Plug
Cable Diameter: 3.0mm	Device Side: USB3.2 Gen1 Standard-A Plug
Option Cable length: 5m/10m/20m/30m/40m/50m/60m/70m/80m/90m/100m	Bend Radius (Dynamic/Static): 20mm/10mm
Tensile Strength (Long Term/Short Term): 100N/200N	Operating Temperature: -10~55℃
Crush Resistance (Long Term/Short Term)/100mm: 200N/400N	Storage Temperature: -20~70℃

FIBBR Explorer · Luminous DP 1.4 Fiber Optic Cable

FIBBR Explorer · Luminous DP 1.4 Fiber Optic Cable

The FIBBR Explorer series of products features YOFC BendRobot ®. This special optical fiber has a flat body, with a black bottom on the inner layer, a 2mm optical fiber light strip hidden on both sides, and a transparent PVC all-round outer layer, with a tooth-shaped groove added to improve the overall touch and quality of the wire. The connector uses a double-headed light source which features seven colors - red, green, blue, yellow, cyan, purple and white - and uniform illumination. This can create a colorful gaming atmosphere especially for E-sports players.

SIX MAJOR FEATURES

01/RGB Cool light Effect

This connector features a double-headed light source with seven colors: red, green, blue, yellow, purple and white. The colors have been atomized and the texture upgraded, with moderate light shades that are bright without being gaudy.

02/High Refresh Rate

Professional wiring, born for E-sports, featuring 32.4Gbps high bandwidth and supporting 4K@144Hz Ultra high refresh rate.

03/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

04/Solid Connection

The enhanced hand-feel design conforms to modern ergonomic principles, while the buckle connects firmly and does not come loose easily.

05/Unique Design

The modern mechanical modeling elements are ingeniously integrated, giving a neat, modern look with a unique sense of the future.

06/Precise Dimensions

The width of the connector is limited to 20mm, while the dimensions conform to the specifications of the DP Association. Supports simultaneous plugging of two DP ports side by side, eliminating the need for multiple interfaces.

SPECIFICATION PARAMETERS

Industry Standard: DisplayPort 1.4	Interface: DisplayPort type-A to type-A
Bandwidth: 32.4Gbps	Resolution: 8K@60Hz、4K@144Hz
Power: No external power supply needed	Cable Length: 1.5/2/3/5 m
Cable Diameter: Flat cable: 12mm × 3mm	Connector Material: Stainless Steel
Fiber/Copper Wire Spec: 4-core optical fiber + 6 copper wires	Outer Jacket: PVC
Minimum Bending Radius (dynamic/static) : 20mm /10mm	Tensile Strength: Up to 100N（long-term）
Compressive Strength : 400N（long-term）	Operating Temperature: 0°C to 50°C
Storage Temperature: -20°C to 70°C	

FIBBR Flash144 · DP 1.4 Fiber Optic Cable

FIBBR Flash144 · DP 1.4 Fiber Optic Cable

With 32.4Gbps high bandwidth and a 4K@144Hz High refresh rate, this product conforms to the DP1.4 standard. It features an extremely low power consumption, meaning it can be used for a long time, and is highly durable with good compatibility. The product is easy to use and is especially suitable for display application scenarios with high brush demands.

FOUR MAJOR FEATURES

01/High-speed Transmission

32.4Gbps bandwidth, real-time transmission of control instructions, with no delay and no jamming, for high speeds and stable signal transmission.

02/Resistant to Electromagnetic Interference

Optical fiber transmission is free from radiation or electromagnetic interference. It adds support for strong and weak electricity hybrid cabling and well adapts to complex application environments.

03/Tough and Bend-resistant

The YOFC BendRobust® special optical fiber stands out due to its high strength and resistance to bending and aging. It ensures the multi-angle cabling and long-term stable operation of any application.

04/Easy to Use

It provides genuine plug and play, which is both convenient and time-saving.

SPECIFICATION PARAMETERS

Industry Standard: DisplayPort 1.4	Interface: DisplayPort type-A to type-A
Bandwidth: 32.4Gbps	Resolution: 8K@60Hz、4K@144Hz
Power: No external power supply needed	Power Consumption: 250mW
Cable Length: 1/2/3/5/8/10/12/15/20m	Cable Diameter: 4.0±0.2mm
Connector Material: PC	Fiber Wire Spec: 4-core optical fiber +6 copper
Outer Jacket : Black PVC	

FIBBR SNOWFLAKE SERIES

Professional-grade Silver-plated XLR/ RCA Cable

FIBBR SNOWFLAKE SERIES
Professional-grade Silver-plated XLR/ RCA Cable

Tri-band features distinct layers, good texture, and an exquisite attention to detail. Higher pitches are clear, transparent and easy on the ear. The sound is neither harsh nor sharp. Medium tones will sound precise and flexible, with a more natural processing of voices, for a richer, more relaxing sound. The bass penetrates strongly with no distortion, while remaining full and clear; the point-to-point rhythm can be seen at a glance.

FIVE MAJOR FEATURES

01/Silver-coated Conductor

Four groups of high-specification oxygen-free copper silver-plated conductors are used, with higher current carrying capacity for a clearer, more transparent sound. Low losses, good corrosion resistance, low interference and good analytics provide significantly improved sound quality, for a more subtle musical performance.

02/Exquisite Production process

The three-layer copper-silver-rhodium non-magnetic nickel electroplating joint is waterproof, corrosion- and oxidation-resistant, and shows good conductivity. This improves sound quality, protects the transmission signal from the source, and supports multiple plugging.

03/Strong Resistance to Interference

The aluminum foil+copper silver-plated woven net+shielding paper tape effectively blocks interference from external electromagnetic fields. This ensures a stable signal, with no current and low noise, for a completely lossless sound quality!

04/Professional Adjustment

The background sounds are dark, the sound quality transparent, and the fidelity high, providing an outstanding tri-band interpretation. Smooth signal transmission is guaranteed as a result of 100 hours of cable boiling.

05/Noble Quality

Metal shock-absorbing collar, with good noise-limiting and interference-resistant properties; Limited coding demonstrates nobility; Close direction indication sign; The extra dense PP cotton+nylon woven outer cover is flexible, durable and malleable.

SPECIFICATION PARAMETERS

Connector: XLR Male to Female	Connector: RCA Male to Male
Outer Diameter: 8.0mm	Outer Diameter: 8.0mm
Connector Housing: Copper	Connector Housing: Copper
Termination: Rhodium Plated Pure Purple Copper	Termination: Rhodium Plated Pure Purple Copper
Conductor Size: 4 × 0.4mm²	Conductor Size: 4 × 0.4mm²
Outer Jacket: Temi PP cotton + nylon braided	Outer Jacket: Temi PP cotton + nylon braided
Conductor Material: Silver-plated OFC copper	Conductor Material: Silver-plated OFC copper
Connector Dimension Male: 19 (ϕ) × 58.56 (L) mm	Connector Dimension: 13.8mm × 57.7mm
Connector Dimension Female: 19 (ϕ) × 57.1 (L) mm	

FIBBR SNOWFLAKE SERIES

Professional-grade Silver-plated Speaker Cable (Y+B/B+B)

FIBBR SNOWFLAKE SERIES
Professional-grade Silver-plated Speaker Cable (Y+B/B+B)

Ensures precise, professional tuning, clear sound levels, enhanced mid- and high-pitch resolution, solid and powerful bass, improved images, excellent transient performance, and vivid details, ensuring the energy of various music effects can be fully released. Y terminal+elastic pin-type banana head enables more suitable connection modes to be selected based on equipment and application, providing tight contacts and more stable signal transmission.

FIVE MAJOR FEATURES

01/Silver-coated Conductor

Four groups of high-specification oxygen-free copper silver-plated conductors are used, for lower losses, better sound field and a more durable listening experience.

02/Exquisite Production Process

The three-layer copper-silver-rhodium non-magnetic nickel electroplating joint is waterproof, corrosion- and oxidation-resistant, and shows good conductivity. This improves sound quality, protects the transmission signal from the source, and supports multiple plugging.

03/Brand New Connectors

Y terminal+elastic pin-type banana head enables more suitable connection modes to be selected based on equipment and application, providing tight contacts that will not come loose due to moving equipment or external shaking, while guaranteeing a stable signal transmission.

04/Professional Adjustment

Ensures precise, professional tuning, clear sound levels, enhanced mid- and high-pitch resolution, solid and powerful bass, improved images, excellent transient performance, and vivid details, ensuring the energy of various music effects can be fully released.

05/Noble Quality

Limited coding demonstrates nobility; Intimate direction indication sign; The extra dense PP cotton+nylon woven outer cover is flexible, durable and malleable.

SPECIFICATION PARAMETERS

Connector: Spade to Banana Plug	**Conductor Size:** 4 × 1.5mm²
Outer Diameter: 13mm	**Conductor Material:** Silver-plated OFC copper
Connector Housing: Copper	**Connector Dimension Y:** 13mm(ϕ) 70mm(L)
Termination: Rhodium Plated Pure Purple Copper	**Connector Dimension B:** 13mm(ϕ) 61mm(L)
Outer Jacket: Temi PP cotton + nylon braided	

FIBBR SNOWFLAKE SERIES

Professional-grade Silver-plated Power Cord

FIBBR SNOWFLAKE SERIES · Professional-grade Silver-plated Power Cord

High-purity silver-plated oxygen-free copper core ensures fast transmission speeds and good resistance to interference, ensuring high-fidelity input and output. The thickened body and high-density braid are both wear-resistant and durable, reducing internal interference and effectively preventing electrical interference from front and rear high-end equipment.

SIX MAJOR FEATURES

01/Silver-coated Conductor

The core conductor is made of three groups of thick oxygen-free copper silver-plated strands, with minimal heat and audio fluctuations, effectively preventing any electrical interference caused by front and rear high-end equipment, thus fully displaying all details at the equipment output.

02/Strong Resistance to Interference

Shielding tape+transparent PV anti-interference shielding layer+OFC silver-plated shielding layer prevent electro-magnetic interference signals from entering the equipment through the line.

03/Noble Quality

The limited code demonstrates nobility, intimate direction indication sign, 16mm wire diameter, built-in thickening to prevent resonance and reduce internal impact, solid and durable. The extra dense PP cotton+nylon woven outer covering is flexible and bend-resistant.

04/Stable Power Supply

Transmission of high-quality electric energy and a stable power supply will take you to a 24-hour world of music, and ensure the continuous stability of your equipment with no fluctuations.

05/Exquisite Manufacturing Process

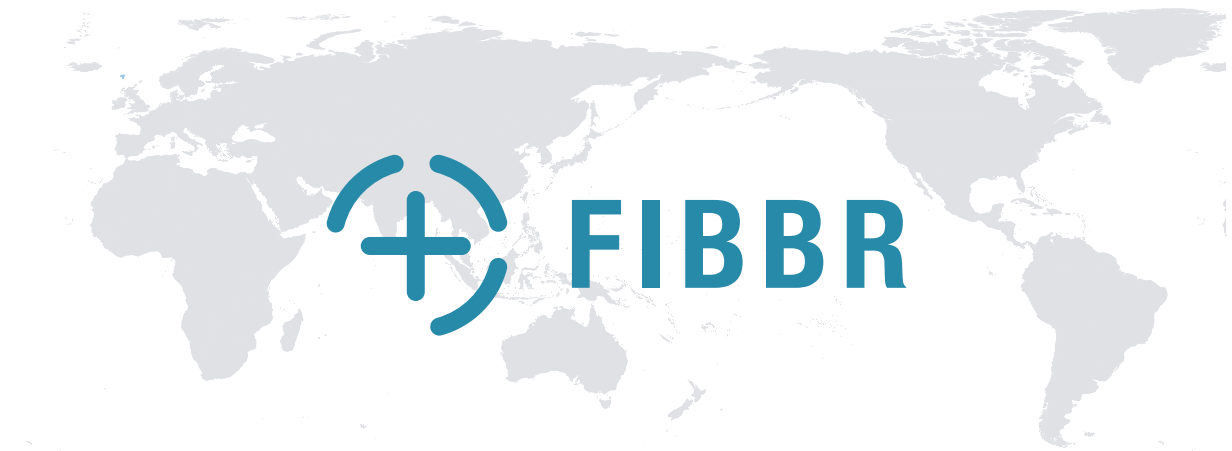
The copper-silver-gold three-layer non-magnetic nickel electroplating connector provides strong water-, corrosion-, and oxidation resistance, as well as good conductivity. It protects the signal inputs and outputs from the source, and supports multiple plugging. The standard American connector and Pinzi interface ensure close contacts, that will not shake or come loose, guaranteeing your equipment will operate stably.

06/Professional Adjustment

Tri-band equalization for high fidelity. Clear details, authentic voices, wide field of sound, full hall effect, and a richer, more solid bass.

SPECIFICATION PARAMETERS

Connector: 3-prong US AC plug	**Termination:** Gold Plated Pure Purple Copper
Outer Diameter: 16mm	**Outer Jacket:** Temi PP cotton + nylon braided
Conductor Size: 3 × 4.0mm²	**Conductor Material:** Silver-plated OFC copper
Connector Housing: Copper	**Connector Dimension Male:** 40 (ϕ) × 89 (L) mm
Connector Dimension Female: 40 (ϕ) × 87 (L) mm	



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