

PureLink  
Install. Connect. Perform.

# Active Optical Cables

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Ultra-High Bandwidth HDMI, DisplayPort and USB  
for Professional AV Applications



## When Distance, Quality and Bandwidth are Essential

The AV industry is always striving for better performance, and that means pushing the limits of traditional copper cabling. At long ranges, copper cabling simply can't keep up with demand, so the signal quality suffers as a result. It's time to explore new technologies that can provide the reliable, high-quality performance that the AV industry needs.

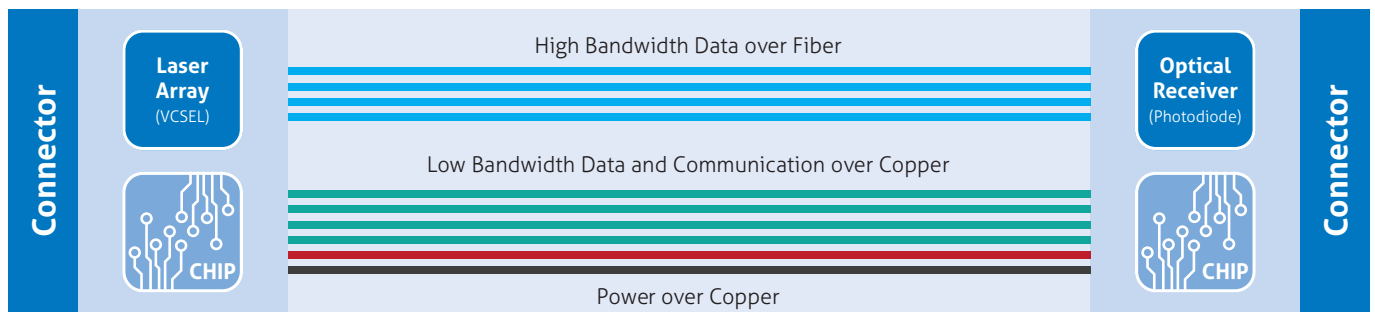
FiberX offers the user the greatest possible flexibility in terms of range, transmission rate and handling. Thanks to the use of extremely durable and interference-resistant fiber-copper hybrid technology, a tight bending radius and overall high material quality, it is ideal for even the most demanding installation requirements.

FiberX is the perfect solution for the ever-growing demands of the AV industry.

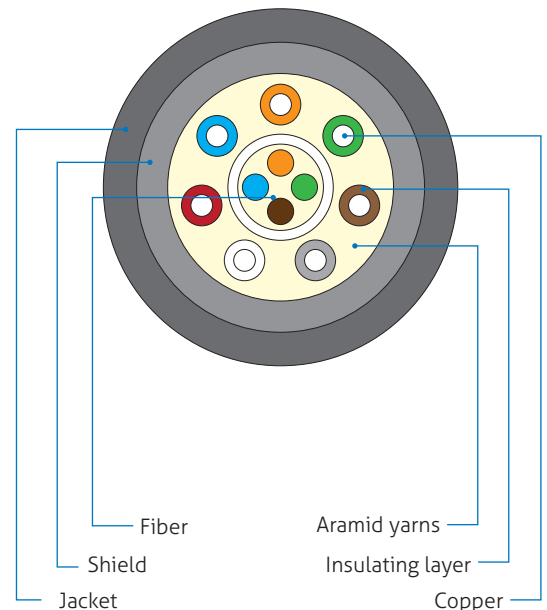
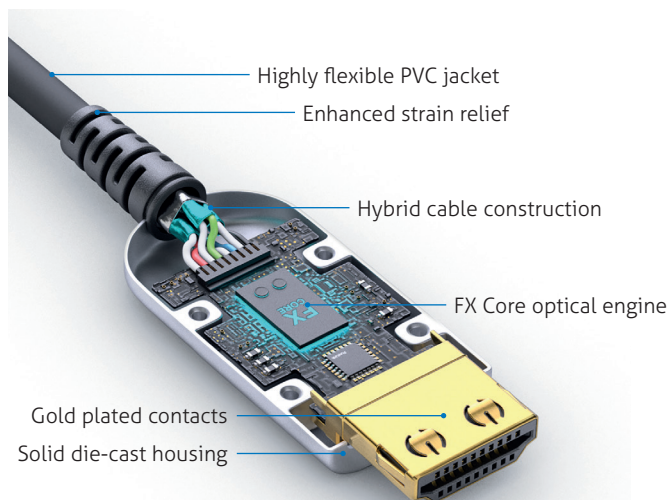
## Beat the competition - upgrade to FiberX.

### What is AOC?

AOC stands for Active Optical Cable. A hybrid cable construction consisting of glass fiber and copper conductors transmit the high speed video signal via fiber optics and low speed data, such as control signals and the 5V signal via copper. This enables the best possible signal integrity and compatibility.



### Structure of Active Optical Cables



Be sure to check the connector description before installation to ensure the right connector is connected to the right device. The majority of AOC products are unidirectional and won't work if misconnected.

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# Why do we need AOC?

## The pros and cons of copper and fiber optics.

AV professionals know the debate about copper and fiber optics inside out. The technical question about the advantages and disadvantages of the two materials is lively debated. For example, if you look at the choice of material in the construction of HDMI cables, i.e. why they are made of copper and not fiber, it is because copper is better able to transmit the low-bandwidth handshake signals such as EDID and HDCP. Direct electrical signals from the source are also required for communication pins like VCC and Hot Plug Detect. These signals can be simulated, but then both ends of the cable will require additional power connections.

In other words, copper is simply the better choice for short distance cables. HDMI 2.1, DisplayPort 2.0 and USB4 are all designed to be transmitted over copper cables, so most connections will continue to be copper-based for the foreseeable future. However, the range that these cables can achieve is smaller as our need for increased bandwidth grows exponentially. Hardware extension systems like HDBaseT or pure fiber-based hardware are equally useful and still have a place in the modern AV world, especially when multiple signal types are required or when we need to make use of existing infrastructure. However, they require additional power, they're additional points of failure, and they can require up to four SKU's to replace a single cable.

The many advances made in cabling over the years, have focussed specifically on preventing copper cables from losing signal. Purer conductors, superior shielding, and clever ways to reduce noise or attenuation are all key to keeping your signal strong. But in particularly problematic environments - like factories or medical facilities - the demand for interference-resistant products with great range, is even higher.

This is where fiber optic technology comes into play. Light signals can travel through fiber optic cable exponentially further than electricity can travel through even the most conductive wires. Light pulses are not affected by sources of electromagnetic interference, so they can carry high bandwidth data to faraway places without any problems. Plus, fiber optic cables are much thinner and lighter than traditional copper cables, unfortunately this does not make them easier to install and manage.

## The best of both worlds.

The special characteristics of hybrid cables make them ideal for installations where space is at a premium. Whereas pure fiber solutions are much more fragile and often require specially skilled technicians to install them. The outer cable jacket and shielding of an AOC product make it difficult to over bend the cable. The reduced number of copper wires means the cable is thinner and, on average, a third of the weight. This makes AOCs ideal for tight access installations and for pulling around narrow corners and bends.

## The durability of copper and the flexibility of fiber.

The genius of the AOC concept is its hybrid construction. By keeping the low bandwidth handshake connection and all voltage pins untouched, we can greatly reduce the number of fiber cores required to replicate the function of a standard cable. Only the high-bandwidth data, which makes up the core of the signal, is conveyed to fiber.

Despite common industry perceptions, Active Optical Cables are not delicate, hard to install, or expensive. In fact, AOCs have all the technical benefits of fiber technology, but because the fiber element is wrapped in a standard cable package, the user can treat them just like any other cable, without worrying about cleaning or inspecting. In comparison, AOCs are an extremely efficient and cost-effective solution for high bandwidth data transfer.

## AOC sits perfectly in the midground between a standard cable and a hardware solution.

By combining the huge bandwidth and range capabilities of fiber with the electrical connection of copper, AOC offers unparalleled usability. Full compatibility with protocols such as HDMI 2.1, DisplayPort 2.0 or USB 3.2 Gen 2 Alt mode make cutting-edge video and data transmission not only possible but guaranteed at ranges ten times more than their copper cousins.

There are so many alternative solutions to ProAV problems that come with exceptions and additional issues. You need to install software, or the product needs additional power, or worst of all, it works but only if you do X or Y. As we all know, you can have the best product in the world, but if the user experience is poor, people will not use it.

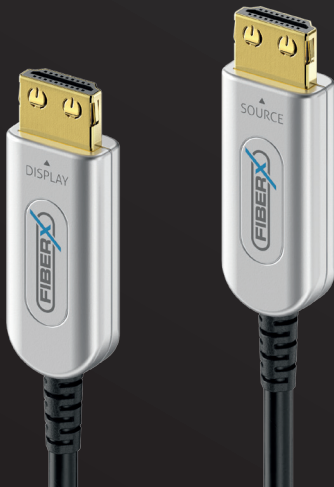
## A great user experience is essential to the success of any product.

The fundamental benefit from an end-user perspective is that the AOC cable looks and acts like any other, can be connected like any other, but it functions at a level that no other cable can match.

## It is simply a much better cable!



## AOC HDMI Cables



### HDMI 2.1 8K page 7

FX-I380	ATC certified halogen-free with SLS™ locking connector
FX-I375	Halogen-free with ULST™ locking connector
FX-I370	Armoured, waterproof cover with TLS™ locking connector

### HDMI 2.0 4K page 8 - 9

FX-I350	ATC certified with SLS™ locking connector
FX-I351	Male / female extension with SLS™ locking connector
FX-I355	Halogen-free with ULST™ locking connector
FX-I360	Armoured with waterproof cover

Type

Bandwidth

Resolution  
(8bit 4:4:4)

Transmission mode

HDCP

## AOC DisplayPort Cables



### DP 1.4 8K page 11

FX-I250	Full metal housing with DP locking connector
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### DP 2.0 8K page 11

FX-I260	Full metal housing with DP locking connector, DP40 spec
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Type

Bandwidth (Gbps)

Resolution  
(10bpc No DSC)

Transmission mode

HDCP

## AOC USB Cables



### USB USB 3.2 Gen2x1 data only page 14 + 16

FX-I500	USB-C/C 10Gbps – Long range v3.2 data only
FX-I530	USB-C/A 10Gbps – Long range v3.2 data only
FX-I540	USB-A/A 10Gbps – Long range v3.2 data only
FX-I545	USB-A/B 10Gbps – Long range v3.2 data only
FX-I550	USB-A/A extension – Long range v3.2 data only

### USB USB 3.2 Gen2x1 with v2.0 support page 15 + 17

FX-I600	USB-C/C 10Gbps v3.2 (data and video) + v2.0 data + 60WPD
FX-I630	USB-C/A 10Gbps v3.2 + down-compatibility to v2.0
FX-I640	USB-A/A 10Gbps v3.2 + down-compatibility to v2.0
FX-I645	USB-A/B 10Gbps v3.2 + down-compatibility to v2.0
FX-I650	USB-A/A extension 10Gbps v3.2 + down-compatibility to v2.0

Type

Bandwidth

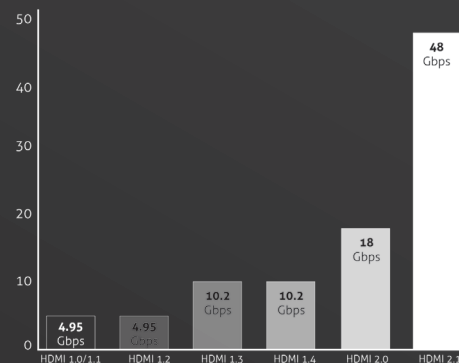
Resolution  
(without DSC)

Transmission mode

Maximum  
power delivery

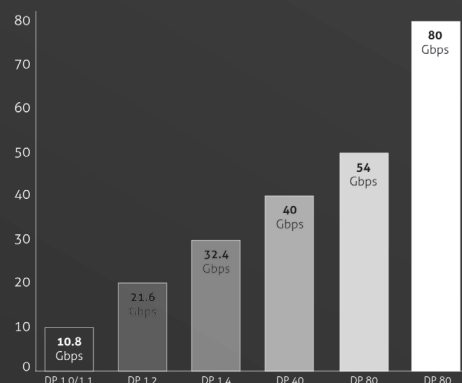
up to 100m

HDMI 1.0/1.1	HDMI 1.2	HDMI 1.3	HDMI 1.4	HDMI 2.0	HDMI 2.1
4.95 Gbps	4.95 Gbps	10.2 Gbps	10.2 Gbps	18 Gbps	48 Gbps
1080p 60Hz	1080p 60Hz	4K 30Hz	4K 30Hz	4K 60Hz	8K 30Hz
TMDS	TMDS	TMDS	TMDS	TMDS	16b/18b
HDCP 1.2	HDCP 1.3	HDCP 1.4	HDCP 2.0	HDCP 2.2	HDCP 2.3



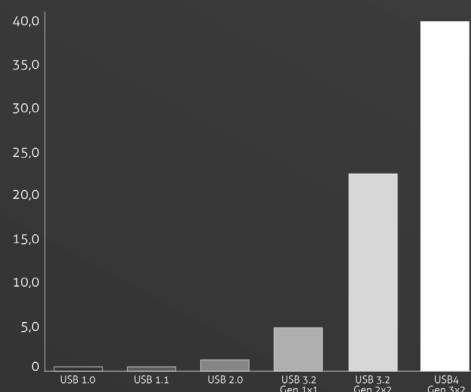
up to 100m

			DP 2.0		
DP 1.0/1.1	DP 1.2	DP 1.4	DP 40	DP 80	DP 80
10.8 Gbps	21.6 Gbps	32.4 Gbps	40 Gbps	54 Gbps	80 Gbps
1080p120Hz	4K 60Hz	4K 120Hz	8K 30Hz	8K 50Hz	8K 74Hz
HBR	HBR2	HBR3	UHBR10	UHBR13.5	UHBR20
HDCP 1.3	HDCP 1.3	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2



up to 50m

USB 1.1	USB 2.0	USB 3.2 Gen 1x1	USB 3.2 Gen 2x1	USB 3.2 Gen 2x2	USB4 Gen 3x2
12 Mbps	480 Mbps	5 Gbps	10 Gbps	20 Gbps	40 Gbps
N/A	N/A	4K 30Hz (2 lanes)	4K 30Hz (2 lanes)	8K 30Hz (4 lanes)	8K 60Hz (4 lanes)
NRZI	NRZI	8b/10b	128b/132b	128b/132b	128b/132b
2.5W	4.5W / 15W	15W / 100W	60W / 100W	100W / 240W	240W





FiberX HDMI cables are the best solution to ensure the maximum HDMI 2.1 bandwidth of up to 48Gbps for resolutions up to 8K UltraHD-2 60Hz. These hybrid cables use fiber for the high-bandwidth data and copper for the power and low-bandwidth communication link, providing the best protection against electromagnetic interference while maintaining a seamless handshake connection.

These hybrid HDMI cables are equipped with three different application-optimized locking systems that securely lock the plug into the socket, ensuring an uninterrupted connection.

FiberX HDMI cables are available in lengths of up to 100 meters, do not require an external power supply, are triple shielded, and the robust HDMI plug supports a high-quality connection through gold-plated contacts.



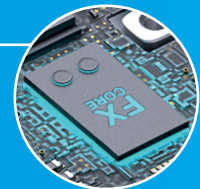
### Secure-Lock-System™

Substantially increased pulling strength for all HDMI connections.



### AOC Optical Engine

FX Core technology for flawless optical and electrical signals.



### Triple Shielding

Immune to electro-magnetic interference due to its triple shielding.





## 8K Ultra High Speed HDMI AOC Fiber Optic Cable

- HDMI version 2.1 – 48Gbps for resolutions up to 8K UltraHD-2 60Hz
- Gold plated precision contacts with PureLink SLS™ (Secure-Lock-System™)
- HDMI-A male to HDMI-A male
- Hybrid cable – Fiber for AV; copper for power and data, Ø 4.5mm
- With EMI resistance, low attenuation, no external power supply required

Item No.	Length	Item No.	Length
FX-I380-005	5.00m	FX-I380-020	20.00m
FX-I380-007	7.50m	FX-I380-025	25.00m
FX-I380-010	10.00m	FX-I380-030	30.00m
FX-I380-012	12.50m	FX-I380-040	40.00m
FX-I380-015	15.00m	FX-I380-050	50.00m



## 8K Ultra High Speed HDMI AOC Fiber Optic Cable

- HDMI version 2.1 – 48Gbps for resolutions up to 8K UltraHD-2 60Hz
- Gold plated precision contacts with PureLink ULS™ (Ultra-Lock-System™)
- HDMI-A male to HDMI-A male
- Hybrid cable – Fiber for AV; copper for power and data, Ø 4.5mm
- With EMI resistance, low attenuation, no external power supply required

Item No.	Length	Item No.	Length
FX-I375-005	5.00m	FX-I375-020	20.00m
FX-I375-007	7.50m	FX-I375-025	25.00m
FX-I375-010	10.00m	FX-I375-030	30.00m
FX-I375-012	12.50m	FX-I375-040	40.00m
FX-I375-015	15.00m	FX-I375-050	50.00m



## 8K Ultra High Speed HDMI AOC Fiber Optic Cable

- HDMI version 2.1 – 48Gbps for resolutions up to 8K UltraHD-2 60Hz
- Gold plated precision contacts with PureLink TLS™ (True-Lock-System™)
- HDMI-A male to HDMI-A male
- Hybrid cable – Fiber for AV; copper for power and data, Ø 4.5mm
- With EMI resistance, low attenuation, no external power supply required

Item No.	Length	Item No.	Length
FX-I370-005	5.00m	FX-I370-020	20.00m
FX-I370-007	7.50m	FX-I370-025	25.00m
FX-I370-010	10.00m	FX-I370-030	30.00m
FX-I370-012	12.50m	FX-I370-040	40.00m
FX-I370-015	15.00m	FX-I370-050	50.00m





### 4K Premium High Speed HDMI AOC Fiber Optic Cable

- HDMI version 2.0 – 18Gbps for resolutions up to 4K UltraHD 60Hz
- Gold plated precision contacts with PureLink SLS™ (Secure-Lock-System™)
- HDMI-A male to HDMI-A male
- Hybrid cable – Fiber for AV; copper for power and data, Ø 4.5mm
- With EMI resistance, low attenuation, no external power supply required

Item No.	Length	Item No.	Length
FX-I350-005	5.00m	FX-I350-040	40.00m
FX-I350-007	7.50m	FX-I350-050	50.00m
FX-I350-010	10.00m	FX-I350-060	60.00m
FX-I350-012	12.50m	FX-I350-070	70.00m
FX-I350-015	15.00m	FX-I350-100	100.00m
FX-I350-020	20.00m		
FX-I350-025	25.00m		
FX-I350-030	30.00m		



### 4K Premium High Speed HDMI AOC Fiber Optic Cable

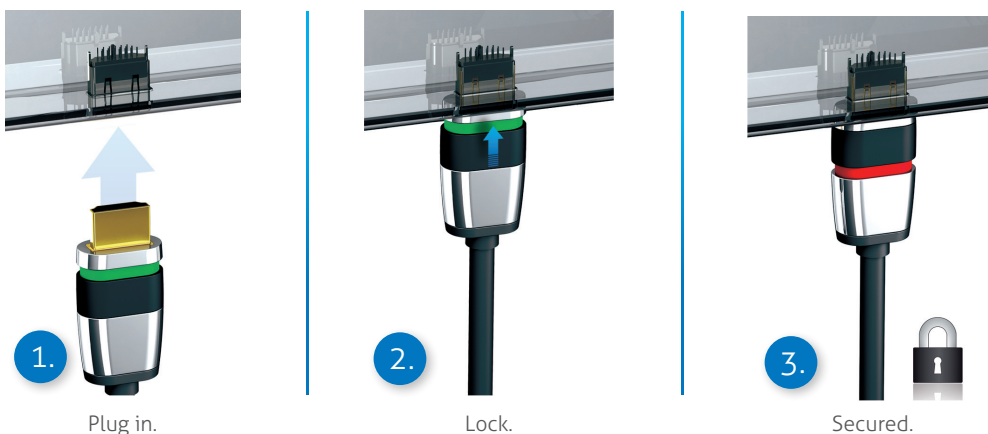
- HDMI version 2.0 – 18Gbps for resolutions up to 4K UltraHD 60Hz
- Gold plated precision contacts with PureLink ULS™ (Ultra-Lock-System™)
- HDMI-A male to HDMI-A male
- Hybrid cable – Fiber for AV; copper for power and data, Ø 4.5mm
- With EMI resistance, low attenuation, no external power supply required

Item No.	Length	Item No.	Length
FX-I355-005	5.00m	FX-I355-040	40.00m
FX-I355-007	7.50m	FX-I355-050	50.00m
FX-I355-010	10.00m	FX-I355-060	60.00m
FX-I355-012	12.50m	FX-I355-070	70.00m
FX-I355-015	15.00m	FX-I355-100	100.00m
FX-I355-020	20.00m		
FX-I355-025	25.00m		
FX-I355-030	30.00m		



### The Ultimate Connection

The PureLink Ultimate Series cables feature the safest and most innovative locking system. Specially developed for an uninterrupted and secure connection, the patented ULS™ technology locks the connector safely to the socket and is unique on the market.







## 4K Premium High Speed HDMI AOC Fiber Optic Extension Cable

- HDMI version 2.0 – 18Gbps for resolutions up to 4K UltraHD 60Hz
- Gold plated precision contacts
- HDMI-A male to HDMI-A female (panel mount), full-metal housing
- Hybrid cable – Fiber for AV; copper for power and data, Ø 4.5mm
- With EMI resistance, low attenuation, no external power supply required

Item No.	Length	Item No.	Length
FX-I351-005	5.00m	FX-I351-015	15.00m
FX-I351-007	7.50m	FX-I351-020	20.00m
FX-I351-010	10.00m	FX-I351-025	25.00m
FX-I351-012	12.50m	FX-I351-030	30.00m



## 4K Premium High Speed HDMI AOC Fiber Optic Cable

- HDMI version 2.0 – 18Gbps for resolutions up to 4K UltraHD 60Hz
- Gold plated precision contacts
- HDMI-A male to HDMI-A male
- Steel-armoured hybrid cable – Fiber for AV; copper for power and data, Ø 5.8mm
- With EMI resistance, low attenuation, no external power supply required

Item No.	Length	Item No.	Length
FX-I360-010	10.00m	FX-I360-050	50.00m
FX-I360-020	20.00m	FX-I360-100	100.00m
FX-I360-030	30.00m		



## Steel Armoured 4K AOC Hybrid Cable

Long range HDMI connection solution for use in the most difficult conditions. Tread-proof up to 200 kg.

### FX-I360 Key Features

- Full 18Gbps up to 100m
- Steel and aramid reinforced cable
- Slim, lightweight, 45mm bending radius
- Cable lengths of 10m to 100m



FiberX DisplayPort cables are the perfect choice for high performance professional AV applications. They reliably ensure a maximum bandwidth up to 40Gbps and uncompressed resolutions of up to 8K 75Hz 4:2:0. The full-metal housing, durable DisplayPort connector and gold-plated contacts, guarantee a high-quality error free connection.

FiberX DisplayPort cables are available in lengths of up to 100 meters, require no external power supply and are triple shielded. Their EMI resistance and low attenuation make them the best choice for critical environments.



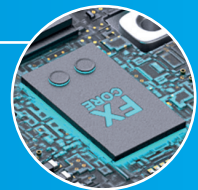
### Gold Plated Connectors

Long-life (standard) DisplayPort connector with high-quality, gold-plated contacts.



### AOC Optical Engine

FX Core technology for flawless optical and electrical signals.



### Triple Shielding

Immune to electro-magnetic interference due to its triple shielding.





### 8K DisplayPort AOC Fiber Optic Cable

- DP version 1.4 – 32.4 Gbps for resolutions up to 8K 24Hz RGB
- Gold plated precision contacts
- DisplayPort male to DisplayPort male, full-metal housing
- Hybrid cable – Fiber for AV; copper for power and data, Ø 4.8mm
- With EMI resistance, low attenuation, no external power supply required

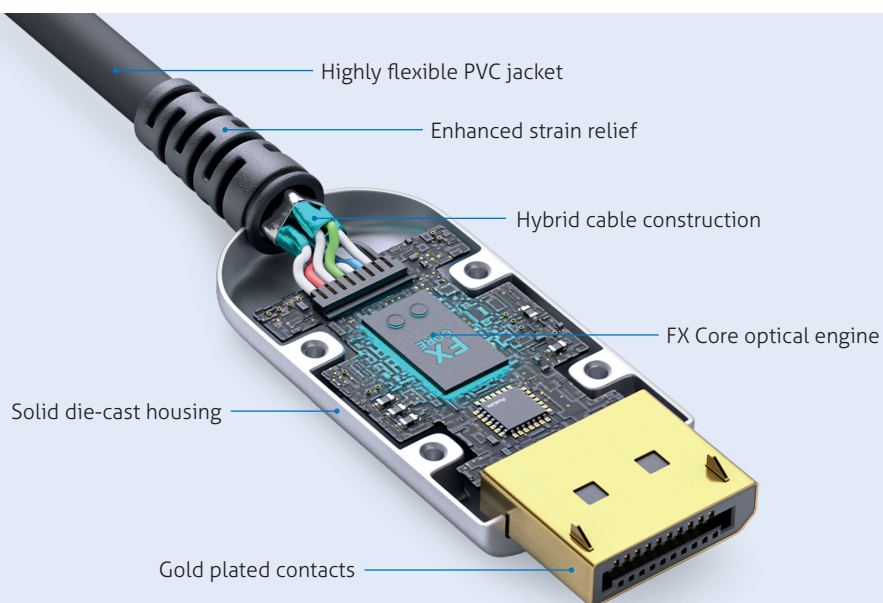
Item No.	Length	Item No.	Length
FX-I250-010	10.00m	FX-I250-040	40.00m
FX-I250-015	15.00m	FX-I250-050	50.00m
FX-I250-020	20.00m	FX-I250-060	60.00m
FX-I250-025	25.00m	FX-I250-070	70.00m
FX-I250-030	30.00m	FX-I250-100	100.00m



### 8K DisplayPort DP40 AOC Fiber Optic Cable

- DP version 2.0 – 40 Gbps for resolutions up to 8K 75Hz 4:2:0
- Gold plated precision contacts
- DisplayPort male to DisplayPort male, full-metal housing
- Hybrid cable – Fiber for AV; copper for power and data, Ø 4.8mm
- With EMI resistance, low attenuation, no external power supply required

Item No.	Length	Item No.	Length
FX-I260-010	10.00m	FX-I260-040	40.00m
FX-I260-015	15.00m	FX-I260-050	50.00m
FX-I260-020	20.00m	FX-I260-060	60.00m
FX-I260-025	25.00m	FX-I260-070	70.00m
FX-I260-030	30.00m	FX-I260-100	100.00m





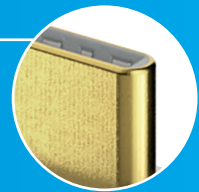
FiberX USB cables ensure high-performance data transmission over long lengths without additional extender equipment. They support USB 3.2 (Gen 2x1) and thus reliably offer a maximum data transfer of up to 10Gbps. Different combinations of USB-A, USB-B and USB-C connector types deliver all the connection options you need.

These exceptional USB cables are available in lengths of up to 50 meters, offer either bidirectionality or USB 2.0 backwards compatibility, require no external power supply and are triple shielded. Their EMI resistance and low attenuation make them the best choice for critical environments.



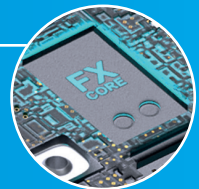
### Reversible Connector

Reversible plug orientation and cable direction.



### AOC Optical Engine

FX Core technology for flawless optical and electrical signals.



### Triple Shielding

Immune to electro-magnetic interference due to its triple shielding.





## Why is USB-C so Revolutionary?

USB Alternate Mode and the USB-C connector are by far the most important changes made to the USB standard since USB 1.1. It has brought much-needed convenience to the consumer, enabling smaller devices, universal multi-purpose cables, as well as higher speeds for faster data transfer and high-definition video streaming.

USB-C Alt-Mode allows for other types of data than USB, to be transferred over the same USB connection, such as DisplayPort, HDMI, MHL or Thunderbolt.

This is all possible thanks to the additional pins available to the USB-C connector, that USB-A and USB-B do not have. These added pins make all the difference because they are configurable. When first connected, they provide a communication channel between the two devices to request the correct Power Delivery settings. When that is set up, they describe the function of the connected device such as DP Alt-mode or USB data. The connection is so intelligent, that after the initial setup is complete the pins are reused again for other completely different signals depending on the requirement of the connected device.

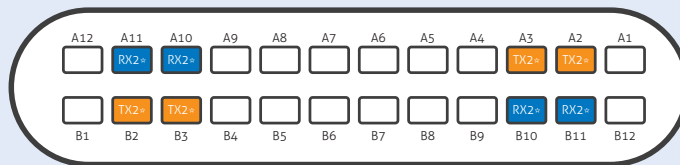
USB-C finally allows USB to live up to its name as a "Universal Serial Bus".

## USB-C Speeds Explained

Just like on a road, the more lanes, the less traffic, the faster everyone goes. With USB-C it is no different. Every USB-C connector has two high bandwidth, bidirectional connections called "lanes", transmitting (TX) and receiving (RX) data.

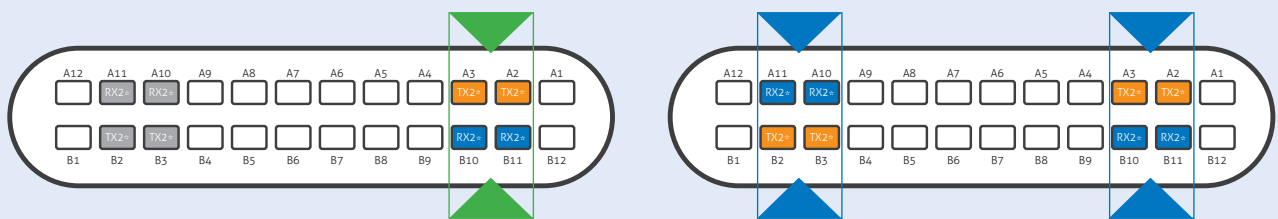
Most early USB-C products simply used one lane in either 5Gbps or 10Gbps mode. The other lane was only ever used when the connector was inserted the other way up and that alternate lane then became active. This meant that a fully equipped cable was only ever capable of using half of its bandwidth.

Later products can take full advantage of the other lane and use the cable's full potential, thus doubling the bandwidth.



The naming convention recently adopted for USB incorporates *speed x lanes* for example: USB 3.2 Gen **1x1** or USB4 Gen **3x2**. This means that just by knowing the generation number, the maximum bandwidth of a single lane becomes apparent immediately, regardless of the USB version.

USB is a complex topic, so feel free to ask your PureLink representative if you'd like to learn more.



SINGLE LANE		DUAL LANE	
USB 3.2 <b>1x1</b>	▶	<b>5Gbps</b>	–
USB 3.2 <b>2x1</b>	▶	<b>10Gbps</b>	◀ USB 3.2 <b>1x2</b>
USB4 <b>2x1</b>	▶	<b>20Gbps</b>	◀ USB 3.2 <b>2x2</b>
USB4 <b>3x1</b>	▶	<b>40Gbps</b>	◀ USB4 <b>2x2</b>
–	–	<b>40Gbps</b>	◀ USB4 <b>3x2</b>

## USB-C ↔ USB-C



### USB 3.2 USB-C AOC Fiber Optic Cable

- USB 3.2 (Gen 2x1) – 10Gbps data transmission
- Gold plated precision contacts
- USB-C male to USB-C male, full-metal housing
- Hybrid cable – Fiber for data; copper for data and power
- With EMI resistance, low attenuation, no external power supply required

#### Bidirectional data transfer

Item No.	Length	Item No.	Length
FX-I500-005	5.00m	FX-I500-020	20.00m
FX-I500-010	10.00m	FX-I500-025	25.00m
FX-I500-015	15.00m	FX-I500-030	30.00m



## USB-A → USB-C



### USB 3.2 USB-C / USB-A AOC Fiber Optic Cable

- USB 3.2 (Gen 2x1) – 10Gbps data transmission
- Gold plated precision contacts, unidirectional
- USB-A male to USB-C male, full-metal housing
- Hybrid cable – Fiber for data; copper for power
- With EMI resistance, low attenuation, no external power supply required

#### Unidirectional data transfer

Item No.	Length	Item No.	Length
FX-I530-005	5.00m	FX-I530-020	20.00m
FX-I530-010	10.00m	FX-I530-030	30.00m
FX-I530-015	15.00m		



## USB-A ↔ USB-A



### USB 3.2 USB-A AOC Fiber Optic Cable

- USB 3.2 (Gen 2x1) – 10Gbps data transmission
- Gold plated precision contacts
- USB-A male to USB-A male, full-metal housing
- Hybrid cable – Fiber for data; copper for power
- With EMI resistance, low attenuation, no external power supply required

#### Bidirectional data transfer

Item No.	Length	Item No.	Length
FX-I540-010	10.00m	FX-I540-030	30.00m
FX-I540-015	15.00m	FX-I540-040	40.00m
FX-I540-020	20.00m	FX-I540-050	50.00m
FX-I540-025	25.00m		



USB-C → USB-C



**USB 3.2 USB-C AOC Fiber Optic Cable**

- USB 3.2 (Gen 2x1) – 10Gbps - video, data and 60W PD
- Gold plated precision contacts
- USB-C male to USB-C male, full-metal housing
- Hybrid cable – Fiber for data; copper for data and power
- With EMI resistance, low attenuation, no external power supply required

USB 2.0 backwards compatible / unidirectional

Item No.	Length	Item No.	Length
FX-I600-003	3.00m	FX-I600-007	7.50m
FX-I600-005	5.00m	FX-I600-010	10.00m



USB-A → USB-C



**USB 3.2 USB-C / USB-A AOC Fiber Optic Cable**

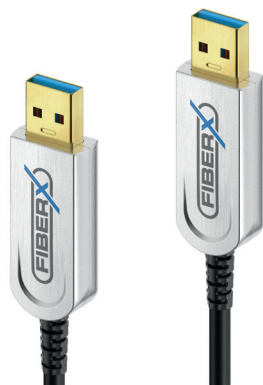
- USB 3.2 (Gen 2x1) – 10Gbps data transmission
- Gold plated precision contacts, unidirectional
- USB-A male to USB-C male, full-metal housing
- Hybrid cable – Fiber for data; copper for power
- With EMI resistance, low attenuation, no external power supply required

USB 2.0 backwards compatible / unidirectional

Item No.	Length	Item No.	Length
FX-I630-003	3.00m	FX-I630-010	10.00m
FX-I630-005	5.00m	FX-I630-012	12.00m
FX-I630-007	7.50m	FX-I630-015	15.00m



USB-A → USB-A



**USB 3.2 USB-A AOC Fiber Optic Cable**

- USB 3.2 (Gen 2x1) – 10Gbps data transmission
- Gold plated precision contacts
- USB-A male to USB-A male, full-metal housing
- Hybrid cable – Fiber for data; copper for power
- With EMI resistance, low attenuation, no external power supply required

USB 2.0 backwards compatible / unidirectional

Item No.	Length	Item No.	Length
FX-I640-003	3.00m	FX-I640-010	10.00m
FX-I640-005	5.00m	FX-I640-012	12.00m
FX-I640-007	7.50m	FX-I640-015	15.00m



## USB-A ↔ USB-B



### USB 3.2 USB-A / USB-B AOC Fiber Optic Cable

- USB 3.2 (Gen 2x1) – 10Gbps data transmission
- Gold plated precision contacts
- USB-A male to USB-B male, full-metal housing (USB-A)
- Hybrid cable – Fiber for data; copper for power
- With EMI resistance, low attenuation, no external power supply required

#### Bidirectional data transfer

Item No.	Length	Item No.	Length
FX-I545-005	5.00m	FX-I545-020	20.00m
FX-I545-010	10.00m	FX-I545-030	30.00m
FX-I545-015	15.00m		



## USB-A ↔ USB-A



### USB 3.2 USB-A AOC Fiber Optic Extension Cable

- USB 3.2 (Gen 2x1) – 10Gbps data transmission
- Gold plated precision contacts
- USB-A male to USB-A female, full-metal housing
- Hybrid cable – Fiber for data; copper for power
- With EMI resistance, low attenuation, no external power supply required

#### Bidirectional data transfer

Item No.	Length	Item No.	Length
FX-I550-010	10.00m	FX-I550-030	30.00m
FX-I550-015	15.00m	FX-I550-040	40.00m
FX-I550-020	20.00m	FX-I550-050	50.00m
FX-I550-025	25.00m		



## PI6000 | SuperSpeed USB 10Gbps Cable



See the PureLink USB catalogue for more details!



1

MAX.  
PERFORMANCE

2

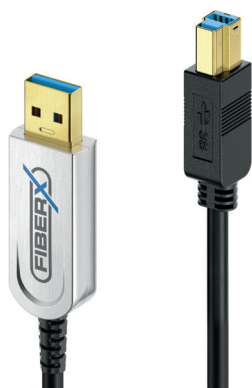
FOR  
INSTALLATIONS

3

MORE THAN  
DOUBLE THE RANGE



USB-A → USB-B



USB 3.2 USB-A / USB-B AOC Fiber Optic Cable

- USB 3.2 (Gen 2x1) – 10Gbps data transmission
- Gold plated precision contacts
- USB-A male to USB-B male, full-metal housing (USB-A)
- Hybrid cable – Fiber for data; copper for power
- With EMI resistance, low attenuation, no external power supply required

USB 2.0 backwards compatible / unidirectional

Item No.	Length	Item No.	Length
FX-I645-003	3.00m	FX-I645-010	10.00m
FX-I645-005	5.00m	FX-I645-012	12.00m
FX-I645-007	7.50m	FX-I645-015	15.00m



USB-A → USB-A

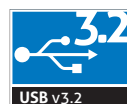


USB 3.2 USB-A AOC Fiber Optic Extension Cable

- USB 3.2 (Gen 2x1) – 10Gbps data transmission
- Gold plated precision contacts
- USB-A male to USB-A female, full-metal housing
- Hybrid cable – Fiber for data; copper for power
- With EMI resistance, low attenuation, no external power supply required

USB 2.0 backwards compatible / unidirectional

Item No.	Length	Item No.	Length
FX-I650-003	3.00m	FX-I650-010	10.00m
FX-I650-005	5.00m	FX-I650-012	12.00m
FX-I650-007	7.50m	FX-I650-015	15.00m





## Digital Signage

Remotely located and installed in areas with limited space, digital signage must be sleek in style and form. Using AOC technology, media players and power supplies can be centralized in a server room and connected by a single extra-long cable.

## Control Rooms and Video Walls

When 24/7/365 ultra-high-definition video is essential, AOC is the perfect fit. Bulletproof reliability coupled with huge resolutions up to 8K60hz can be easily achieved, while leaving the source computers at a comfortable distance from the bank of video walls.



## Health Care

Utilizing the benefits of superior EMI/RFI immunity and no need for additional PSUs, stringent medical safety requirements can be easily managed. Medics can remotely study pixel-perfect high-definition video from medical imaging devices such as MRI, x-ray machines and live keyhole surgery.



## Home Cinema

With the advent of 8K TV and the expanding market for high-end luxury home cinema, the need for far-reaching cables that provide full 48Gbps video is undeniable. With its simple plug-and-play functionality, AOC is ideal for end-user projects and professional installs alike.

## Meeting Rooms and Lecture Halls

Large meeting rooms and university lecture halls can make excellent use of AOC. Ceiling-mounted projectors and TVs must be connected through long, complex conduit systems. The thin and flexible hybrid cables allow easy installation over long distances and, unlike traditional extenders, need no additional power.



## Industry and Rental

LSZH cable jackets, reinforced armoured shielding, military-grade aramid strengthening fillers and practical cable drums add additional advantages suitable for rental and staging or industrial applications.

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