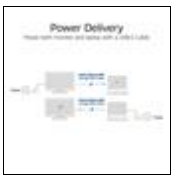
USB-C 3.2 Gen2 Active Optical Cable (AOC) connection cable, 7.5m

Item No. AK4307









DESCRIPTION

- Cable length: 7.5 meters
- USB-C Active Optical Cable (AOC) for connecting USB-C devices over a long distance without data/video/power loss
- USB-C 3.2 Gen2 for a data/video transfer up to 10Gbps

- Power Delivery (PD) support up to 20V @ 3A = 60W
- DisplayPort Alternate Mode support up to 4K @ 60Hz
- Highly resistant to RFI/EMI thus suitable for sensitive applications
- Hybrid fiber/copper design with Kevlar protected fiber
- Downwards compatible with USB 3.1/USB 3.0/USB 2.0/USB 1.1
- Available in the following lengths: 3m, 5m, 7.5m and 10m

The ACT USB-C Active Optical Cable (AOC) is made of fiber and copper and is the perfect solution for connecting USB-C devices over long distances up to 10 meters without data/video/power loss. Supports data/video transfer up to 10Gbps, a max. video resolution of 4K @ 60Hz and 60W Power Delivery. The cable has a Kevlar protected fiber and is suitable for sensitive applications due to low RFI/EMI. Ideal for use in meeting rooms, classrooms and hospitals.

AOC: copper and fiber for longer distances
Active Optical Cables (AOC) are made of copper and fiber for connecting USB-C devices over long distances without data/video/power loss. The maximum length of the cable is 10 meters.

Lossless data, video and power up to meters
Data, video and power in one cable. Standard USB-C cables have a maximum length of 2 meters. With AOC the maximum length is 10 meters without loss of data/video/power. The ACT USB-C Active Optical Cables support USB 3.2 Gen2 for data/video transfer up to 10Gbps. The AOC USB-C cable supports Display Alternate Mode up to 4K @ 60Hz. Additionally, the cables can handle 60W Power Delivery.

Highly resistant to EMI/RFI and thus suitable for sensitive applications
The ACT Active Optical cables are suitable for connecting sensitive applications due to the low EMI (Electromagnetic Interference) / RFI (Radio Frequency Interference).

The highly sensitive equipment in hospitals requires cables without having the risk of electromagnetic or radio frequency interferences.

Application in meeting rooms and classrooms
USB-C Active Optical cables are ideal for use in various professional settings. Meeting rooms are often equipped with (touch) screens and conference cameras. Lossless data, video and power is needed at the same time.

In classrooms and lecture rooms digital smart boards are often used. These digital boards need to be connected to the lecturer’s laptop over a longer distance. All functionalities of the digital boards should remain working seamlessly over this longer distance.

Additional features
The USB 3.2 Gen2 AOC is backwards compatible with USB 3.1, USB 3.0, USB 2.0 and USB 1.1.

SPECIFICATIONS

Product category	USB-C cables
Cable length	7.5 m
USB Type-C	Yes
Connector type	USB
Connector A	USB C male (x1)
Connector B	USB C male (x1)
Shielding type	100% braid, EMC
Conductor material	Copper, Fiber
Wire gauge	21, 24, 28 AWG
Outer jacket	PVC
Outer diameter	6.5 mm
Cable colour	Black
Max. Power Delivery power	60 W
Supported Power Delivery profiles	12.0V up to 3.0A, 15.0V up to 3.0A, 20.0V up to 3.0A, 5.0V up to 3.0A, 9.0V up to 3.0A
Supported USB-C protocols	DisplayPort Alternate mode, Power Delivery (SPR), USB Data
4K compatible	Yes
Max. resolution @ 30Hz	3840 x 2160
Max. resolution @ 60Hz	3840 x 2160
USB version	USB 3.2 Gen 2 - SuperSpeed 10Gbit/s (USB 3.1)
Speed	10 Gbps
Warranty (years)	5
EAN code	8716065513523