



USB AOC FLEX

FLEXIBLE USB 3.2 GEN 2 ACTIVE OPTICAL CABLE

TiGHT AV USB AOC FLEX series are active optical fiber hybrid cables that support USB 3.2 Gen 2 with data transfer rates up to 10Gbps. The cables are also backwards compatible with USB 2.0/1.1 to support a wider range of devices. They are equipped with a male USB-A connector on one side and a USB-A female on the other side.

The thin cable build with a diameter of only 4.5mm and with a narrow bending radius of 20mm and slim connectors makes it easy to use and install anywhere.

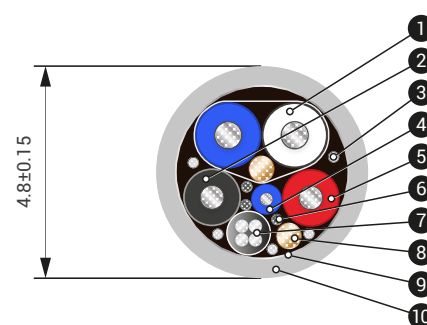
No external power is needed as it draws its power from the connected USB port. The maximum power that can be transmitted to power USB peripherals is 5V with 900mA for a maximum 4.5W.

PRODUCT RANGE

Model	Description
USB3-MA/FA-FLEX-AOC-5	Flexible USB 3.2 Gen 2 Active Optical Cable, Type A Male to Type A Female - 5 m
USB3-MA/FA-FLEX-AOC-7	Flexible USB 3.2 Gen 2 Active Optical Cable, Type A Male to Type A Female - 7 m
USB3-MA/FA-FLEX-AOC-10	Flexible USB 3.2 Gen 2 Active Optical Cable, Type A Male to Type A Female - 10 m
USB3-MA/FA-FLEX-AOC-15	Flexible USB 3.2 Gen 2 Active Optical Cable, Type A Male to Type A Female - 15 m

KEY FEATURES

- USB 3.2 Gen2 support.
- Up to 10Gbps data transfer rate.
- Backwards compatible with USB 2.0/1.1.
- Power to USB peripherals: Max 5V @ 900mA (4.5W).
- EMI and RFI protection.
- Thin cable construction - 4.5mm diameter.
- Available in 5m, 7m, 10m and 15m lengths.



CABLE BUILD

1. 24AWG*1P
2. 21AWG*1C
3. Cotton
4. 28AWG*1C
5. 20AWG*1C
6. Kevlar
7. Fiber
8. Ground Wire
9. AL/Mylar
10. Jacket

TiGHT POLICY

Faulty product - minimal down time.

Up until six months after purchase, TiGHT AV will replace your product in advance of return of faulty product.

Your investment - built to last.

All TiGHT AV Active Fiber Optic Cables comes with a one year limited warranty.



SPECIFICATIONS

DATA

Max Data Rate:	10 Gbps
USB Compliance:	USB3.2 (Gen2/Gen1), USB3.1 (Gen2/Gen1), USB3.0, USB2.0, USB1.1

PHYSICAL

Type:	USB AOC Hybrid Cable
USB Host Connector:	Male USB type A, Nickel plating Connector
USB Device Connector:	Female USB type A, Nickel plating Connector
Metal Connector Housing:	Die cast zinc alloy
Connector Dimensions(Male):	40 x 18 x 9 mm
Connector Dimensions(Fem):	49 x 18 x 9 mm

CONDUCTORS

Inner Conductor Material:	Fiber / Copper
Copper Conductors:	20 AWG
Fiber:	OM3
Wire Specification:	(24AWG*1P+D+AL+HM)*1+21AWG*1C+20AWG*1C+28AWG*1C+Fiber+D+F+AL

SCREENING

Type:	Triple shielding: Polyethylen, Kevlar and Aluminium Mylar
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JACKET

Color:	Black
Diameter:	4.50 ± 0.2 mm
Material:	PVC

MECHANICAL

Cable Bending Radius:	20 mm
Connector max pulling force:	180N (18kg)
Cable max pulling force:	250N (25kg)

ELECTRICAL

Power Consumption (Max):	140mW (for both sides)
Power Transmitted (Max):	4,5W (5V@ 900 mA)
Operating Temperature:	(-)10°C ~ 50°C 10% ~ 90%, non-condensing
Storage Temperature:	(-)4°C ~ 60°C 10% ~ 90%, non-condensing

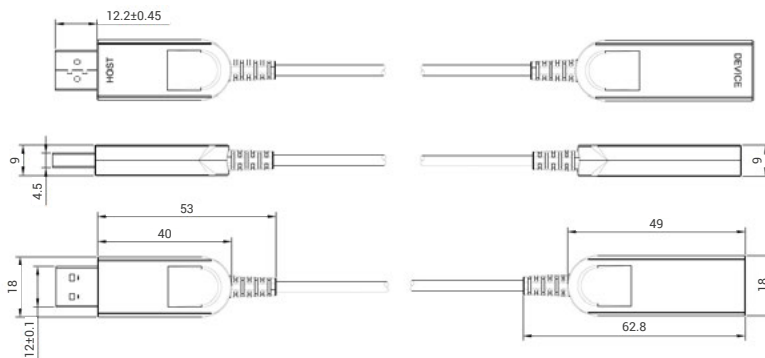
STANDARDS COMPLIANCE

Safety:	CE/FCC/UKCA
Environmental:	RoHS, REACH

WARRANTY

Warranty:	1 Year Limited Warranty
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CONNECTORS



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TIGHT POLICY

Faulty product - minimal down time.

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