

Model : ATZ AOC-UC3120D-xxM (xx=length)

Description: USB 3.2 Gen 2 type C to C AOC data version, Downward compatible with USB 2.0/1.1, 10Gbps, Support max 5V/1.5A power to remote devices.
(Lengths: 5M/8M/10M/12M/15M/20M/25M/30M/35M/40M/45M/50M)



ATZ USB 3.2 Type C - Type C AOC is hybrid copper and fiber cable in the market. Support 10Gbps super speed, meets USB3.2 Gen 2 standard, can downward compatible with USB 2.0/1.1, support max 50m. It is a mature & competitive solution in the high speed data transmission market. It is popularly used for VR gaming and camera where Super speed data transmission is required for longer transmission distances of up to 50m max. It allows for more stable signal quality, no EMI issues, support 10Gbps super speed, meets USB3.1 standard, and downward compatible with USB 2.0/1.1 ($\geq 20m$, downward compatible to USB2.0 only) It is a mature & state of art solution in the high speed data transmission market.

Features:

- Meet USB 3.2 Gen2 Standard, reach up to 10Gbps bandwidth super speed.
- Downward Compatible to USB2.0/1.1 (for $\geq 20m$, downward compatible to USB2.0 only)
- Uncompressed signal and the image quality is not distorted.
- Hybrid copper and fiber cable, anti-interference, no radiation, strong resistance to EMI
- Standard USB Type C interface

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- 850nm VCSEL and PIN photodetector
- Plug and play, support hot plug
- Cable OD less than $\Phi 4.5$ mm (4 fiber + 5 copper wire) for lighter application
- No external power supply required
- Support all major operating systems
- Support max 50meters support customization.
- Support 5V 1.5A power maximum to the remote device. (≥ 20 m, 5V/900mA)

Applications:

- Mobile Phone, PC, Cameras;
- VR, Mobile terminal
- Home Theatre;
- Medical Imaging Equipment;
- LED signboards in streets and in sports stadiums;
- TV broadcast Station;
- Airplane On-board Video System;
- Conference Room;
- Digital Signage;
- Advertising, Auditorium, and Kiosk;

***Remarks:** This is a uni-directional cable. Please ensure correct connection with connector ends labelled with \rightarrow to "Host" and \rightarrow to "Device"

Specifications:

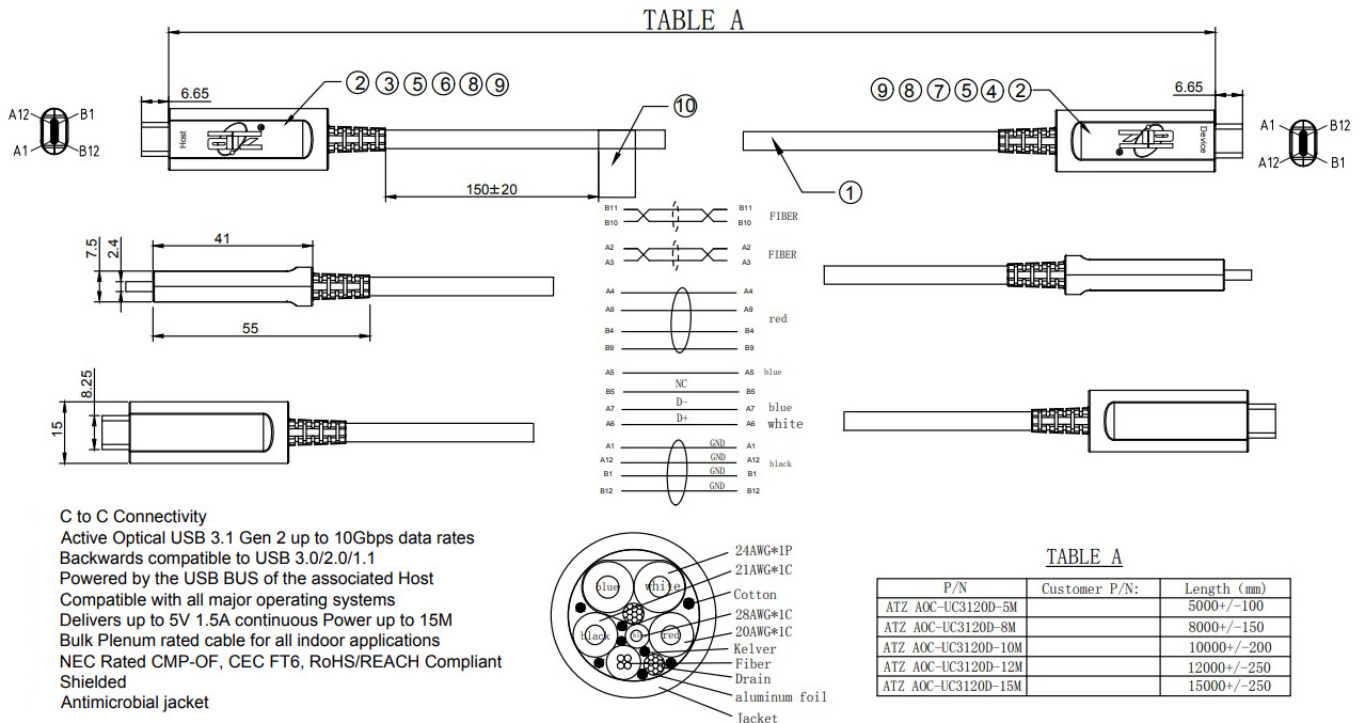
Parameter	Minimum	Typical	Maximum	Unit	Remark
USB3.2 Gen2 Transfer Rate		10Gbps	10Gbps		Uni-directional ,10Gbps
Operating Temperature	-20	25	70	°C	
Power Consumption	0.35	0.4	0.5	W	TX & RX AOC
Supply Voltage	4.5	5	5.5	V	
Working Current		90		mA	
Tensile strength		200		N	Short term 300N, Long term 150N
Crush resistance		100		N	Short term 500N/100mm, Long term 100N/100mm
Minimum bending radius	20	40		mm	static (working) 40mm

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Minimum bending radius (dynamic)		20000		cycle	180°swing, NO Open
Diameter		4.5		mm	
Cable length	0.2	3	50	M	
Wavelength		850		nm	
Execution error rate		1.00E-11			
VCSEL output power		Class 1			EN 60825-1 2007 EN 60825-2 A2 2010
Hot plug		Yes			
Wire Spec.	fiber	4*OM3-850		nm	G651 OM3
Flammability	UL13 Standard				
Connector Structure		24		Pins	USB C Type Port
RoHS directive	RoHS				

Product Diagram:



Warranty: 2 Years

Warranty is effective from the date of original delivery.

This warranty shall be void if a serial number has been removed from the product.