

Model : ATZ AOC-UC3120DRA-xxM (xx=length: 5/8/10/12/15)

Description: USB 3.1 type C (90°) to type C AOC - **Data version**, Downward compatible with USB2.0/1.1, 10Gbps, Support max 5V/1.5A power to remote devices. (5M/8M/10M/12M/15M)



ATZ USB 3.1 Gen2 Type-C Active Optical cable is popularly used for VR gaming and camera where Super speed data transmission is required for longer transmission distances of up to 15m 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. It is a mature & state of art solution in the high speed data transmission market.

Features:

- Meet USB 3.1 Gen2 Standard, reach up to 10Gbps bandwidth super speed
- 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
- 850nm VCSEL and PIN photodetector
- Plug and play, support hot plug
- Cable OD less than $\Phi 4.5$ mm, lighter application
- No external power supply required
- Support 5V 1.5A power maximum to the remote device
- Applicable length: 0.2-15 meters, support other distance customization.

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Applications:

- Mobile Phone, PC, Cameras;
- 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 → to “Host” and → to “Device”.
The cable will not be damaged, nor will it cause the connected devices to be damaged, due to wrong connection.

Specifications:

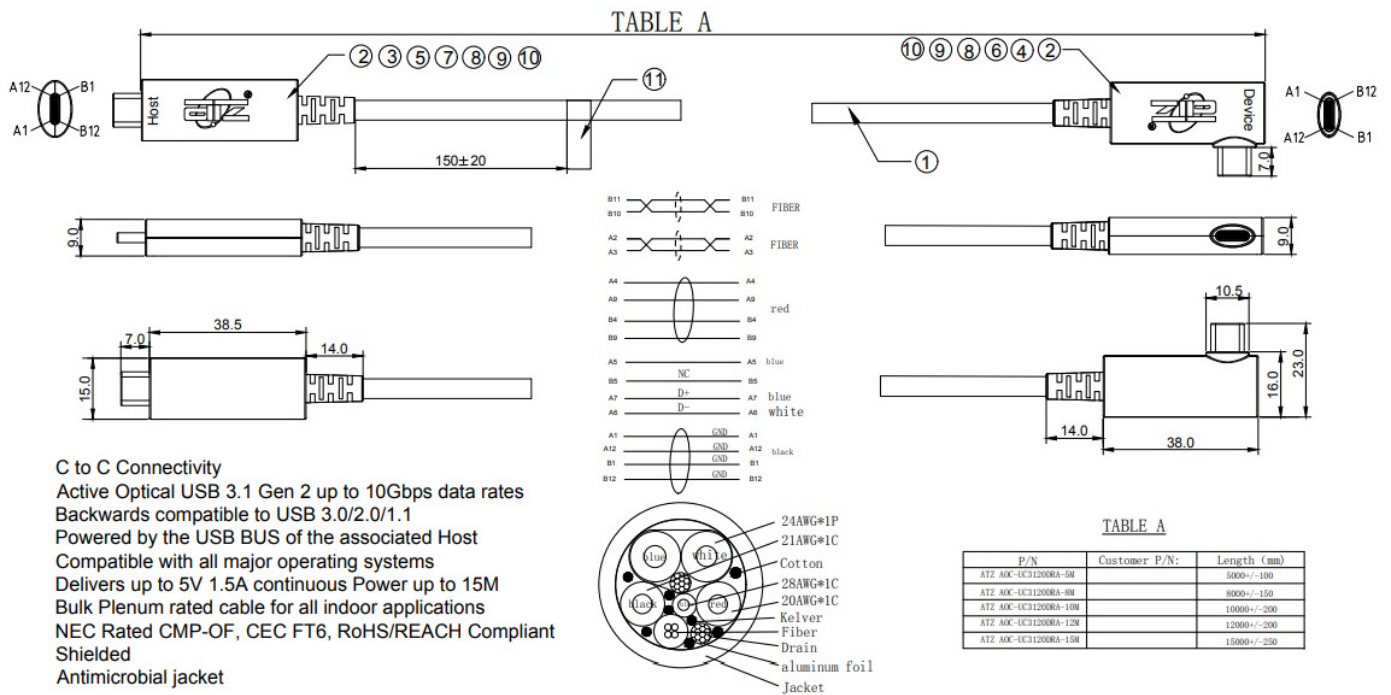
Parameter	Minimum	Symbol	Maximum	Unit	Remark
USB3.1 Transfer Rate		10	10		Uni-directional ,10Gbps
Operating Temperature	-20	25	50	°C	
Consumption	0.35	0.4	0.5	W	TX & RX AOC
Supply Voltage	4.5	5	5.5	V	
Working Current		90		mA	
Tensile strength		200		N	Short term 300N, Long term 150N
Crush resistance		100		N	Short term 500N/100mm, Long term 100N/100mm
Minimum bending radius	20	40		mm	static (working) 40mm
Minimum bending radius (dynamic)		20000		cycle	180°swing, NO Open
Diameter		4.5		mm	
Cable length	0.2	3	15	M	
Wavelength		850		nm	
Execution error rate		1.00E-11			
VCSEL output power		Class 1			EN 60825-1 2007

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				EN 60825-2 A2 2010
Hot plug	Yes			
Wire Spec.	fiber	2*OM3-850	nm	G651 OM3
Connector Structure	24			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.