
SPECIFICATIONS



USB 3.2 AM to Type C AOC Backward compatible version

Descriptions

MicroConnect USB3.2 AM to USB-C Active Optical Cable (AOC) is a USB 3.2 electrical to optical conversion module. This product can translate signals between USB 3.2 electrical and optical signals. AOC is a cabling technology that accepts the same electrical inputs as a traditional copper cable but uses optical fiber between the connectors". AOC offer a quick solution to supply longer cable for USB3.2 application. The USB fiber cable length can be up to 50m with USB 3.2 version and downward compatible with USB 2.0. Chip technology can realize mutual conversion between USB3.0 and USB2.0 protocols on remote side device, so as to enable USB2.0 equipment to share the super speed bandwidth (10Gbps) of USB3.2.

Key Features

- ◆ Meet USB 3.2 Gen2 Standard , bandwidth can reach to 10Gbps super speed;
- ◆ Support length up to 50m.(Custom length is available) ;
- ◆ Support 5V 900mA max;
- ◆ Downward compatible with USB2.0 ;
- ◆ No RF interference , working stable in complex environments .

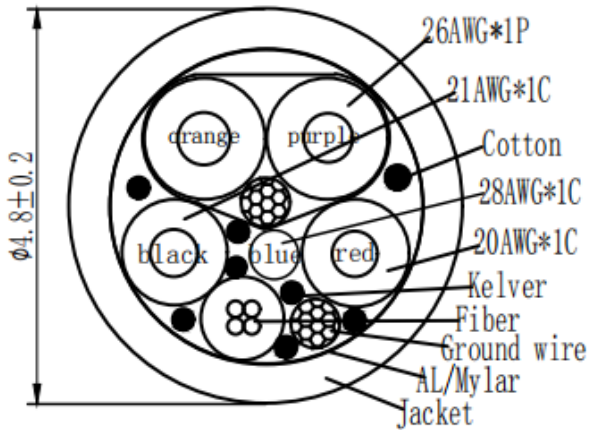
Applications

- ◆ Cameras
- ◆ Computers
- ◆ Tablets
- ◆ Smartphones
- ◆ Hard drives
- ◆ Monitors

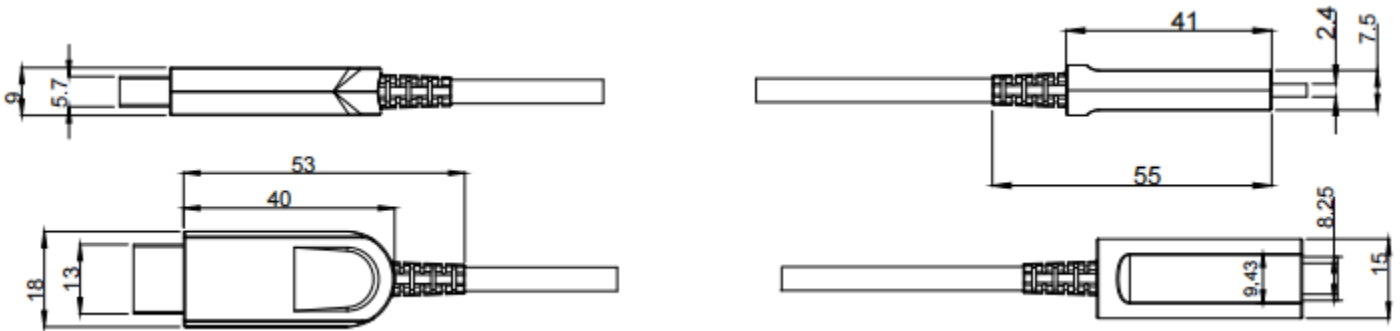
Specifications

Item	Description
Connector Type	USB A Male ; USB-C Male
Bandwidth	USB Gen2, 10Gbps
Power Consumption	≤0.5W
Supported Distance	50m
Operating Temperature	-40°C~+70 °C
Flammability	UL13 Standard
Environment Protection	ROHS

Hybrid Cable Profile



Drawing



Ordering Information

Part Number	Description
MC-USB3.2CA5OP	USB 3.2 A-C AOC backward compatible, 10Gbps, L=5m
MC-USB3.2CA10OP	USB 3.2 A-C AOC backward compatible, 10Gbps, L=10m
MC-USB3.2CA15OP	USB 3.2 A-C AOC backward compatible, 10Gbps, L=15m
MC-USB3.2CA20OP	USB 3.2 A-C AOC backward compatible, 10Gbps, L=20m
MC-USB3.2CA25OP	USB 3.2 A-C AOC backward compatible, 10Gbps, L=25m
MC-USB3.2CA30OP	USB 3.2 A-C AOC backward compatible, 10Gbps, L=30m