
SPECIFICATIONS



TA-CP177 Series

USB 3.2 AM to Type CM AOC

Backward compatible version

Descriptions

Techaagam's 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 offers a quick solution to supply longer cables for USB3.2 applications. The USB fiber cable length can be up to 50m with USB 3.2 version and also downward compatible with USB 2.0. Chip technology can realize mutual conversion between USB3.0 and USB2.0 protocols on remote side devices, enabling 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;
- ♦ Support two sides plug and play on type C connector;
- ♦ Downward compatible with USB2.0 (Don't support USB1.1);
- ♦ No RF interference, working stable in complex environments.

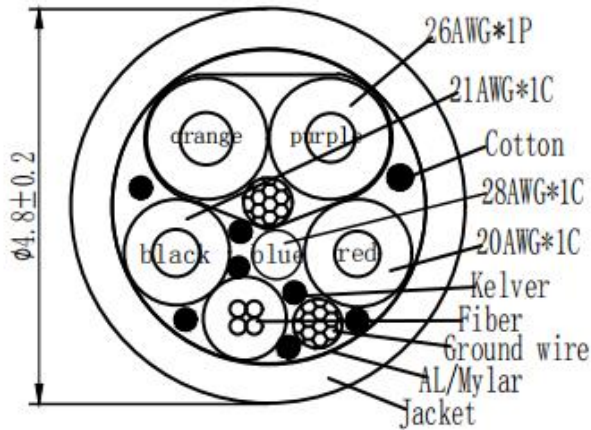
Applications

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

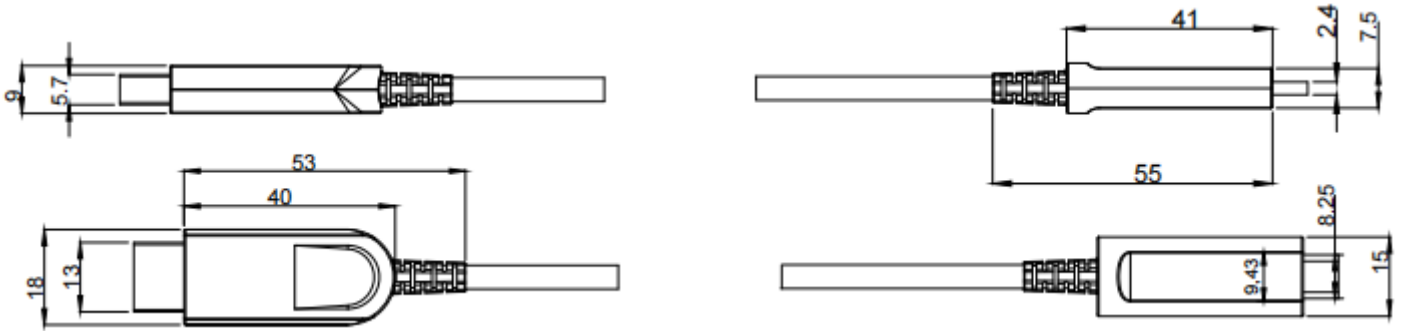
Specifications

Item	Description
Connector Type	USB A Male; USB Type 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
TA-CP177E	USB 3.2 A-C AOC backward compatible, 10Gbps, L=5m
TA-CP177F	USB 3.2 A-C AOC backward compatible, 10Gbps, L=10m
TA-CP177G	USB 3.2 A-C AOC backward compatible, 10Gbps, L=15m
TA-CP177H	USB 3.2 A-C AOC backward compatible, 10Gbps, L=20m
TA-CP177I	USB 3.2 A-C AOC backward compatible, 10Gbps, L=30m
TA-CP177J	USB 3.2 A-C AOC backward compatible, 10Gbps, L=50m