USB 3.0 Active Optical Cable

AM to AF backwards compatible with USB 2.0

USB 3.0 Type-A Male to USB 3.0 Type-A Female

- Extend USB 3.0 and 2.0 devices up to 30 meters (100ft)
- Supports all USB 3.0 devices (compatible with USB 2.0)
- Convert USB electrical data signal to optical signal
- Supports USB 3.0 @ 5Gbps
- Plug and Play
- Fully featured Optical Transceiver integrated circuit includes a receiver and a transmitter
- 850nm VCSEL transmitter and PIN photo-detector receiver
- Supports all major operating systems including Windows, Mac OS, and Linux
- Number of devices can be increased using additional hubs
- Low power consumption
- Power adapter at the host is optional, can provide 5V 900mA power maximum to the remote device
- Ideal for a wide variety of USB devices, from printers, scanners, hard drives, and audio devices, to touch screens, webcams, and game consoles.

USB 3.0 AOC

Available length: 5m, 10m, 15m, 20m, 25m, 30m

Diagram

Device — Step **1** — AF — AM — Step **2** — Host

Datasheet

Product Name	USB 3.0 Active Optical Cable
Description	USB 3.0 Active Optical Cable backward compatible with USB 2.0
Connector	USB 3.0 Standard-A Male to A female plug
Max. data rate	5.0Gbps
Range	30m over multimode optical fiber
Optical Transceiver	850 nm VCSEL (multimode)
Cable diameter	4.5 mm
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F).
Humidity	5% to 90% (non-condensing)