



ACTIVE USB-C CABLE

Avtek C-Fiber



Avtek

Inspire | Engage | Lead

The Avtek USB-C active optical cable transmits video, data, touch signals and power through a single cable. It provides a stable connection over longer distances, making it ideal for conference rooms, educational environments and installations with interactive displays. Its slim design facilitates cable routing and helps maintain a clean installation.



AOC
Active optical cable



USB 3.1
Gen 2 / 10 Gbps



DP 1.4
4K@60Hz



GENERAL INFORMATION

Cable type	Active optical cable (AOC)
Construction	Hybrid: optical fibre + copper conductors
Connectors	USB-C male to USB-C male
Colour	Black

VIDEO TRANSMISSION

Video transmission standard	DisplayPort 1.4 Alt Mode, 2 lanes
Maximum resolution	3840 × 2160 at 60 Hz; up to 8K at 30 Hz
Chroma sampling	4:4:4
Colour depth	8-bit; up to 10-bit with DSC
HDR	HDR10
HDCP	HDCP 2.2 / 1.4
DSC	DSC 1.2
Audio transmission	Yes, via DisplayPort
Video transmission direction	Unidirectional (SOURCE → DISPLAY)

DATA AND TOUCH TRANSMISSION

USB standard	USB 3.1 Gen 2
Maximum data transfer rate	10 Gbps
Backward compatibility	USB 2.0
Data transmission direction	Bidirectional
Touch/HID support	Yes
Simultaneous transmission	Video, data, touch and power

POWER DELIVERY

USB Power Delivery	PD 3.0
Maximum power delivery	60 W
Maximum voltage and current	20 V / 3 A

MECHANICAL PARAMETERS

Cable diameter	4.8 mm
Jacket material	TPE
Connector housing	Matte gunmetal finish, zinc-alloy inner housing
Connector housing dimensions	47.8 × 14.4 × 7.65 mm
Operating temperature	0°C to 70°C
Minimum bend radius	30 mm

OTHER INFORMATION

Available lengths	5 m, 10 m, 15 m
Warranty	3 years