KanexPro®

DisplayPort 2.0 8K 40Gbps Active Fiber Long Cable - 90M

8K@60Hz Supports DP2.0 UHBR10, 4 Lane 10Gbps Each. Plug and Play

MPN: CBL-AOCDP8K-90M

KanexPro Active Fiber (AOC) DP 2.0 Cable is an ideal cable for connecting a high-resolution DisplayPort source to a high-resolution display. Not limited to short two to three-meter lengths active fiber cables can transmit perfect signals up to 90 meters (294ft). It fully supports the DisplayPort 2.0 specification, which provides for up to 40 Gbps bandwidth, as well as some of the features from the DisplayPort 2.0 specification, such as High Dynamic Range (HDR) video. It supports video resolutions up to 4K@144Hz and 8K@60Hz. It is backwards compatible with all previous DisplayPort versions and requires no external power source.

Next generation active optical DP cables designed for next generation 8K HDR content, the KanexPro active fiber DP cable delivers uncompressed full bandwidth overall transmission bandwidth to 40 Gbit/s with the new UHBR10 mode featuring 10 Gbit/s per lane up to 9m/2940ft using the latest transmission technology. KanexPro AOC DP2.0 cables support additional DP features like Multi-Stream Transport (MST), Dolby Vision and AMD Freesync™ 2.0 modes. The 40 Gbit/s of bandwidth means that these cables are guaranteed to work with all modern 8K monitors. AOC DP Cables should be your only choice for all your high-performance display needs.

Key Features:

- No external Power required
- Plug and Play
- HDCP1.4/2.2 Support
- Supports DP2.0 UHBR 10 standard, 10Gbps per channel, 40Gpbs total bandwidth.
- EDID Support
- No Signal Loss
- Supports both Single Stream Transport (SST) and Multi-Stream Transport (MST) modes
- Compatible with AMD® FreeSync™ 2.0 technology
- Supports High Dynamic Range (HDR) video
- Supports video resolutions up to 8K@60Hz, including 4K@144Hz
- Supports DisplayPort Dual-Mode (DP++)

SPECIFICATIONS

Standards Compliance	DisplayPort 2.0/HBR10, HDCP 1.4/2.2
Maximum Pixel Clock Frequency	810 MHZ
Maximum Video Bit Rate	Supports up to 10 Gbps per lane, 40Gbps Total
Maximum Color Depth	48bits
Maximum Supported Resolutions	8K@ 60Hz
DisplayPort Input / Output	20-pin DisplayPort
Power	No external power supply is required
AUX Channel Communications	Supports bidirectional communications for EDID,HDCP, Link Training,etc.
HDCP Support	HDCP 1.4 and HDCP 2.2
Optical Technology	4x Discrete Optical Channels, 10GHz, 850nm
Optical Transmitter	Tx Module:4x 850 nm Multi-mode VCSELs
Optical Receiver	Rx Module:4x GaAs PIN Photo Diodes
Fiber Cable Type	Hybrid cable 4x fiber and 8x copper wire
Length	90M meters
Maximum Tensile Load	300N
Minimum Bend Radius	48mm
Cable Outside Diameter(W+H)	4.8mm
Operating Temperature	0ºC to 50ºC
Storage Temperature	-20ºC to 80ºC
Operating / Storage Humidity	5% to 85% (non-condensing)
Power Source	Powered from DisplayPort source device
Power Consumption	<0.5 watt each end