PeopleLink HDMI 2.0 AOC Cable

PeopleLink's 4K UHD Active Optical Cables For Next-gen AV Applications

When it comes to cabling, Active Optical Cables (AOC) uses optical fibre "between the connectors" but accepts the same electrical inputs as a conventional HDMI Extender. AOC uses electrical-to-optical conversion at the cable ends to boost the cable's speed and range performance without compromising its ability to work with standard electrical connectors.

In simple words, to replace the HDMI Extender technology in data centers and high-performance computing (HPC) applications, Active Optical Cable (AOC) assemblies were developed.

AOC vs. Basic HDMI Extender Cable Technology:

HDMI Extender technology is being pushed to its limits by increasing data rates and the size of data center clusters. Conventional extender has a reach of only up to 50 meters at a Double Data Rate (DDR) of 20 Gigabits per second (Gbps).

For smaller clusters, this might be acceptable, but for bigger clusters, the physical link distance makes the cluster's physical architecture a serious difficulty. For example, it is usual for designers to incorporate amplifiers, signal regenerators, or similar devices within a cable assembly because high-speed extender cable assemblies have natural bandwidth-distance constraints.

PeopleLink

Benefits of PeopleLink Active Optical Cables:

• Ultra-Superior Bandwidth

Boosts UHD 4K60 (4:4:4) with complete signal integrity, HDMI 2.0 and with complete signal integrity, HDMI 2.0 and with absolute signal integrity.

• Elimination of Delays or Signal Loss

For 24/7 AV applications, active optical cables are perfect. They guarantee excellent performance and prompt signal transfer.

• Simple Installation

Plug-and-play cable that is simple to navigate through confined places and around corners, it easi conceals today's ultra-thin displays.

• Consistent Performance

Take advantage of a steady signal transmission while other options fall short. Reduce electromagnetic noise and EMI/RFI interference, which reduce signal quality.

Key Features for HDMI 2.0 Type A to Type A AOC Cable

• Up to 100m Max Length (Custom Length Available)

• Support 4K@60Hz 4:4:4

• Support 18Gbps bandwidth

• Support HDCP1.4 & HDCP 2.2

• Support HEC, CEC, EDID, HDR, ARC, 3D

• Highly resistant to EMI and RFI

• No external power supply

• Plenum and CPR certified

Ordering Information

Part code

PeopleLink HDMI AOC Cable : 5 Meter	: PPL-CP-H2A-AO-5
PeopleLink HDMI AOC Cable : 10 Meter	: PPL-CP-H2A-AO-10

GLOBAL HEADQUARTERS

Q3-A3, 10th Floor, Cyber Towers, Hitech City, Madhapur, Hyderabad - 500 081 (India)
Phone: +91 (40) 66903959 / 60
Email: vc@peoplelinkvc.com

INTERNATIONAL CONTACT NUMBERS

USA : +1-321-2163070
UK : +44-20-35190197

Africa : +27-10-5001977
Australia: +61-29-0988367

Canada : +1-647-4964195
Middle East : +973-1-6199342

Follow us: www.peoplelinkvc.com/social-presence

PeopleLink Public Document | PeopleLink Unified Communications Pvt. Ltd. | ISO 9001:2015 & ISO/IEC 27001:2013 Certified Company.

PeopleLink
AI PoweredCollaboration