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CP-AOCH/PF

Pure fiber Optical Armored 4K HDMI Cable



CP-AOCH/PF cable is a pure fiber high-speed HDMI active optical cable (AOC) designed with heavy-duty durability perfectly suited for the medical and sensitive EMI applications. CP-AOCH/PF supports resolutions up to 4K@60 (4:4:4) 18 Gbps over long cable runs up to 100 meters

FEATURES

High Resolution over Long Range - Active cable supports resolutions up to 4K@60 (4:4:4) over long cable runs up to 100 meters

High Data Transfer Rate - Up to 18 Gbps

EDID and HDCP support

Deep Color and x.v.Color™, 5.1/7.1 lossless Dolby® TrueHD and DTS-HD Master Audio®

High-quality connectors: 24K gold-plated, corrosion-resistant and best possible connectivity

Pull-resistant - K-Lock™ connectors with 15 lbs. of restraining force

Plug & Play operation

Cable construction - 8xMM fiber in a 4.0mm plenum rated jacket

Extremely Durable - integrated. stainless steel, corrugated tube with Kevlar reinforcement protects the internal optical fibers. A TPU jacket, heavy duty connectors and robust waterproof & impact resistant connector covers ensure high pulling strength and compression load. Dispensed from a solid, mobile plastic spool

Varied Selection of Lengths - Available in versions from 10 to 100m (33 to 328ft)



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TECHNICAL SPECIFICATIONS

Video	Video Resolution: Up to 4K 60Hz 4:4:4 (3840x2160 & 4096x2160) Data Rate: Up to 18 Gbps HDMI Compliance: HDCP and EDID
Audio	Supported audio formats (when Audio is enabled): Dolby® Digital Plus, Dolby® TrueHD, DTS-HD Master Audio®, DVD Audio, SA-CD
PHYSICAL	Connector-1 (source end): Male HDMI Type A, 24K gold-plated Connector-2 (display end): Male HDMI Type A, 24K gold-plated K-Lock connector (external power input via USB pigtail with type A connector) Cable material: Plastic shell with aluminum shield over the PCBA Cable construction: 8xMM fiber cable OM3 Long term crush resistance: 500N(50kg) Short term crush resistance: 2000 (200kg) Bending radius: 20mm Min Long term tensile strength test: 80(8kg) Short term tensile strength test: 150(15kg) Strain Relief (SR) pulling force: 12kg max
JACKET	Material: PVC Plenum rated Color: Black Diameter: 4.0±0.3mm
Power	Source: No external power supply is needed (draws current from the video source) Display: Need to connect the USB type A connector for external power supply
Environmental Conditions	Operating Temperature: +32~+122°F (0~+50°C) Storage Temperature: -40~+158°F (-40~+70°C) Operating Humidity: 10 ~ 80%
REGULATORY	Environmental: CE, FCC, TUV for UL 62368-1:2019 CSA C22.2 NO. 62368-1:19 Safety: RoHS 2011/65/ EU





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CONFIGURATIONS

CP-AOCH/PF-33	Active Optical Armored 4K HDMI Cable
CP-AOCH/PF -50	Active Optical Armored 4K HDMI Cable
CP-AOCH/PF -66	Active Optical Armored 4K HDMI Cable
CP-AOCH/PF -98	Active Optical Armored 4K HDMI Cable
CP-AOCH/PF -131	Active Optical Armored 4K HDMI Cable
CP-AOCH/PF -164	Active Optical Armored 4K HDMI Cable
CP-AOCH/PF -197	Active Optical Armored 4K HDMI Cable
CP-AOCH/PF -230	Active Optical Armored 4K HDMI Cable
CP-AOCH/PF -262	Active Optical Armored 4K HDMI Cable
CP-AOCH/PF -328	Active Optical Armored 4K HDMI Cable