



EverPro Technologies Company Ltd.

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# HDMI Active Optical Cable

## EPH2C03

Rev. 1.0



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# 1 Description

EverPro's EPH2C03 product is a HDMI2.0 active optical cable (AOC) with high bandwidth, low power consumption and low cost. Using optical fiber to replace copper wire as the high-speed signal transmission medium, EPH2C03 can perfectly transmit 4k@60hz UHD image up to more than 100 meters. Compared with the traditional copper wire, EPH2C03 AOC is much longer, softer, more slim, with better signal quality and perfect EMI/EMC feature. Compared with other HDMI optical fiber transmission solution, EPH2C03 AOC is easy to use, has perfect compatibility, and no external power supply needed.

# 2 Feature

- 1) Long distance transmission, over 100 meters
- 2) HDMI2.0 standard, support up to 4K@60hz UHD display
- 3) Support HDCP2.2
- 4) Not support Ethernet and ARC
- 5) Plug and play without driver dependent
- 6) Thinner, lighter and softer than conventional copper cable
- 7) Highly resistant with EMI and RFI
- 8) No external power needed



# 3 Specification

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**Cable Length**

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Up to 100m

Catalog

20m/30m/40m/50m/70m/100m

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**Interface**

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HDMI type A pluggable - HDMI type A pluggable

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**Bandwidth**

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HDMI2.0, 18Gbps, support 4k@60hz UHD display

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**Power**

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No external power needed

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**Power Consumption**

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250mW

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**Mechanical / Condition**

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Cable diameter

4.0mm

Bend Radius (Dynamic/Static)

20mm/10mm

Tensile Strength (Long term/Short term)

100N/200N

Crush Resistance (Long term/Short term)

200N/400N

Operating and Storage Temp

-40 - 70°C

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## 4 Part Number

Part Number	Description
EPH2C03-A0A0KxxxMSG	HDMI AOC , Type A male to male , Silver metal housing  xxx=xxx meter, for example 050=50 meter

①: All of standard cables have no logo. NRE is need if adding customized logo.



# 5 Application

- 1) Home Theater
- 2) High definition Video Meeting System
- 3) Medical Video System
- 4) High definition Video Surveillance System
- 5) Digital Signage and TV Wall

Home Theater



HD video conference



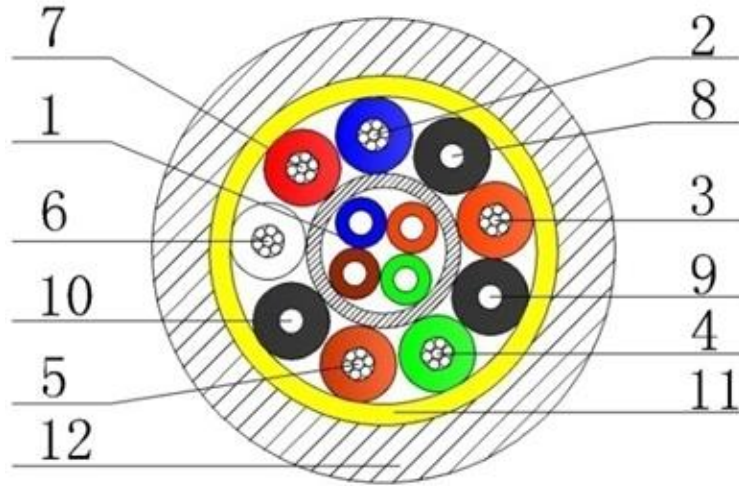
Outdoor large screen display system



Medical,military image system



# 6 Fiber Specification



Item	Contents	Value	Supplement
1	Sub cable	A1a,A1b or other types, Tight Buffer Fibers	4 cores (Blue、Orange、Green、Brown) OD=1.3—1.6mm
2-7	Insulation Stranded copper wires	7*0.127,28AWG or other types	7 cores, OD=0.60—0.75mm (Blue, Orange, Green, Brown, White, Red)
8-10	Filler		3 Cores, Black, OD=0.68-0.75mm
11	Kevlar	Strength Member	4*1610dtex or other types
12	Outer Jacket	Black LSZH	OD=3.95±0.15mm

### Cable stamp:

“EP HDMI G3 A1b xxxx 0000m” or “EP HDMI G3 BIM3 xxxx 0000m”

xxxx = cable number

