



EverPro Technologies Company Ltd.

长芯盛（武汉）科技有限公司



HDMI Active Optical Cable

EPH2C03

Rev. 1.2



EverPro Technologies Company Ltd.



Contents

1	DESCRIPTION	3
2	FEATURE.....	3
3	SPECIFICATION	4
4	PART NUMBER	5
5	APPLICATION.....	5



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 to EMI and RFI
- 8) No external power needed



3 Specification

Cable Length

Up to 100m

Catalog

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

Interface

HDMI type A plug - HDMI type A plug

Bandwidth

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

Power

No external power needed

Power Consumption

250mW

Mechanical / Condition

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 / Storage Temp

0~50°C / -20~70°C



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