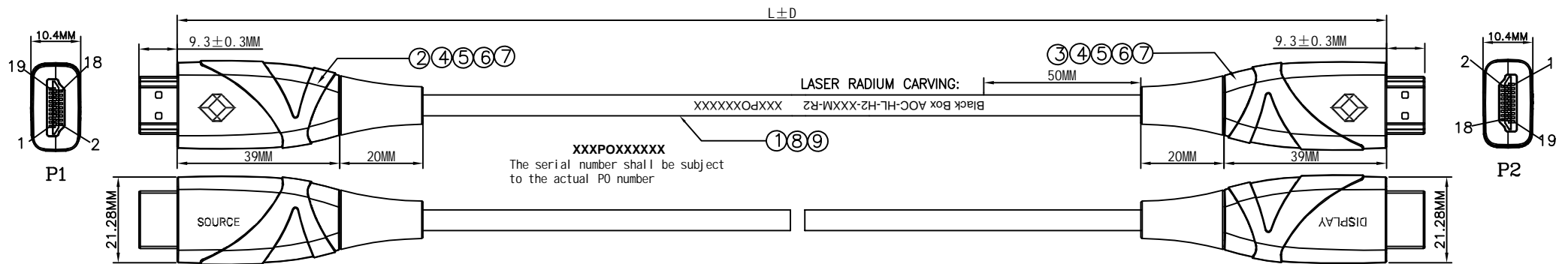


REVISIONS		
Rev	DESCRIPTION	DATE
A	INITIAL RELEASE	12/01/2023



**Features:**

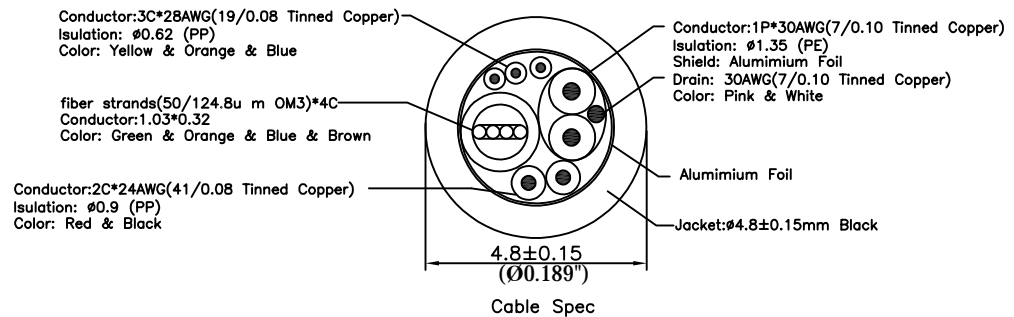
- 1.High Speed Fiber Optics,Ultra HD(4K),Deep Color(48-bit),Supports 3D Displays;
- 2.Extend HDMI Up to 200m over Fiber Optics(MMF);
- 3.Compliant to Link with All HDMI A-Type Connector;
- 4.Compliant with HDMI2.0 Version and Category 2(600MHz Clock Frequency) Specifications;
- 5.850nm VCSEL Array Transmitters,PIN Array Photo-detector Receivers;
- 6.Support 4k/3D/1080p/1080i/720p Format;
- 7.Support DHCP/EDID/CEC/DDC/Audio;
- 8.Plug and Play,No Software to Be Installed;
- 9.Longer,Thinner Cable without EMI/RFI Emissions;
- 10.RoHS Compliant;
- 11.The cable diameter is recommended for winding:50MM Bend Radius
- 12.Operating and Storage temperature / humidity:  
operating temperature:20°C~+70°C,operating humidity:10%~85%RH.  
storage temperature:-20°C~+85°C,storage humidity:5%~89%RH.
- 13.Support up to 32 audio channels with 1536hz sampling rate.
- 14.Support 21:9 cinema aspect ration.
- 15.Supports HDCP 2.2 and audio return channel (ARC).  
The ARC of HDMI:length limitation 100m and below.
- 16.Using OM3 fiber cable.
- 17.Tensile strength is 200N
- 18.MTBF:144717800H
- 19.Made in Vietnam

**PRODUCT SPECIFICATIONS :**

- 1.Cable: HDMI2.0 AM TO AM AOC CABLE
- 2.Connector Plating and Material: HDMI AM:PHOTOELECTRIC CONVERSION MODULE (RX)  
SOURCE TERMINAL,PIN GOLD PLATED 15U" , SHELL GOLD PLATED 3U"
- 3.Connector Plating and Material: HDMI AM:PHOTOELECTRIC CONVERSION MODULE (TX)  
DISPLAY TERMINAL,PIN GOLD PLATED 15U" , SHELL GOLD PLATED 3U"
- 4.Color: Black Cable
- 5.Material:ZINC ALLOY HOUSING
- 6.RoHS 2.0: Yes
- 7.Resolution Supported: 4K\*2K / 60Hz
- 8.Cable Specifications:  
NO-UL~[30AWG(7/0.10TC)+EA]\*2C+28AWG(19/0.08TC)\*3C++24AWG(41/0.08TC)\*2C+FIBER STRANDS(50/124.8u m)\*4C+AL~OD:4.8MM~BLACK.
- 9.Cable Legend:  
BLACK BOX - 3C\*28AWG + 2C\*24AWG + 1P\*30AWG + 50/125um OM3\*4C - LSHZ CABLE

Cable TABLE:

L(MM)	D(+MM)
10000	150
15000	250
25000	300
30000	400
50000	500
100000	750



Cable Spec

	P1	PIN ASSIGNMENT	P2	
	LY	white	LY	
	ECE	yellow	CEC	Shell
Shell	GND	black	GND	
	HPD	orange	HPD	
	LX	pink	LX	
	VCC	red	+5V	
	UTY	blue	UTY	

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL ±  
ANGULAR: MACH ± BEND ±  
TWO PLACE DECIMAL ±  
THREE PLACE DECIMAL ±  
INTERPRET GEOMETRIC TOLERANCING PER:  
MATERIAL CRS  
FINISH POWDER COAT  
DO NOT SCALE DRAWING

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**BLACK BOX**

NAME	DATE	TITLE:
DRAWN DongMI	12/01/2023	Active Optical Cable HDMI2.0 Male to Male-Made in Vietnam
ENG APPR.		
CHECKED		SIZE DWG. NO. REV
COMMENTS:		B AOC-HL-H2-XXM-R2 A
		SCALE: 1:1 SHEET 1 OF 1