

UHC-XXB/C

HDMI Active Optical Cable



OVERVIEW

Unive High Speed HDMI Active Optical Cable (AOC) provides excellent connectivity solutions for distributing high definition audio and video data from Set-top box, DVD player, HD DVD player, Blu-ray player, and video game console like PlayStation 3, Xbox 360 to large display, including Home Theater Projector and HDTV. With this High Speed HDMI AOC, users can take advantage of the latest advances in HDMI technology including 3D, 4K x 2K resolution and deep color as well as 1080p full HD.

POF(Plastic Optical Fiber) cable applied to Unive High Speed HDMI AOC is thinner, lighter, and more flexible than typical AOC as well as copper cable. It also makes it possible to send high definition data to further distances than one without signal attenuation and makes it easier to install in tight in-wall spaces. Like this, plastic optical fiber cable delivers several advantages which reduce the risk of EMI and RFI so the performance is very stable when it is used in typically high interference environments such as data centers, operating rooms or manufacturing facilities, where high resolution and consistent display are required.



FEATURES

- High Speed HDMI Active Optical Cable
- Supports a full 1080p, 4K, 3D, deep color x.v.Color™, Dolby True HD,DTS-HD Master Audio, and HDCP
(HEAC is not supported)
- Resistant to EMI/RFI
- Small and flexible cable eases to use
- Easy to install(Plug and Play)
- Doesn't draw any current from the source device
(Need external power to operate through USB +5V power)
- 5mm minimum bend radius and of cable
- Selectable UL- Riser/Plenum cable

APPLICATIONS

- Bluray player, PC, Laptop, set top box, projector, HDTV
- Conference room video system, digital home theater, medical display system
- Data center, digital signage for outdoor advertising, factory automation systems

SPECIFICATIONS

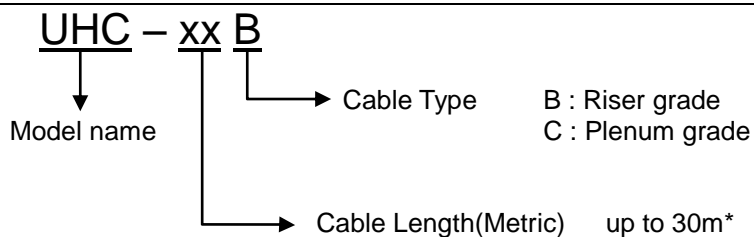
Parameter	Min.	Typ.	Max	Unit
ABSOLUTE MAXIMUM RATINGS				
Supply Voltage	-0.5		6	V
Storage Temperature	-20		70	°C
Relative Humidity	5		85	%
Electrostatic Discharge Immunity (Air: 8kV, Contact: 6kV)	B			Class
RECOMMENDED OPERATING CONDITIONS				
Supply Voltage*	4.75	5.0	5.25	V
Operating Temperature	0		50	°C
TRANSMITTER ELECTRICAL CHARACTERISTICS				
Operating Current	120	130	140	mA
Power Consumption	0.60	0.65	0.70	W
RECEIVER ELECTRICAL CHARACTERISTICS				
Operating Current	205	220	235	mA
Power Consumption	1.02	1.10	1.18	W

* All power Supplied from USB port(+5V)

PHYSICAL CHARACTERISTICS

Parameter	Value	Unit
Cable Assembly		
Cable Type	Hybrid Cable Plastic Optical Fibers and Electrical Wires	
Cable Dimensions (W x H)	5.10 x 2.90	mm
Cable Color	Riser: green Plenum: orange	
Connector Pull Strength	10	Kg
Minimum Bend radius	5	mm
Case Material	PC(Polycarbonate)	

ORDERING INFORMATION

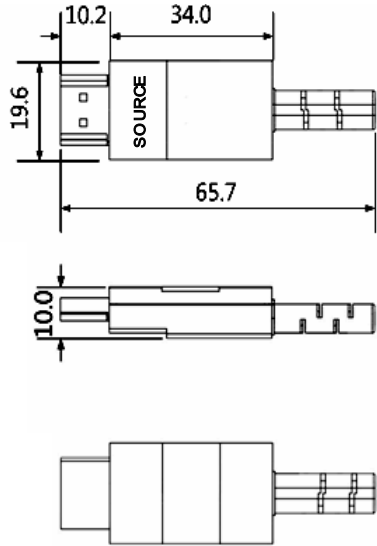


* Standard Cable Length: 10, 15, 20, 30m

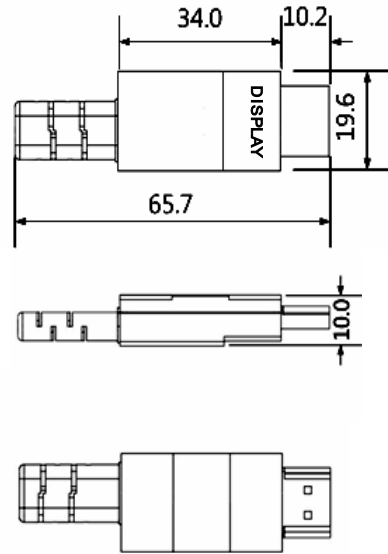
PRODUCT DIMENSIONS

Unit: mm

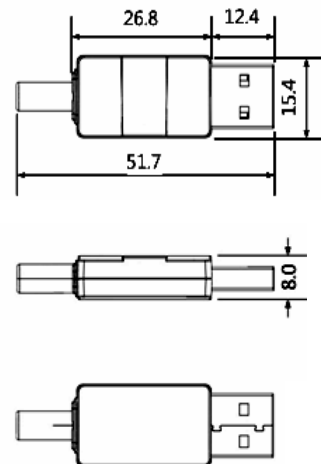
Transmitter Connector



Receiver Connector

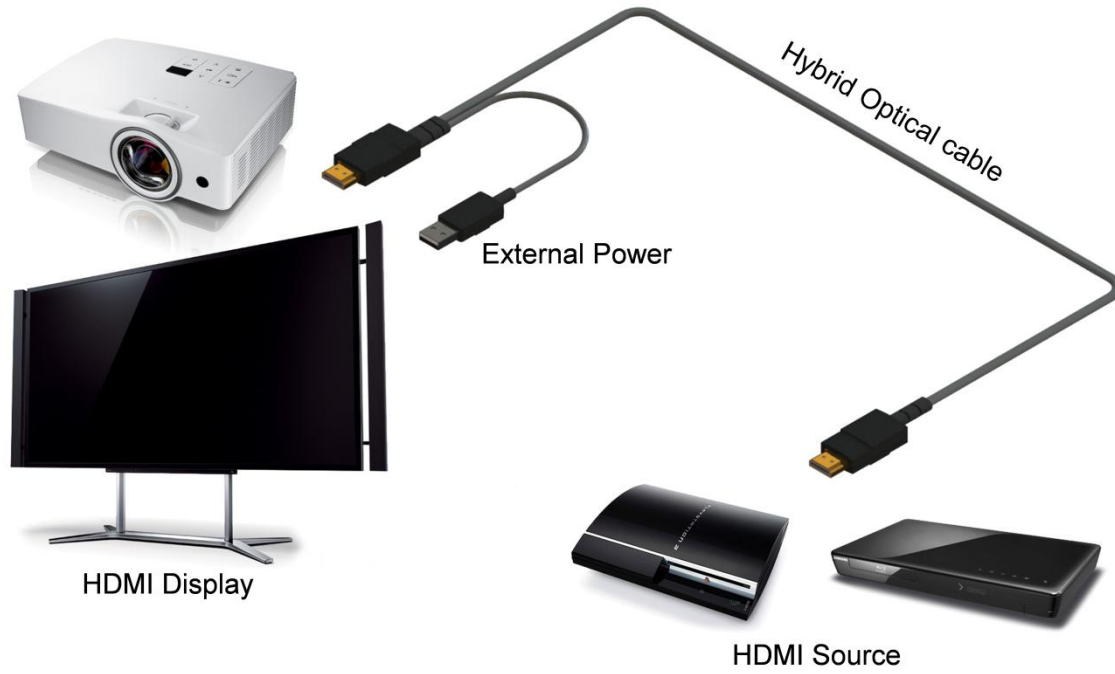


USB



CONNECTION DIAGRAM

- Cable connection



1. Plug in TX connector labeled SOURCE to HDMI port of source device like Bluray player.
2. Plug in RX connector labeled DISPLAY to HDMI port of display device like a monitor.
3. Plug in USB connector labeled USB to USB port in the display device.
4. Follow the same connecting way for connecting a tablet, PC or other source device to a projector or other display.