BHDC-21AA

HDMI 2.1 Active Optical Cable Type A Male - Type A Male

Highlights:

- Support HDMI 2.1 8K (7680 x 4320) @60Hz and HDMI 2.0 4K (4096 x 2160)@120Hz, backward compatible
- Transmission rate up to 12Gbps/channel, up to 48Gbps bandwidth
- Supports 3D full HD, HDCP2.2 two-way EDID and HDCP communication
- · Support the high-bitrate audio formats up to192kHz, 24-bit, and uncompressed 5.1 and 7.1, Dolby specific lossless audio formats, and 32-channel uncompressed audio
- Energy saving, low power consumption (max. 250mW), no extra power supply required
- Plug-and-play no software or setting required
- RF/EMI free for clear signal transmission
- Up to 100m maximum length(70m max. for eARC)
- · Customized length, logo, packaging available



The BHDC-21AA is an active optical HDMI 2.1 cable designed for transmission of the next generation of 8K video content. It is able to transmit resolutions up to 8K (7680 x 4320p) 4:4:4 at 60 Hz with a bandwidth of 48 Gbps via BONES' unique AOC+™ Fiber Optic Technology, which enables transmission eliminating the possibility of electronic interference.

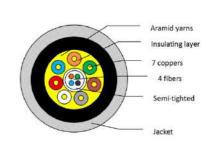
Ready for future HDCP 2.3 content encryption, compatible with all current and emerging HDR standards (HLG, HDR-10 and HDR-10+, Dolby Vision, Perceptual Quantizer and SL-HDR-1) and compatible with eARC HD audio standard.

Applications:

- Digital signage
- LED signs & monitors for stadiums, hospitals, shipping malls
- Medical imaging equipment
- Airport boarding video information system
- Home Theater, Blu-ray, 3D video, projector, set-top box, DVR, game console control and monitor connection
- Radio and TV station
- Video conference equipment
- Security monitoring system







Certification:







Properties:









ltem	Description					
Source	Transmitter(Source)	Receiver(Display)				
Solution	4 Channel 850 nm VCSEL array 4 Channel GaAs PD arr					
HDCP & DDC	HDCP 2.2 Fully Support bi- directional EDID and HDCP communication					
Video Bandwidth	Maximum 12Gbps/*4 Channels					
Clock Rate	600 MHz					
Bandwidth	Maximum48Gbps					
Video Resolution	7680 x 4320p @ 60Hz, 5120 x 2880p @ 60Hz,					
	3840 x 2160p @ 144Hz, 2560 x 1440p @ 240Hz,1920 x 1080p @ 240H					
Power Consumption	250mW(Max.)					
Power Supply	Passive, 4.5V ~ 5.5V VCC (from connected source)					
Supported Standar	rds					
Video	DCI, Static HDR, HDR10+, Dolby Vision, HLG, SL-HDR1, PQ, BT.2020, BT.2100					
Audio	2 Ch PCM, Multichannel LPCM, DTS-X, Dolby Atmos, eARC					
Communication	HDCP, EDID, CEC, ALLM, VRR, Ethernet (100Mbps)					
Connector						
Туре	HDMI 2.1 type A to type A					
Pull-out Force	2KGs					
Life Test	> 10000 cycles					
Cable						
Туре	Hybrid Fiber Optic,50/125 OM3 / Fiber (4x)+ Copper wires (7x)					
Outer Jacket	Black, LSHF, 4.6mm (Ø)					
Optional Length (Tolerance±30cm)	10m/15m/20m/30m/40m/50m/60m/70m/80m/90m/100m Can be customize;					
Bending Radius	20mm(Min.)					
Tensile Strength	25KGs					
Working Temperature	0°C to 50°C (32°F to 122°F)					
Storage Temperature	-20°C to 70°C (-4°F to 158°F).					
Relative Humility	5% to 90% (non-condensing)					

Ordering & Packing:

Product Code	Length		Gift Box	Master Carton	QTY/CTN	N.W.	G.W.
	(Meters)	Feet	(mm)	(mm)	(PCs)	(KG)/CTN	(KG)/CTN
BHDC-21AA-010	10	33	240*225*75	470*385*255	10	7.0	8.0
BHDC-21AA-015	15	50	240*225*75	470*385*255	10	8.5	9.5
BHDC-21AA-020	20	67	240*225*75	470*385*255	10	9.5	10.5
BHDC-21AA-030	30	100	240*225*75	470*385*255	10	12	13
BHDC-21AA-040	40	130	240*225*75	470*385*255	10	14.5	15.5
BHDC-21AA-050	50	165	290*275*75	565*385*300	10	20.5	21.5
BHDC-21AA-060	60	197	290*275*75	565*385*300	10	22.5	23.5
BHDC-21AA-070	70	230	290*275*75	390*350*343	5	13	14
BHDC-21AA-080	80	263	340*325*75	390*350*343	5	15	16
BHDC-21AA-090	90	295	340*325*75	390*350*343	5	16	17
BHDC-21AA-100	100	320	340*325*75	390*350*343	5	17.5	18.5

[•] Length can be customized, up to 300 meters.

Packing Reference:







10PCs/Carton for 10~70 M length



Gift Box Master Carton