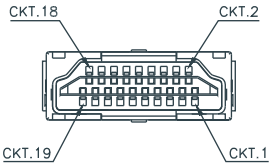
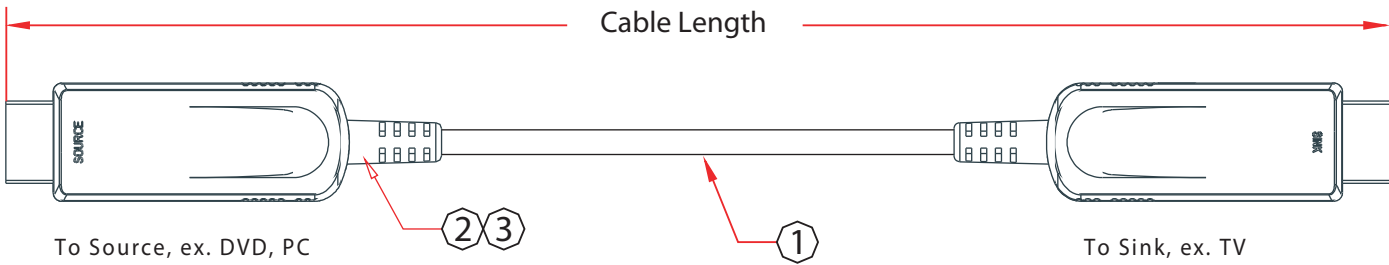


RoHS

Rev.	Description	Date
A		09-2018



HDMI Type A Pin Assignment



Hybrid Cable Profile

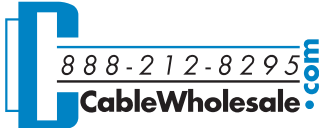
Packing: 1Pcs /Box

HDMI Type A Connector Pin Assignment

PIN	Function	PIN	Function
1	T.M.D.S. Data 2+	11	TMDS Clock Shield
2	T.M.D.S. Data 2 Shield	12	TMDS Clock-
3	T.M.D.S. Data 2-	13	CEC
4	T.M.D.S. Data 1+	14	Utility
5	T.M.D.S. Data 1 Shield	15	SCL
6	T.M.D.S. Data 1-	16	SDA
7	T.M.D.S. Data 0+	17	DDC/CEC Ground
8	T.M.D.S. Data 2 Shield	18	+5V Power
9	T.M.D.S. Data 0-	19	Hot Plug Detect
10	TMDS Clock+		



PART NO.	CABLE LENGTH
12V4-41110	10 Meter (33Foot)
12V4-41120	20 Meter (65.5Foot)
12V4-41130	30 Meter(98.4Foot)
12V4-41150	50 Meter(164Foot)
12V4-411100	100 Meter(328Foot)

Item Number:	12V4-411xx	
Title:	4K HDMI Active Optical Cable, AOC, Fiber Optic	
Drawn by:	JL	
Approved by:	MAC	
ID:	228	

3	Cover, Black Color
2	HDMI type A, Gold Plating
1	Hybrid type with OM3 fiber and copper wire, Black PVC Jacket ,OD:4.5±0.2mm
No.	Specifications



Rev.	Description	Date
A		09-2018

Specifications

Item	Description	
Units	Transmitter (Source)	Receiver (Sink)
HDCP & DDC	HDCP 2.2 Fully Support bi-directional EDID and HDCP communication	
Video Bandwidth	6 Gbps/x3Channel (max)+ Clock.	
Supported Resolution & Distance	PC: WUXGA 1920 x 1200 up to 100 meters HDTV : 480p, 720p, 1080i and 1080p deep color, 4K(60P),4:4:4, 3DFull HD 1920 x 1	
O/E Converter	4 channel 850 nm VCSEL array	4 CH GaAs PD array

KEY FEATURES

- *Up to 100m Maximum Length.(Custom Length Available)
- *Low Power Consumption: 250mW (max).
- *Plug and Play
- *Compatible with HDMI 2.0 standard.
- *Support HDCP
- *Self-detecting function for EDID information
- *No loss of signal – delivering crystal clear digit alimages instantly.
- *Supports computer resolutions to 1080P and 4K2K(60P)
- *Hybrid optical cable with fiber and copper wire

Applications

- *Digital Signage
- *LED signboards in streets and in stadiums
- *Medical Imaging Equipment
- *Airplane On-board Video System
- *Home Theater
- *Blue-ray, 3D video, Projector, Set-up box, DVR, Game Consoles and Computer
- *TV Broadcast Station
- *Conference Room Video Equipment
- *Security systems

Absolute Maximum Rating

Parameter	Symbol	Min	Max	Unit
Power Supply Voltage	VCC	4.5	5.5	V
Operating Temperature	Top	0	50	°C
Storage Temperature	Ts	-40	70	°C
Relative Humidity	Hs	10	80	%RH

Recommended Operating Conditions

Parameter	Symbol	Min	Typical	Max	Unit
Power Supply Voltage	VCC	4.75	5.0	5.25	V
Operating Temperature	Top	0		50	°C

Item Number:	12V4-411xx		
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