

Premium DisplayPort 1.4 to HDMI 2.0 AOC



Descriptions

Our DP to HDMI Active Hybrid Cable is the most competitive long reach DP interconnection solution on the market. It supports 18Gbps bandwidth with light weight, flexible and ultra-small long-term bending radius (10mm) hybrid cable. With our advanced optical engine embedded. This DP to HDMI Hybrid Cable provides full DP to HDMI signal integrity, support up to 60m maximum length, plug and play. No external power required.

Key Features

- ◆ Up to 60m Maximum Length.(Custom Length Available)
- ◆ Low Power Consumption: <0.5W each end
- ◆ Plug and Play.
- ◆ Compatible with HDMI 2.0 standard.
- ◆ Support HDCP.
- ◆ Self-detecting function for EDID information
- ◆ No loss of signal – delivering crystal clear digital images 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	3.0	3.3	V
Operating Temperature	Top	0	50	°C
Storage Temperature	Ts	-40	70	°C
Relative Humidity	Hs	10	80	%RH

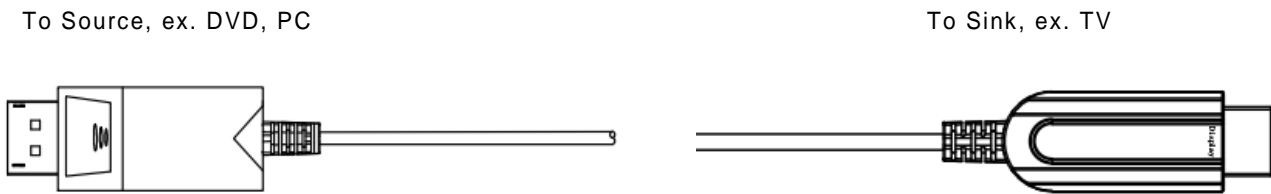
Recommended Operating Conditions

Parameter	Symbol	Min	Typical	Max	Unit
Power Supply Voltage	VCC	3.0	3.3	3.4	V
Operating Temperature	Top	0		50	°C

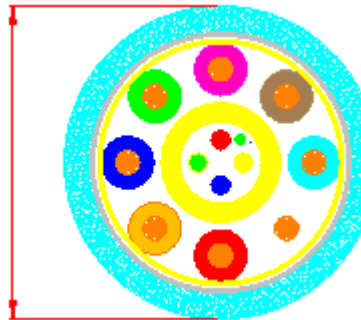
Specifications

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 60 meters, HDTV : 480p, 720p, 1080i and 1080p deep color, 4K(60P), 3DFull HD 1920 x 1080 up to 60 meters	
O/E Converter	4 channel 850 nm VCSEL array	4 CH GaAs PD array
Connector Type	Source : DP Type A; Display :HDMI type A	
Cable Type	Hybrid type with OM3 fiber and copper wire	
Cable Length	10m/15m/20m/30m/40m/50m/60m (with +/-30cm tolerance) Custom length available.	
Cable Outer Diameter	4.5mm	
Jacket Outer Material	PVC (Custom)	
Cable Weight TBD	Cable Weight TBD	
Cable Color TBD	Cable Color TBD	
Differential Input	100 ohm (typ)	
Power Consumption	<0.5W each end	
Power Supply	Non external power required	

Installation



Hybrid Cable Profile



Ordering Information

Part Number	Description
SDHC-1200-010	DP to HDMI AOC, 4K 2K/60Hz, Support EDID/HDCP, Length 10m
SDHC-1200-015	DP to HDMI AOC, 4K 2K/60Hz, Support EDID/HDCP, Length 15m
SDHC-1200-020	DP to HDMI AOC, 4K 2K/60Hz, Support EDID/HDCP, Length 20m
SDHC-1200-030	DP to HDMI AOC, 4K 2K/60Hz, Support EDID/HDCP, Length 30m
SDHC-1200-040	DP to HDMI AOC, 4K 2K/60Hz, Support EDID/HDCP, Length 40m
SDHC-1200-050	DP to HDMI AOC, 4K 2K/60Hz, Support EDID/HDCP, Length 50m
SDHC-1200-060	DP to HDMI AOC, 4K 2K/60Hz, Support EDID/HDCP, Length 60m

Packing Details



Packing Details Sheet

Item No.	Length(m)	Box Size(mm)	CTN Size(cm)	PCS/CTN	N.W. (KG/Box)	N.W. (KG)/CTN	G.W. (KG)/CTN
DP-HDMI-1000V1.4OP	10	230*220*74	47*38.5*25.5	10	0.7	7	8
DP-HDMI-2000V1.4OP	20	230*220*74	47*38.5*25.5	10	0.95	9.5	10.5
DP-HDMI-3000V1.4OP	30	230*220*74	47*38.5*25.5	10	1.2	12	13