

8K HDMI 2.1 Fibre Optic Cable LZSH

Directional 8K HDMI fibre optic cable with 850nm Laser Optical Transmission technology. Modern HDMI cable - compatible with HDMI 2.1 standard and backward compatible with HDMI2.0 or HDMI1.4. No signal loss and extremely low EMI. It instantly delivers crystal clear digital images in maximum 48Gbps bandwidth with 4K@50/60/100/120Hz and 8K@50/60Hz.

- ✓ Gold plated HDMI connector with locking mechanism. Small HDMI connector with a length of 38.8 mm and a height of 9 mm that protrudes from the device.
- ✓ ENOVA HDMI 2.1 AOC (Active Optical Cable) significantly increases bandwidth up to 48Gbps and can extend High SpeedHDMI transmission distance up to 100m with a hybrid cable consisting of optical fibers (4 x OM3) and copper wires (7 x OFC).
- ✓ The running direction of the HDMI cable is printed on the connector via Source & Display for easy identification.
- ✓ It is slim, light weight, flexible and ultra-small long-term bending radius (20mm) hybrid cable.
- ✓ The 8K HDMI cable is plug and play without driver dependency and immediately functional.
- ✓ Support VRR, QMS, QFT, ALLM, DSC, Ethernet, HDCP2.3, Dynamic HDR 4:4:4 color format.
- ✓ Self-detecting function for EDID information.
- ✓ Support eARC up to 30m.
- ✓ CPR-rated (Construction Products Regulation) with LSZH jacket (low smoke zero halogen).
- ✓ No external power required.



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

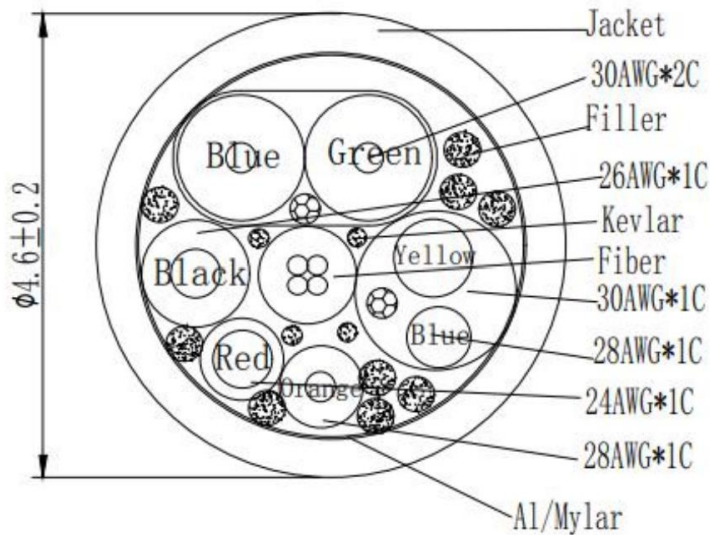
Parameter	Symbol	Min	Typical	Max	Unit
Power Supply Voltage	VCC	4.75	5.00	5.25	V
Operating Temperature	Top	0		50	°C

Specifications

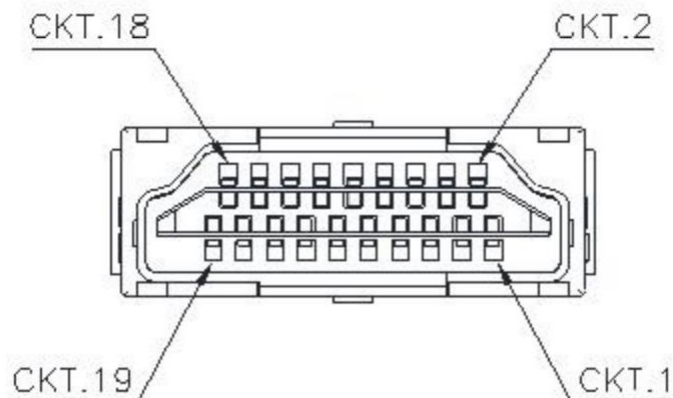
Item	Description	
Units	Transmitter (Source)	Receiver (Display)
HDCP & DDC	HDCP 2.3 Fully Support bi-directional EDID and HDCP communication	
Video Bandwidth	12 Gbps x 4 Channel = 48Gbps	
Supported Resolution	480p,720p,1080i and 1080p deep color, 4K p50/60/100/120 & 8Kp50/60	
Distance	Up to 100m	
O/E Converter	4 channel 850 nm VCSEL array	4 CH GaAs PD array
Connector Type	HDMI type A with locking mechanism	
Cable Type	Hybrid type with OM3 fiber and copper wire	
Cable Outer Diameter	4.5mm	
Jacket Outer Material	LSZH	
Cable Color	Black	
Differential Input	100 ohm (Typical)	
Power Consumption	250mW (max)	
Power Supply	Non external power required	



Hybrid Cable Profile



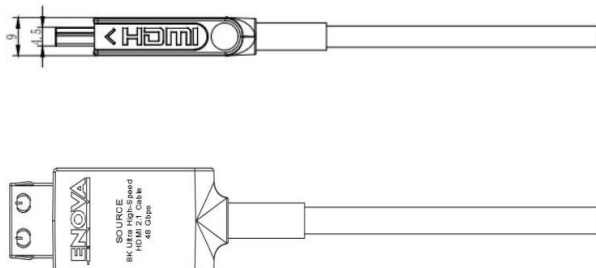
HDMI Type A Pin Assignment



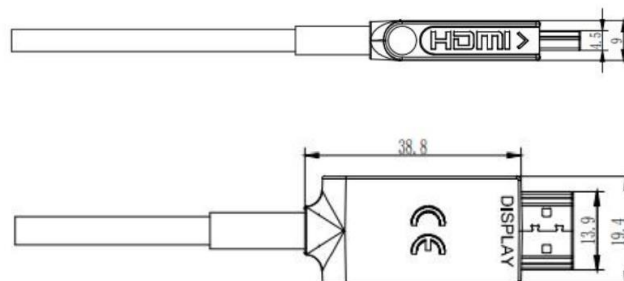
PIN	Function	PIN	Function
1	T.M.D.S. Data 2+	11	TMDS Clock Shield
2	T.M.D.S. Data 2 Shield	12	TMDS Clock-
3	T.M.D.S. Data 2-	13	CEC
4	T.M.D.S. Data 1+	14	Utility
5	T.M.D.S. Data 1 Shield	15	SCL
6	T.M.D.S. Data 1-	16	SDA
7	T.M.D.S. Data 0+	17	DDC/CEC Ground
8	T.M.D.S. Data 2 Shield	18	+5V Power
9	T.M.D.S.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

Connector Size / Application

Source



Display



Ordering Information

Article number	Description	Length	EAN	Gross weight in kg	Box size in mm
EC-HO2-5	5m HDMI Cable 2.1 8K 48Gbps	5	7640383076280	0.25	235x225x39
EC-HO2-10	10m HDMI Cable 2.1 8K 48Gbps	10	7640383076297	0.45	235x225x39
EC-HO2-15	15m HDMI Cable 2.1 8K 48Gbps	15	7640383076303	0.65	235x225x39
EC-HO2-20	20m HDMI Cable 2.1 8K 48Gbps	20	7640383076310	0.75	235x225x39
EC-HO2-25	25m HDMI Cable 2.1 8K 48Gbps	25	7640383076327	0.85	235x225x39
EC-HO2-30	30m HDMI Cable 2.1 8K 48Gbps	30	7640383076334	1	235x225x39
EC-HO2-40	40m HDMI Cable 2.1 8K 48Gbps	40	7640383076341	1.3	235x225x74
EC-HO2-50	50m HDMI Cable 2.1 8K 48Gbps	50	7640383076358	1.7	235x225x74