MS-HDMI8K-XX

HDMI 2.1 Detachable A-D AOC Cable,
5m–100m (16ft–328ft)



Description:

Our new HDMI active Fiber Optic Pluggable HDMI Cable which is suited for critical and versatile installations.
It supports HDMI Maximum Data Rate 12Gbps per channel and total 48Gbps bandwidth with light weight, flexible and ultra-small long-term bending radius (45mm, 1.77 in) hybrid cable. With our advanced optical engine embedded. This HDMI Hybrid Cable provides full HDMI signal integrity, support up to 100m (328 ft) maximum length, plug and play.
No external power required.

Key Features:

- Support 48Gbps Bandwidth with 4Kp50/60/100/120 and 8Kp50/60
- Up to 100m (328ft) Maximum Length (Custom Length Available)
- Plug and Play
- Compatible with HDMI 2.1 standard , Backward compatible with HDMI2.0/HDMI1.4
- Support HDCP2.2/2.3
- Support (HDR) Dynamic HDR formats is supported.
- Support (VRR) Variable refresh rate
- Support (QMS) Quick media switching
- Support (QFT) Quick frame transport
- Support (ALLM) Auto low latency Mode
- Support (DSC) Display Stream Compression

  Self-detecting function for EDID information
- No loss of signal – delivering crystal clear digital images instantly.
- Hybrid optical cable with fiber and copper wire

Remarks: Cable is hybrid glass fiber and copper.
The pull strength should be within 15Kgs!

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M Solutions

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

Technical Specifications:

Units:	Transmitter (source), Receiver (display)
HDCP & DDC:	HDCP2.3 Fully Support bi-directional EDID and HDCP communication
Video bandwidth:	12 Gbps/x4 Channel
Supported resolution & distance:	480p, 720p, 1080i and 1080p deep color, 4Kp50/60/100/120 and 8Kp50/60 up to 100m (328 ft)
O/E converter:	4 channel 850 nm VCSEL array (source), 4 CH GaAs PD array (display)
Connector Type:	HDMI type A, HDMI type D with HDMI D/Female to HDMI A/Male Adaptor
Connector dimensions (W x D x H):	Type D: 44.2mm x 12.7mm x 7.1mm (1.74 x 0.5 x 0.28 inches) Type A: 48.2mm x 20mm x 10mm (1.9 x 0.79 x 0.39 inches) Pulling Tool: 55.2mm x 17.5mm x 13mm (2.17 x 0.69 x 0.51 inches)
Cable type:	Hybrid type with OM3 fiber and copper wire
Cable length:	10m/15m/20m/30m (with +/-20cm tolerance) /100m custom length available 32.81 ft/ 49.21 ft/ 65.62 ft/ 98.43 ft (with +/- 8 in tolerance) / 328 ft custom length available
Cable outer diameter:	4.5mm
Jacket outer material:	CMP or Customized
Cable color:	Black
Differential input:	100 ohm (typ)
Power consumption:	250mW (max)
Power supply:	No external power required

Ordering Information:

10m length (32.81 ft)	MS-HDMI8K-10
15m length (49.21 ft)	MS-HDMI8K-15
20m length (65.62 ft)	MS-HDMI8K-20
30m length (98.43 ft)	MS-HDMI8K-30
Custom lengths available on request	

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