



OPT-HDMI2-XXX

HDMI 2.0 18 Gbps Active Optical Cable



The OPT-HDMI2-xxx is an extremely powerful AOC (Active Optical Cable) used for uncompressed long distance extension of HDMI 2.0 (18 Gbps bandwidth) over hybrid fiber cable. Remove the limitations of copper, which can only extend uncompressed 4K60 a few meters, however, the OPT-HDMI2-xxx uses optical fibers to extend resolutions up to 3840x2160@60 Hz long distances up to 328 feet/100 meters. With its plug & play design simply connect the side labeled source directly to the HDMI connection of the source and the side labeled display to the remote monitor. OPT series AOC's are superior to other cables in its physical form-factors and performance. The cable is thin (0.15inches), light (0.4lbs/33ft) and strong (500N pulling and crush load strength). Additionally, the cable jacket options cover all US and EU flame-retardant requirements with low smoke halogen-free and CMP-OF Plenum cable jacketing available.

Features

- Uncompressed HDMI 2.0 long distance extension
- 4K resolution support up to 3840x2160@60
- Total data rate of 18 Gbps
- Up to 328 feet/100 meters
- Jacket Options: LSZH, CMP-OF (UL) Plenum or TPU
- Hybrid fiber design for highest quality extension
- Plug & play directly connect to HDMI connector
- No external power supplies needed (in most cases)

Models

OPT-HDMI2-x xx	Length	Code	Length	Code
		10m	10	60m
	15m	15	70m	70
	20m	20	80m	80
	30m	30	90m	90
	40m	40	100m	A0
	50m	50		

P: CMP-OF (UL) Plenum
 L: LSZH (low smoke zero halogen)
 T: TPU (Thermoplastic Poly Urethane)

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Specifications

Video Specifications	
HDMI Compliance	2.0
Resolution Support	Up to 3820x2160@60
Video Bandwidth	18 Gbps
Optical Specifications	
Distance	Up to 328 feet/100 meters
Cable Specifications	
Color	Gray or Black (optional)
Diameter	3.4mm (+/- 0.2mm)
Weight	0.4 lbs per 33ft
Jacket Material	CMP-OF (UL), LSZH or TPU
Connector Pull Strength	10 Kg
Compression Load Resistance	50 Kg
Minimum Bend Radius	6 mm
Power Specifications	
Supply Voltage (VCC)	typ. 5VDC, min 4.8/max 5.3
Power Consumption	0.24 to 0.63 Watts
Environmental Specifications	
Operating Temperature	-30 to 70 C
Relative Humidity	5 to 85%, non-condensing
Storage Temperature	-30 to +70 C