

## VE781030

30M True 4K HDMI 2.0 Active Optical Cable (True 4K@30m)



ATEN VE781030 [True 4K](#) HDMI 2.0 Active Optical Cable utilizes AOC technology that enables conversion between input signals and optical signals for optimum high bandwidth data transmissions. The EMI-resistant optical cables come in 30m with full support of [True 4K](#) resolutions. It is fully compliant with [HDCP 2.2](#) standards and meets HDMI 2.0 specifications including 3D, deep color, and data rates up to 18 Gbps. Supported Dolby True HD and DTS-HD Master Audio, the optical cables guarantee lossless audio signal transmissions. The VE781030 optical cable is an ideal solution for extending the reach of your digital signage in a wide range of settings, such as traffic stations, shopping centers, and hospital facilities.



### Features

- Supports resolution up to [True 4K](#) (4096 x 2160 @ 60Hz 4:4:4)
- HDMI 2.0 (3D, Deep Color, [True 4K](#)); [HDCP 2.2](#) compliant
- Extends [True 4K](#) signals up to 30m
- Reduced EMI and RFI for lower noise interference
- High data transfer rate of 18 Gbps
- Supports multi audio channel – Dolby TrueHD and DTS-HD Master Audio
- Robust cable pulling strength (Max.10 kg) and compression load resistance (Max.50 kg)

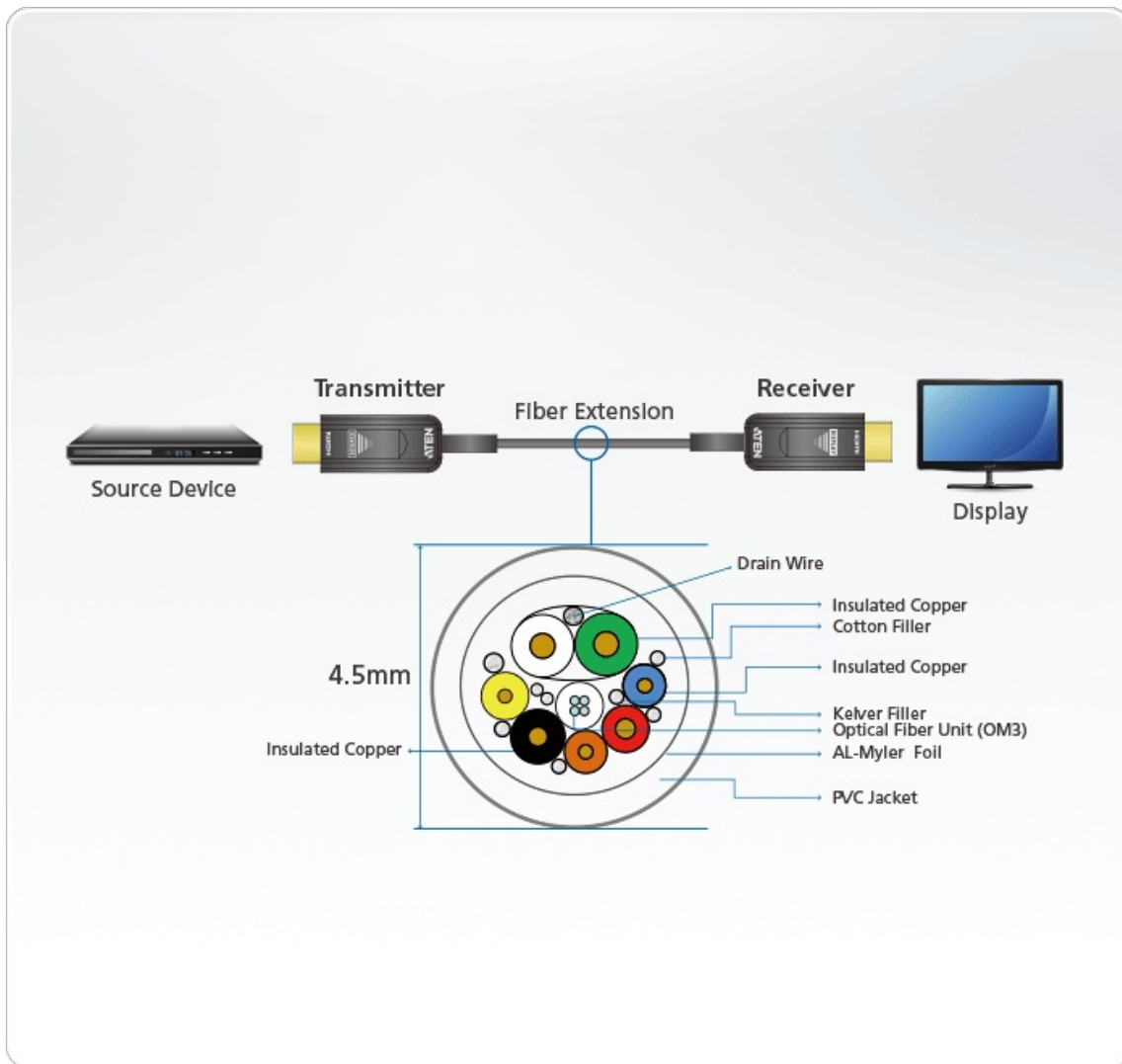
### Specifications

Certifications	
Certifications	Safety and Emission: CE / FCC / RoHS2 EMC Class-A / Class-B
Notification	Bend Radius: 6mm (Min.) Compression Load Resistance: Max. 50kg (500N) Cable Filler: Kevlar Cable Marking: ATEN INTERNATIONAL --- HIGH SPEED HDMI HYBRID ACTIVE OPTICAL CABLE 4K@60Hz 18Gbps -- PVC CE EU RoHS EC ZONE/DEVICE * NO external power required
Jacketed	

Material	PVC (85P) Color: Black
Conductor	
Construction	7 x Tinned Copper wire strand (30 AWG *2 / 28AWG *3 / 26 AWG *1 / 24 AWG *1) 4 x OM3 Optical Fiber (50/125um)
Cable Length	30M / 98.4ft
Communication	
Signals	TMDS / HDCP 2.2 / EDID / CEC
Audio	
Input	PCM 8-channel, Dolby Digital True HD, DTS-HD Master Audio
Output	PCM 8-channel, Dolby Digital True HD, DTS-HD Master Audio
Cable Type	Hybrid type with optical fiber (OM3) and copper wire
Video Input	
Interfaces	1 x HDMI 19-pin Type-A Male
Video Output	
Interfaces	1 x HDMI 19-pin Type-A Male
Video	
Max. Data Rate	18 Gbps (6 Gbps per Channel)
Max. Pixel Clock	600 MHz (Max.)
Compliance	HDMI 2.0 (3D, Deep Color, 4K, HDR, ARC) HDCP 2.2
Max. Resolutions / Distance	Up to 4096 x 2160 / 3840 x 2160 @60Hz (4:4:4) / 10M *Color sub-sampling: 4:4:4 / 4:2:2 / 4:2:0 *Color Depth: 30 / 36 / 48 bit
Power Consumption	DC5.0V:0.25W:0.05ABTU
Environmental	
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	0 - 85% RH, Non-Condensing
Physical Properties	
Housing	Connector Case: Zinc Alloy
Weight	0.90 kg ( 1.98 lb )

Cable Outer Dimension	4.5mm ( $\pm 0.2\text{mm}$ )
Conductor Gauge	7 x Tinned Copper wire strand (30 AWG *2 / 28AWG *3 / 26 AWG *1 / 24 AWG *1)
Conductor Material	Tinned Copper
Carton Lot	5 pcs

**Diagram**



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