

10 m / 20 m / 30 m True 4K HDMI Active Optical Cable

VE781010 / VE781020 / VE781030

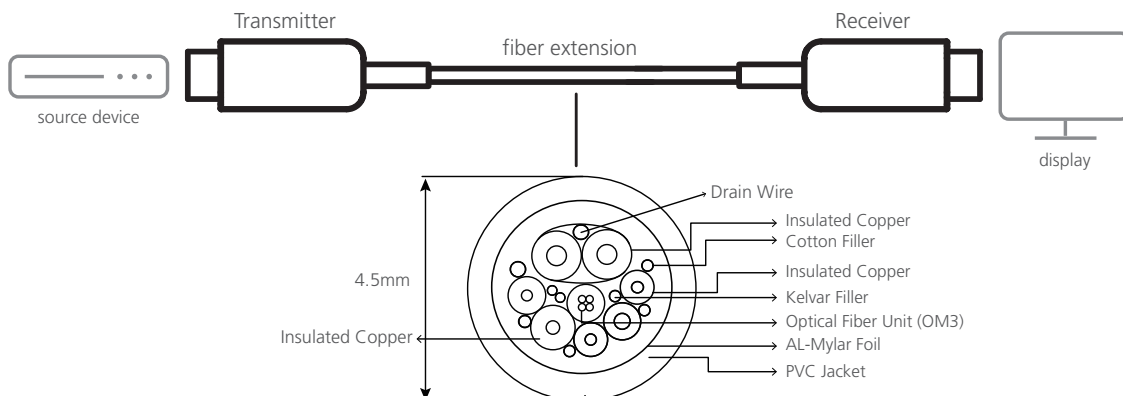
ATEN VE781010 / VE781020 / VE781030 True 4K HDMI Active Optical Cables utilize AOC technology that enables conversion between input signals and optical signals for optimum high bandwidth data transmissions. The EMI-resistant optical cables come in 10, 20, and 30 m with full support of True 4K resolutions. They're fully compliant with HDCP 2.2 standards and meet 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 VE781010 / VE781020 / VE781030 optical cables are ideal solutions for extending the reach of your digital signage in a wide range of settings, such as traffic stations, shopping centers, and hospital facilities.



VE781010 / VE781020 / VE781030

Features

- Supports resolution up to True 4K (4096 x 2160 @ 60 Hz 4 : 4 : 4)
- HDMI (3D, Deep Color, True 4K, HDR, ARC); HDCP 2.2 compliant
- Extends True 4K signals up to 30 m
- Reduces EMI (electromagnetic interference) and RFI (radio-frequency interference) for lowered noise interference and reliable signal transmission
- High data transfer rate of 18 Gbps
- Supports multi audio channels – Dolby TrueHD and DTS-HD Master Audio
- A range of cable lengths, available in 10, 20, and 30 m
- Robust cable pulling strength (Max.10 kg) and compression load resistance (Max.50 kg)
- Plug-and-play



Specifications

	VE781010	VE781020	VE781030
Cable Length	10 m / 32.8 ft	20 m / 65.6 ft	30 m / 98.4 ft
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.)		
Max. Resolutions / Distance	Up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4 : 4 : 4) / 10 m *Color sub-sampling: 4 : 4 : 4 / 4 : 2 : 2 / 4 : 2 : 0 *Color Depth: 30 / 36 / 48 bit	Up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4 : 4 : 4) / 20 m *Color sub-sampling: 4 : 4 : 4 / 4 : 2 : 2 / 4 : 2 : 0 *Color Depth: 30 / 36 / 48 bit	Up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4 : 4 : 4) / 30 m *Color sub-sampling: 4 : 4 : 4 / 4 : 2 : 2 / 4 : 2 : 0 *Color Depth: 30 / 36 / 48 bit
Compliance	HDMI (3D, Deep Color, True 4K, HDR, ARC); HDCP 2.2		
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		
Conductor			
Construction	7 x Tinned Copper wire strand 4 x OM3 Optical Fiber (50 / 125 um) Bend Radius: 20 mm (Min.) Compression Load Resistance: Max. 50 kg (500 N) Cable Filler: Kevlar		
Notification	Cable Marking: ATEN INTERNATIONAL --- HIGH SPEED HDMI HYBRID ACTIVE OPTICAL CABLE 4K @ 60 Hz 18 Gbps -- PVC CE EU RoHS EC ZONE / DEVICE * NO external power required		
Certifications			
Certifications	Safety and Emission: CE / FCC / RoHS / REACH / UL VW-1 EMC Class-A / Class-B		
Power Consumption	DC5.0V:0.25W:0.05A		
Jacketed			
Material	PVC (85P); Color: Black		
Environmental			
Operating Temperature	0 °C – 50 °C		
Storage Temperature	-20 °C – 70 °C		
Humidity	0 – 85 % RH, Non-Condensing		
Physical Properties			
Housing	Connector Case: Zinc Alloy		
Weight	0.35 kg	0.65 kg	0.90 kg
Cable Outer Dimension	4.5 mm (± 0.2 mm)		

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