

# 15M / 30M / 60M / 100M True 4K HDMI Active Optical Cable

## VE7832 / VE7833 / VE7834 / VE7835

ATEN VE7832 / VE7833 / VE7834 / VE7835 optical cables utilize AOC technology that enable conversion between input signals and optical signals for optimum high bandwidth data transmissions. The EMI-resistant optical cables come in 15, 30, 60, and 100 m with full support of True 4K resolutions. They're fully compliant with HDCP 2.2 standards and meet HDMI 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.

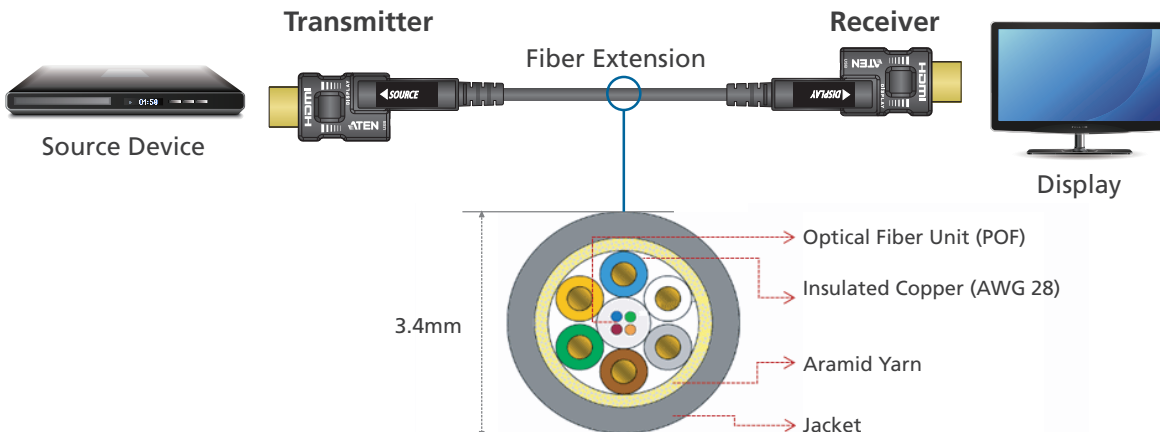
Engineered to meet the latest trend of integrator-friendly design, the VE7832 / VE7833 / VE7834 / VE7835 optical cables feature pluggable gender and gold-plated connectors. Therefore, the cables are ideal solutions for extending the reach of your digital signage in a wide range of settings, such as traffic stations, shopping centers, and hospital facilities.



VE7832 / VE7833



VE7834 / VE7835



## Features

- HDMI (3D, Deep Color, True 4K); HDCP 2.2 compliant
- Extends True 4K signals (4096 x 2160 @ 60Hz 4:4:4) up to 100 m
- Supports HDR
- Reduced EMI and RFI for lower noise interference
- Supports multi audio channel – Dolby TrueHD and DTS-HD Master Audio
- A range of cable lengths, available in 15, 30, 60, and 100 m
- Robust cable pulling strength (Max.10 kg) and compression load resistance (Max.50 kg)
- Additional power source is available via Micro USB cable for better compatibility
- Gold-plated connectors for reliable transmissions
- Compliant with International Flame Retardant Standards : UL CMP-OF (Plenum)
- Pluggable gender for easy installation
- Plug-and-play

## Highlights

<p><b>True 4K / 4K HDR</b></p>	<p>VE7832 / VE7833 / VE7834 / VE7835 are ATEN's premiere True 4K HDMI Active Optical Cables. Without any compression, the VE7832 / VE7833 / VE7834 / VE7835 can extend lossless True 4K signals up to 100 m. Whether designing pro A/V installations for the aviation industry, military, medical, or other applications, ATEN True 4K HDMI Active Optical Cables deliver the right solution to ensure your project is a success.</p>
<p><b>Pluggable Design</b></p>	<p>With detachable HDMI connectors, the cable can effortlessly run through a conduit and any other tight spaces, making installation much easier.</p>
<p><b>Gold-plated Connector</b></p>	<p>To prevent corrosion on the connectors, ATEN VE7832 / VE7833 / VE7834 / VE7835 cables are equipped with gold-plated connectors.</p>
<p><b>Reduced EMI &amp; RFI</b></p>	<p>ATEN VE7832 / VE7833 / VE7834 / VE7835 cables reduce the risk of EMI (electromagnetic interference) and RFI (radio-frequency interference), guaranteeing reliable signal transmission.</p>
<p><b>Better Compatibility</b></p>	<p>To increase compatibility, an additional power source is available via Micro USB cables from both source and display.</p>

## Specifications

	VE7832	VE7833	VE7834	VE7835
<b>Cable Length</b>	15 m	30 m	60 m	100 m
<b>Cable Type</b>	Cable Type: Hybrid optical with fiber and copper wire HDMI Standards: High Speed HDMI Cable (HDMI)			
<b>Video Input</b>				
Interfaces	1 x HDMI 19-pin Type-A Male (gold-plated) pluggable (Black) 1 x HDMI Type-D Male (Black)			
<b>Video Output</b>				
Interfaces	1 x HDMI 19-pin Type-A Male (gold-plated) pluggable (Black) 1 x HDMI Type-D Male (Black)			
<b>Video</b>				
Max. Data Rate	18 Gbps (6 Gbps per Channel)			
Max. Pixel Clock	600 MHz (Max.)			
Compliance	HDMI (3D, Deep Color, 4K, HDR) HDCP 2.2 Color sub-sampling: 4:4:4 / 4:2:2 / 4:2:0 Color Depth: 30 / 36 / 48 bit			
Max. Resolutions	Up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4:4:4)			
<b>Communication</b>				
Signals	TMDS / HDCP 2.2 / EDID / CEC			
<b>Audio</b>				
Input	PCM 8-channel, Dolby Digital True HD, DTS-HD Master Audio			
Output	PCM 8-channel, Dolby Digital True HD, DTS-HD Master Audio			
<b>Conductor</b>				
Construction	6 x Insulated Copper wire (28 AWG) 4 x Fiber			
<b>Jacketed</b>				
Material	UL Plenum (CMP-OF)			
<b>Power Consumption</b>	5V, 0.148A, 0.63W (Max.)			
<b>Power (Optional)</b>	Micro USB to USB cable (45 cm) 5V, 0.148A			
<b>Certifications</b>				
Certifications	Safety and Emission: CE / FCC / RoHS2 / UL CMP-OF Bend Radius: 6 mm (Min.) Connector Pull Strength: Max. 10 kg (100N) Compression Load Resistance: Max. 50 kg (500N) Reduced EMI & RFI			
<b>Notification</b>				
<b>Environmental</b>				
Operating Temperature	0°C to 50°C			
Storage Temperature	-20°C to 70°C			
Humidity	0 - 85% RH, Non-Condensing			
<b>Physical Properties</b>				
Housing	Connector Case: ABS (Acrylonitrile Butadiene Styrene)			
Cable Outer Dimension	Cable Outer Diameter: 3.4 mm (± 0.2 mm)			
Conductor Gauge	Copper wire (28 AWG)			
Conductor Material	Copper			
Unit weight	0.28 kg	0.5 kg	1.0 kg	1.64 kg

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