

## VE781010

10 m True 4K HDMI Active Optical Cable (True 4K@10 m)



ATEN VE781010 True 4K HDMI 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 10 m with full support of True 4K resolutions. It is fully compliant with HDCP 2.2 standards and meets 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. The VE781010 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

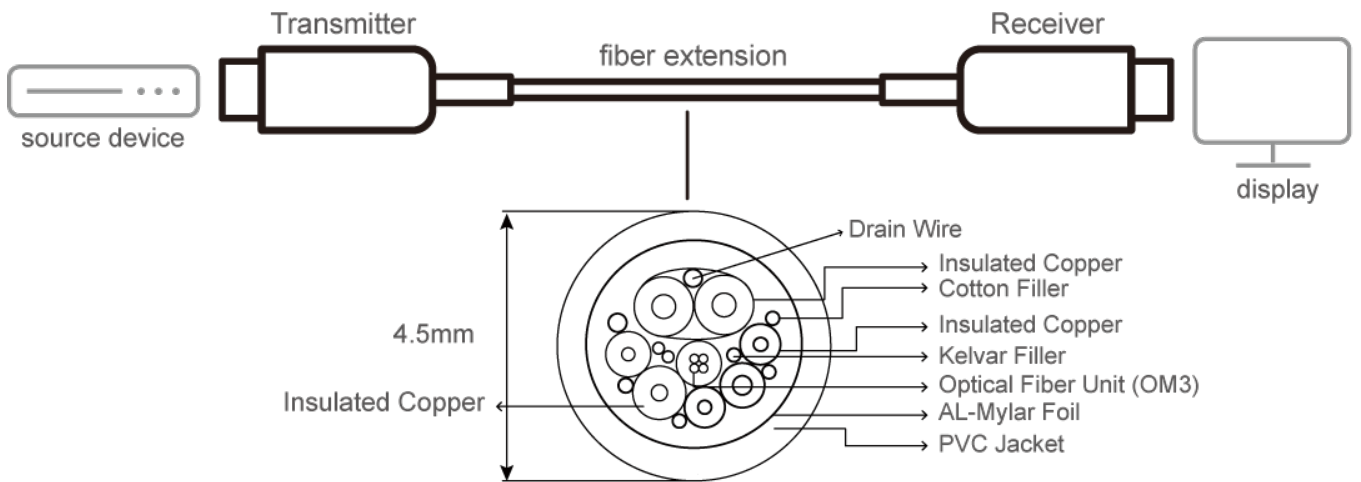
- Supports resolution up to True 4K (4096 x 2160 @ 60Hz 4:4:4)
- HDMI (3D, Deep Color, True 4K, HDR, ARC); HDCP 2.2 compliant
- Extends True 4K signals up to 10 m
- Reduced EMI and RFI for lower noise interference
- High data transfer rate of 18 Gbps
- Supports multi audio channel – Dolby TrueHD and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

### Specification

|                |  |
|----------------|--|
| Cable Length   | 10M / 32.8ft   |
| 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 @60Hz (4:4:4) / 10M<br>*Color sub-sampling: 4:4:4 / 4:2:2 / 4:2:0<br>*Color Depth: 30 / 36 / 48 bit  |
| Compliance                  | HDMI (3D, Deep Color, 4K, HDR, ARC)<br>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<br>4 x OM3 Optical Fiber (50/125um)  |
| Notification                | Bend Radius: 20mm (Min.)<br>Compression Load Resistance: Max. 50kg (500N)<br>Cable Filler: Kevlar<br>Cable Marking: ATEN INTERNATIONAL --- HIGH SPEED HDMI HYBRID ACTIVE OPTICAL CABLE 4K@60Hz 18Gbps -- PVC CE EU RoHS EC ZONE/DEVICE<br>* NO external power required |
| Certifications              |  |
| Certifications              | Safety and Emission: CE / FCC / RoHS / REACH / UL VW-1<br>EMC Class-A / Class-B  |
| Power Consumption           | DC5.0V:0.25W:0.05ABTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.                |
| Jacketed                    |  |
| Material                    | PVC (85P)<br>Color: Black  |
| 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                      | 0.35 kg ( 0.77 lb )  |
| Cable Outer Dimension       | 4.5mm (± 0.2mm)  |
| Carton Lot                  | 5 pcs  |

Diagram



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