

## 8K HDMI Fiber Active Optical Cable (AOC) with Detachable Connectors (M/M) - 8K UHD @ 60 Hz, HDR, HDCP 2.3, Black, 40 m (131 ft.)

MODEL NUMBER: P568FMM-40M-8K6



8K fiber cable transmits enhanced UHD 8K video with Dynamic HDR and 4:4:4 color in home theater and digital signage applications.

### Features

#### HDMI Cable Helps Your Gaming, Home Theater or Digital Signage Setup Get 8K-Ready

This HDMI cable (M/M) securely connects laptops, tablets, PCs, Blu-ray players, game consoles or satellite/cable TV boxes to HDTVs, HD monitors, projectors or home theater receivers. Because the cable uses optical fiber, it can transmit HDMI signals longer distances with no latency or loss.

#### Enjoy the Clarity of 8K Video with 7.1-Channel Surround Sound and 4:4:4 Color

The P568FMM-40M-8K6 supports UHD 8K video resolutions, 36-bit Deep Color, Dolby 7.1-channel surround sound and bandwidth up to 48 Gbps. It supports HDR (High Dynamic Range), providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.2 encryption allows you to stream 4K content with no complications. This cable also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

#### Take Advantage of the Most Advanced HDMI Features for Premier Picture Quality

This 8K-ready cable allows your compatible hardware to deliver up-to-date HDMI features. QMS (Quick Media Switching) switches from one frame rate to another without the delay of a blank screen between them. ALLM (Auto Low Latency Mode), VRR (Variable Refresh Rate) and QFT (Quick Frame Transport) reduce latency, refresh rate and lag for a more vivid gaming experience.

#### Advanced Fiber Cable Is Easier to Install than Copper

Because the fiber cable is slimmer and more flexible than standard copper HDMI cables, the P568FMM-40M-8K6 is easier to install around corners and in hard-to-reach spaces behind equipment. Detachable HDMI (Type A) to Micro-HDMI (Type D) adapters on each end help you pull the cable through one-inch conduit (drill smaller holes if routing cable through walls or surfaces). **Note:** The cable must be installed in the correct direction to function properly, so please check the Source and Display labels on the connectors before installation.

#### Invest in Quality Construction for Reliable Performance

You're expecting this 8K cable to last a long time, which is why it has been constructed with high-quality materials. Contacts are gold-plated to resist corrosion. Double shielding reduces line noise (EMI/RFI) that can interfere with your audio/video signal and disrupt the performance of your connected equipment. The cable draws power from the connected device, so no external power supply is needed to transmit the HDMI signal across the longer distances unique to fiber optic cabling.

### Highlights

- Supports UHD resolutions up to 8K @ 60 Hz (4:4:4) for enhanced video without latency
- Detachable Micro-HDMI adapters help you pull cable through 1 in. conduit
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Fiber optic strands transmit audio/video over longer distances than standard copper
- Disperses EMI/RFI line noise that can disrupt A/V signal and affect equipment performance

### System Requirements

- Both source and display devices must be compatible with HDMI 2.1 standards to access HDMI 2.1 features
- Both source and display devices must be compatible with 8K standards to watch 8K video

### Package Includes

P568FMM-40M-8K6 HDMI Fiber Active Optical Cable, M/M, Black, 40 m (131 ft.)



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## Specifications

| OVERVIEW                             |                            |
|--------------------------------------|----------------------------|
| UPC Code                             | 037332289094               |
| Product Type                         | Active Optical Cable (AOC) |
| Technology                           | HDMI                       |
| Cable Type                           | Active                     |
| VIDEO                                |                            |
| Video Input                          | HDMI (MALE)                |
| Video Output                         | HDMI (MALE)                |
| Max Supported Video Resolution       | 7680 x 4320 (8K) @ 60Hz    |
| Max 1280 x 720 (720p) Range (ft)     | 131                        |
| Max 1920 x 1080 (1080p) Range (ft)   | 131                        |
| Max 1920 x 1200 Range (ft)           | 131                        |
| Max 2560 x 1600 Range (ft)           | 131                        |
| Max 3840 x 2160 (4K@30Hz) Range (ft) | 131                        |
| Max 3840 x 2160 (4K@60Hz) Range (ft) | 131                        |
| Max 4096 x 2160 (4K) Range (ft)      | 131                        |
| Max 5120 x 2880 (5K) Range (ft)      | 131                        |
| Max 7680 x 4320 (8K@30Hz) Range (ft) | 131                        |
| Max 7680 x 4320 (8K@60Hz) Range (ft) | 131                        |
| Signal Range (ft)                    | 131                        |
| Signal Range (m)                     | 40                         |
| Max Supported Color Depth            | 36-bit Deep Color          |
| HDR Support                          | Yes                        |
| 3D Video Supported                   | Yes                        |
| Chroma Sub Sampling                  | 4:4:4                      |
| Maximum Signal Range (ft)            | 131                        |
| Maximum Signal Range (m)             | 40                         |
| Signal Transmission                  | Unidirectional             |
| DisplayPort Alt Mode                 | No                         |
| AUDIO                                |                            |



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|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| Audio Specification                          | DOLBY TRUE HD/DTS-HD              |
| <b>CONNECTIONS</b>                           |                                   |
| Side A - Connector 1                         | HDMI (MALE); MICRO HDMI (MALE)    |
| Side B - Connector 1                         | HDMI (MALE); MICRO HDMI (MALE)    |
| Connector Plating                            | Gold                              |
| Contact Plating                              | Gold                              |
| Connector Style                              | Straight                          |
| Latching or Gripping Connector               | No                                |
| <b>PHYSICAL</b>                              |                                   |
| Color                                        | Black                             |
| Material of Construction                     | CABLE: PVC, CONNECTOR: ZINC ALLOY |
| Cable Jacket Color                           | Black                             |
| Connector Color                              | Gray                              |
| Cable Jacket Material                        | PVC                               |
| Cable Jacket Rating                          | VW-1                              |
| Cable Outer Diameter (OD)                    | 4.5MM                             |
| Wire Gauge (AWG)                             | 30/28/24                          |
| Cable Length (ft.)                           | 131                               |
| Cable Length (m)                             | 39.94                             |
| Cable Length (in.)                           | 1572                              |
| Minimum Bend Radius                          | 48mm                              |
| Number of Displays                           | 1                                 |
| Form Factor/Mounting Options                 | Cable                             |
| Unit Dimensions (hwd / in.)                  | 1.540 x 9.250 x 8.860             |
| <b>ENVIRONMENTAL</b>                         |                                   |
| Operating Temperature Range                  | 14° to 131°F (-10° to 55°C)       |
| Storage Temperature Range                    | -13° to 158°F (-25° to 70°C)      |
| Operating Humidity Range                     | 10% to 85% RH, NON-CONDENSING     |
| Storage Humidity Range                       | 5% to 90% RH, NON-CONDENSING      |
| <b>COMMUNICATIONS</b>                        |                                   |
| EDID Compatible                              | Yes                               |
| Consumer Electronics Control (CEC) Supported | Yes                               |



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| FEATURES & SPECIFICATIONS                   |                                          |
|---------------------------------------------|------------------------------------------|
| EMI/RFI Line Noise Protection               | No                                       |
| Integrated/Removable Cable                  | No                                       |
| MST Support                                 | No                                       |
| Antibacterial                               | No                                       |
| Fully Molded Connector Ends                 | No                                       |
| Ohms                                        | No                                       |
| Integral Strain Relief                      | No                                       |
| Impedance-Matched Twisted-Pair Construction | No                                       |
| Scaler Function                             | No                                       |
| IP67 Rated                                  | No                                       |
| Armored Cable                               | No                                       |
| HDCP Specification                          | 1.4; 2.3                                 |
| Driver Required                             | No                                       |
| DIN Mountable                               | No                                       |
| STANDARDS & COMPLIANCE                      |                                          |
| Product Compliance                          | CE (Europe); FCC (USA); RoHS; UKCA; WEEE |
| WARRANTY & SUPPORT                          |                                          |
| Product Warranty Period (Worldwide)         | 3-year limited warranty                  |

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