

# High-Speed Armored HDMI Fiber Active Optical Cable (AOC) - 4K @ 60 Hz, HDR, 4:4:4, M/M, Black, 20 m (65 ft.)

MODEL NUMBER: P568FA-20M



Fiber HDMI cable with durable TPU jacket carries UHD 4K video/audio in outdoor and industrial digital signage and security applications.

## Features

### 4K HDMI Cable Connects Industrial and Outdoor Security and Digital Signage Components

This high-speed HDMI cable securely connects HDMI-enabled laptops, tablets, Blu-ray players, game consoles, media servers or security cameras 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. It also eliminates any EMI/RFI line noise that can interfere with your audio/video signal and disrupt the performance of your connected equipment.

### Transmits Crystal-Clear 4K Video with HDR and 4:4:4 Color

The P568FA-20M supports Ultra HD resolutions up to 4K. High Dynamic Range (HDR) provides a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.2 compliance allows you to stream 4K Amazon and Netflix content with no complications. The cable also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor, as well as other current HDMI standards, including 3D, 48-bit Deep Color and Dolby 5.1-channel surround sound.

### Armored Cable Jacket Ideal for Areas Where Extra Protection Is Needed

The outer thermoplastic polyurethane (TPU) jacket offers UV protection for applications in which the cable is installed outdoors. The crush-resistant stainless steel armored tube protects the cabling against excessive force. The DuPont Kevlar resists heat and provides tensile strength to the cable when it is being bent or pulled. This type of cable construction provides ideal protection in outdoor applications where the cable is exposed to crushing, cuts and abrasion.

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

Because the fiber cable is slimmer and more flexible than standard copper HDMI cables, the P568FA-20M is easier to install around corners and in hard-to-reach spaces behind equipment. It 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. **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.

## Specifications

## Highlights

- Supports 4K video resolutions (4:4:4)
- 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
- Armored cable with TPU jacket for outdoor use resists crushing, cutting and abrasions

## Applications

- Connect digital signage in factories, warehouses, recycling plants, machine shops and other industrial environments
- Provide 4K video connectivity in outdoor environments susceptible to rain, such as a stadium or outdoor arena
- Watch 4K video content from a Blu-ray player, game console, laptop or tablet on an Ultra HD television, monitor or projector
- Connect a security camera or other A/V surveillance equipment to a central 4K display

## Package Includes

P568FA-20M High-Speed Armored HDMI Fiber Active Optical Cable, M/M, Black, 20 m (65 ft.)



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| OVERVIEW                             |                            |
|--------------------------------------|----------------------------|
| UPC Code                             | 037332261014               |
| Product Type                         | Active Optical Cable (AOC) |
| Technology                           | HDMI                       |
| VIDEO                                |                            |
| Video Input                          | HDMI (MALE)                |
| Video Output                         | HDMI (MALE)                |
| Max Supported Video Resolution       | 3840 x 2160 (4K) @ 60Hz    |
| Max 1280 x 720 (720p) Range (ft)     | 65                         |
| Max 1920 x 1080 (1080p) Range (ft)   | 65                         |
| Max 1920 x 1200 Range (ft)           | 65                         |
| Max 2560 x 1600 Range (ft)           | 65                         |
| Max 3840 x 2160 (4K@30Hz) Range (ft) | 65                         |
| Max 3840 x 2160 (4K@60Hz) Range (ft) | 65                         |
| Signal Range (ft)                    | 65                         |
| Signal Range (m)                     | 20                         |
| Max Supported Color Depth            | 48-bit                     |
| HDR Support                          | Yes                        |
| 3D Video Supported                   | Yes                        |
| Chroma Sub Sampling                  | 4:4:4                      |
| Maximum Signal Range (ft)            | 65                         |
| Maximum Signal Range (m)             | 20                         |
| Signal Transmission                  | Unidirectional             |
| INPUT                                |                            |
| Bus Powered                          | No                         |
| POWER                                |                            |
| Power Over Cable (PoC) Support       | No                         |
| CONNECTIONS                          |                            |
| Side A - Connector 1                 | HDMI (MALE)                |
| Side B - Connector 1                 | HDMI (MALE)                |
| Contact Plating                      | Gold                       |
| Latching or Gripping Connector       | No                         |



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| PHYSICAL                                     |                               |
|----------------------------------------------|-------------------------------|
| Color                                        | Black                         |
| Material of Construction                     | TPU                           |
| Cable Jacket Color                           | Black                         |
| Cable Jacket Material                        | TPU                           |
| Cable Jacket Rating                          | Armored                       |
| Cable Outer Diameter (OD)                    | 5.8 mm                        |
| Cable Length (ft.)                           | 65                            |
| Cable Length (m)                             | 19.82                         |
| Cable Length (in.)                           | 780                           |
| Number of Displays                           | 1                             |
| Form Factor/Mounting Options                 | Cable                         |
| Unit Dimensions (hwd / in.)                  | 2.800 x 8.700 x 9.300         |
| ENVIRONMENTAL                                |                               |
| Operating Temperature Range                  | 32° to 122°F (0° to 50°C)     |
| Storage Temperature Range                    | -40° to 158°F (-40° to 70°C)  |
| Operating Humidity Range                     | 10% to 80% RH, Non-Condensing |
| Storage Humidity Range                       | 10% to 80% RH, Non-Condensing |
| COMMUNICATIONS                               |                               |
| EDID Compatible                              | Yes                           |
| IR Remote Extension Support                  | No                            |
| RS-232 Serial Extension Support              | No                            |
| Consumer Electronics Control (CEC) Supported | No                            |
| FEATURES & SPECIFICATIONS                    |                               |
| EMI/RFI Line Noise Protection                | Yes                           |
| 10/100 Ethernet Extension Support            | No                            |
| Antibacterial                                | No                            |
| IP68 Rated                                   | No                            |
| IP20 Rated                                   | No                            |
| Armored Cable                                | Yes                           |
| Driver Required                              | No                            |
| STANDARDS & COMPLIANCE                       |                               |

|                                     |                                                 |
|-------------------------------------|-------------------------------------------------|
| Product Compliance                  | CE (Europe); FCC (USA); REACH; RoHS; UKCA; WEEE |
| WARRANTY & SUPPORT                  |                                                 |
| Product Warranty Period (Worldwide) | 3-year limited warranty                         |

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