

## High-Speed Armored HDMI Fiber Active Optical Cable (AOC) with Hooded Connectors - 4K @ 60 Hz, HDR, IP68, M/M, Black, 100 m

MODEL NUMBER: P568FA-100M-WR



Fiber HDMI cable with durable TPU jacket carries 4K video/audio in industrial environments where protection against dust and moisture is needed.

### 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 4K-ready 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-100M-WR is rated up to 18 Gbps and supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified in HDMI 2.0. 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.

#### IP68-Rated Ends Resist Dust and Water

Both HDMI connectors are protected by molded, dust-resistant, IP68-rated watertight hoods, shells and caps. The IP68 rating means the connectors can endure immersion in 1.5 meters of water for up to 60 minutes with no damage or decline in performance. The P568FA-100M-WR is ideal for industrial areas, such as factories and warehouses, and unforgiving outdoor installations, including malls, bus stops and stadiums, where dust, debris and water are present.

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

The thermoplastic polyurethane (TPU) jacket offers added protection against the elements, making the P568FA-100M-WR a recommended cable for outdoor applications, such as digital signage and surveillance systems. The TPU jacket is resistant to crushing, cuts and abrasion and is recommended for industrial spaces, including warehouses and medical facilities.

#### 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-100M-WR is easier to install around corners and in hard-to-reach spaces behind equipment. It draws

### Highlights

- Reel of cable supports 4K @ 60 Hz video resolutions (4:4:4) as specified in HDMI 2.0
- 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
- IP68-rated ends resist dust and endure immersion in 1.5 m of water up to 60 min.
- 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 malls, bus stops and theater marquees
- Build high-speed A/V and Ethernet infrastructure in basements, factories, warehouses and other indoor areas prone to flooding
- 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-100M-WR High-Speed Armored HDMI Fiber Active Optical Cable on Reel, M/M, Black, 100 m (328 ft.)



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

| OVERVIEW                             |                            |
|--------------------------------------|----------------------------|
| UPC Code                             | 037332261496               |
| Product Type                         | Active Optical Cable (AOC) |
| Technology                           | HDMI                       |
| VIDEO                                |                            |
| Video Input                          | HDMI (MALE)                |
| Video Output                         | HDMI (MALE)                |
| Max Supported Video Resolution       | 3840x2160 (4K @ 60Hz)      |
| Max 1280 x 720 (720p) Range (ft)     | 328                        |
| Max 1920 x 1080 (1080p) Range (ft)   | 328                        |
| Max 1920 x 1200 Range (ft)           | 328                        |
| Max 2560 x 1600 Range (ft)           | 328                        |
| Max 3840 x 2160 (4K@30Hz) Range (ft) | 328                        |
| Max 3840 x 2160 (4K@60Hz) Range (ft) | 328                        |
| Signal Range (ft)                    | 328                        |
| Signal Range (m)                     | 100                        |
| Max Supported Color Depth            | 48-bit                     |
| HDR Support                          | Yes                        |
| 3D Video Supported                   | Yes                        |
| Chroma Sub Sampling                  | 4:4:4                      |
| Maximum Signal Range (ft)            | 328                        |
| Maximum Signal Range (m)             | 100                        |
| INPUT                                |                            |
| Bus Powered                          | No                         |
| POWER                                |                            |
| Power Over Cable (PoC) Support       | No                         |



| <b>PHYSICAL</b>                              |                               |
|--|-------------------------------|
| Color  | Black                         |
| Material of Construction                     | TPU                           |
| Cable Jacket Material                        | TPU                           |
| Cable Jacket Rating                          | Armored                       |
| Cable Outer Diameter (OD)                    | 5.8mm                         |
| Cable Length (ft.)                           | 328                           |
| Cable Length (m)                             | 100.00                        |
| Number of Displays                           | 1                             |
| Form Factor/Mounting Options                 | Cable                         |
| <b>ENVIRONMENTAL</b>                         |                               |
| 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 |
| <b>COMMUNICATIONS</b>                        |                               |
| EDID Compatible                              | No                            |
| IR Remote Extension Support                  | No                            |
| RS-232 Serial Extension Support              | No                            |
| Consumer Electronics Control (CEC) Supported | No                            |
| <b>CONNECTIONS</b>                           |                               |
| Side A - Connector 1                         | HDMI (MALE)                   |
| Side B - Connector 1                         | HDMI (MALE)                   |
| Contact Plating                              | Gold                          |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |                               |
| Driver Required                              | No                            |
| EMI/RFI Line Noise Protection                | Yes                           |
| 10/100 Ethernet Extension Support            | No                            |
| IP68 Rated                                   | Yes                           |
| Ingress Protection (IP) Rating               | IP68                          |
| Armored Cable                                | Yes                           |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

| <b>STANDARDS &amp; COMPLIANCE</b>   |                         |
|-------------------------------------|-------------------------|
| Certifications                      | CE, FCC, RoHS, REACH    |
| Protection Rating                   | IP68                    |
| <b>WARRANTY</b>                     |                         |
| Product Warranty Period (Worldwide) | 3-year limited warranty |

© 2021 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>