High-Speed Armored HDMI Fiber Active Optical Cable (AOC) with Hooded Connectors - 4K @ 60 Hz, HDR, IP68, M/M, Black, 50 m (164 ft.)

MODEL NUMBER: **P568FA-50M-W**



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-50M-W supports Ultra HD resolutions up to 4K, with Dolby 5.1-channel surround sound. 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 a molded, dust-resistant, IP68-rated watertight hood 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-50M-W 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 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-50M-W is easier to install around corners and in hard-to-reach spaces behind equipment. It draws power

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
- 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-50M-W High-Speed Armored HDMI Fiber Active Optical Cable, M/M, Black, 50 m (164 ft.)

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	037332260987
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)	164
Max 1920 x 1080 (1080p) Range (ft)	164
Max 1920 x 1200 Range (ft)	164
Max 2560 x 1600 Range (ft)	164
Max 3840 x 2160 (4K@30Hz) Range (ft)	164
Max 3840 x 2160 (4K@60Hz) Range (ft)	164
Signal Range (ft)	164
Signal Range (m)	50
Max Supported Color Depth	48-bit
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
Maximum Signal Range (ft)	164
Maximum Signal Range (m)	50
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
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.)	164
Cable Length (m)	50.00
Cable Length (in.)	1968
Number of Displays	1
Form Factor/Mounting Options	Cable
Unit Dimensions (hwd / in.)	2.800 x 10.800 x 11.300
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

Ingress Protection (IP) Rating	IP68
Armored Cable	Yes
Driver Required	No
STANDARDS & COMPLIANCE	
Protection Rating	IP68
Product Compliance	CE (Europe); FCC (USA); REACH; RoHS; UKCA; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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