

High-Speed Armored HDMI Fiber Active Optical Cable (AOC) - HDMI 2.1, 8K 60Hz/4K 120Hz, 48 Gbps, HDR, eARC, 4:4:4, M/M, Black, 50 m (164 ft.)

MODEL NUMBER: P568FA-50M-8K6



Fiber HDMI cable with durable silicone jacket carries UHD 8K video/audio in outdoor and industrial digital signage and security applications.

Features

8K HDMI Cable Connects Outdoor and Industrial Signage and Pro AV Installs

This high-speed HDMI cable securely connects 8K media servers, laptops, video recorders/decoders, Blu-ray players and gaming consoles to UHD televisions, monitors, projectors and audio receivers. It is recommended for factories, warehouses, recycling plants, machine shops and other industrial environments, as well as outdoor environments susceptible to rain, such as stadiums and shopping centers.

Supports HDMI 2.1 Features

The P568FA-50M-8K6 supports 48 Gbps bandwidth for 8K applications with no latency or loss. Because this active cable uses optical fiber, it minimizes signal degradation common to long copper cable runs and delivers dependable 8K video in high-interference spaces. It's an ideal cable for premium digital signage and rapid-motion video transmission with 8K sources and displays. **Note:** Actual performance beyond 30 meters depends on source/sink tolerance, cable pull path and in-path devices, such as couplers and wall plates. For guaranteed 48 Gbps performance across device combinations, we recommend a cable length of 30 meters or less.

Transmits Crystal-Clear 8K Video with Dynamic HDR and 4K/120 Hz Support

The P568FA-50M-8K6 supports 8K (7680 x 4320) at 60 Hz or 4K (3840 x 2160) at 120 Hz with full 48 Gbps bandwidth for high-quality video transmission. Dynamic HDR offers a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your display. HDCP 2.3 encryption allows you to stream 8K or 4K content with no loss in resolution. This HDMI cable also supports 4:4:4 chroma, 3D video, 48-bit Deep Color, EDID/DDC and eARC (Enhanced Audio Return Channel) for uncompressed multi-channel audio to soundbars and AVRs.

Filtering EMI/RFI Line Noise Helps Your Equipment Perform Better

Triple shielding filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

Armored Cable Jacket Recommended for Areas Where Extra Protection Is Needed

The crush-resistant silicone plenum jacket offers protection when the cable is installed outdoors or in other

Highlights

- Supports UHD resolutions up to 8K @ 60 Hz (4:4:4) for enhanced video without latency
- Supports Dynamic HDR for richer contrast and expanded color accuracy per frame
- Fiber optic strands send audio/video over longer distances than standard copper
- Dispels EMI/RFI line noise that can disrupt A/V signal and affect equipment performance
- Silicone jacket and Dupont Kevlar for industrial use resist crushing, cutting and abrasions

Package Includes

P568FA-50M-8K6 High-Speed Armored HDMI Fiber Active Optical Cable, M/M, Black, 50 m (164 ft.)

harsh environments. DuPont Kevlar reinforcement resists heat and provides tensile strength to the cable when it is bent or pulled. This type of cable construction provides ideal protection in outdoor or industrial applications where the cable is exposed to crushing, cuts and abrasion.

Advanced Fiber Cable Is Easier to Install than Copper

Because fiber cable is slimmer and more flexible than standard copper cables, the P568FA-50M-8K6 makes cable pulls easier in conduits and industrial areas. It draws power from the connected device, so no external power supply is needed to send 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 check the Source and Display labels on the connectors before installation.*

Specifications

OVERVIEW	
UPC Code	037332300362
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 @ 60Hz (8K)
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 Deep Color
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
Bandwidth	48 Gbps



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AUDIO	
Audio Specification	EARC, HEC, Dolby 7.1 Channel Surround Sound
INPUT	
Bus Powered	Yes
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	Silicone
Cable Jacket Color	Gray
Connector Color	Black
Cable Jacket Material	Silicone
Cable Jacket Rating	CMP
Cable Outer Diameter (OD)	6.2mm
Wire Gauge (AWG)	32
Cable Length (ft.)	164
Cable Length (m)	50.00
Cable Length (in.)	1968
Unit Dimensions (hwd / in.)	9.250 x 8.850 x 1.530
ENVIRONMENTAL	
Operating Temperature Range	32° to 122°F (0° to 50°C)
Storage Temperature Range	-40° to 158°F (-40° to 70°C)
Relative Humidity	10% to 80% RH, Non Condensing
Operating Humidity Range	10% to 80% RH, Non-Condensing
Storage Humidity Range	10% to 80% RH, Non-Condensing
COMMUNICATIONS	
EDID Compatible	Yes



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IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
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
HDCP Specification	1.4; 2.2; 2.3
Driver Required	No
STANDARDS & COMPLIANCE	
Product Certifications	EN 55032; EN 55035; ICES (Canada); IEC/EN 63000
Product Compliance	CE (Europe); FCC Part 15 Class B (USA); REACH; RoHS3; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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