DisplayPort Active Optical Cable (AOC), 8K 60 Hz (M/M), CL3 Rated, Latching Connectors, Black, 25 m (82 ft.)

MODEL NUMBER: **P580F3-25M-8K6**









High-speed in-wall fiber cable connects A/V components to an 8K display in your digital signage application, auditorium or security system.

Features

8K DisplayPort Cable Gets Your Gaming, Home Theater or Digital Signage Setup 8K-Ready
This DisplayPort fiber optic cable (M/M) securely connects DisplayPort-enabled source and display devices compatible with 8K audio/video signals. Backward compatible with all your existing DisplayPort devices, including Blu-ray players, game consoles and 4K televisions, the P580F3-25M-8K6 is ideal for future-proofing your high-definition or UHD A/V application in anticipation of an 8K upgrade.

Fiber Optic Cabling Allows 8K Transmissions Over Longer Distances
The P580F3-25M-8K6 supports DisplayPort 1.4 bandwidths of 32.4 Gbps, allowing for 8K @ 60 Hz resolutions. Because the cable uses optical fiber instead of copper, it can transmit longer distances with no latency or loss. It also is largely immune to EMI/RFI line noise that can interfere with your audio/video signal and disrupt the performance of your connected equipment.

Enjoy the Clarity of 4K/8K Video with HDR and 4:2:2 Color
The DisplayPort cable supports 8K UHD resolutions up to 7680 x 4320 at 60 Hz, as well as HDR video, providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks. HDCP 2.2 and 1.4 compliance and 4:2:2 chroma subsampling allow you to stream 4K Amazon and Netflix content with no complications. The cable is backward compatible with 4K and 1080p equipment.

Advanced Fiber Cable Is Easier to Install than Copper
Because the fiber cable is slimmer and more flexible than standard copper cables, the P580F3-25M-8K6 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 audio/video 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.*

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. The PVC jacket carries a CL3 rating, making it suitable for in-wall cable installation in residential or commercial settings. Contacts are gold-plated to provide maximum conductivity and minimum data loss to guarantee a clear transmission free of interference.

25 m (82 ft.) Cable Lets You Design an Audio/Video Application to Your Specifications

Highlights

- Supports UHD resolutions up to 8K @ 60 Hz (4:2:2) for heightened video quality
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Complies with HDCP 2.2 and 1.4 standards to display up-to-date 8K video content
- CL3-rated PVC cable jacket meets required standards for commercial in-wall installation
- Draws power from connected device to transmit 8K signal over long distances

Applications

- Watch 8K video from a compatible Blu-ray player, game console, laptop or tablet on a compatible television, monitor or projector
- Connect a Windows laptop to a conference table's A/V box to give a video presentation on a large screen
- Send 8K video content via in-wall cable setups to digital signs or point-of-sale displays
- Connect a security camera or other A/V surveillance equipment to a central monitor

System Requirements

Both source and display devices must be compatible with 8K standards to watch 8K video

Package Includes

P580F3-25M-8K6 DisplayPort Fiber Active Optical Cable, M/M, Black, 25 m (82 ft.)

This long cable allows you greater flexibility in placing your home theater or digital signage components. For instance, your laptop or media server may be concealed some distance from the connected display for security purposes.

Specifications

OVERVIEW	
UPC Code	037332259912
Product Type	Active Optical Cable (AOC)
Technology	DisplayPort
VIDEO	
Video Input	DISPLAYPORT (MALE)
Video Output	DISPLAYPORT (MALE)
Max Supported Video Resolution	7680 x 4320 (8K) @ 60Hz
Max 1280 x 720 (720p) Range (ft)	82
Max 1920 x 1080 (1080p) Range (ft)	82
Max 1920 x 1200 Range (ft)	82
Max 2560 x 1600 Range (ft)	82
Max 3840 x 2160 (4K@30Hz) Range (ft)	82
Max 3840 x 2160 (4K@60Hz) Range (ft)	82
Max 4096 x 2160 (4K) Range (ft)	82
Max 5120 x 2880 (5K) Range (ft)	82
Max 7680 x 4320 (8K@30Hz) Range (ft)	82
Max 7680 x 4320 (8K@60Hz) Range (ft)	82
Signal Range (ft)	82
Signal Range (m)	25
Max Supported Color Depth	36-bit True Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:2:0; 4:2:2
Maximum Signal Range (ft)	82
Maximum Signal Range (m)	25
Signal Transmission	Unidirectional
INPUT	

Bus Powered	No
POWER	
Power Over Cable (PoC) Support	No
CONNECTIONS	
Side A - Connector 1	DISPLAYPORT (MALE)
Side B - Connector 1	DISPLAYPORT (MALE)
Connector Plating	Gold
Contact Plating	Gold
Connector Style	Straight
Latching or Gripping Connector	Yes
PHYSICAL	
Color	Black
Material of Construction	PVC + ZINC ALLOY
Cable Jacket Color	Black
Cable Jacket Material	PVC
Cable Jacket Rating	CL3
Cable Outer Diameter (OD)	4.8 mm
Wire Gauge (AWG)	30
Cable Length (ft.)	82
Cable Length (m)	25.00
Cable Length (in.)	984
Ferrite Core	No
Minimum Bend Radius	48mm
Number of Displays	1
Form Factor/Mounting Options	Cable
Shipping Dimensions (hwd / in.)	2.56 x 7.87 x 7.48
Shipping Weight (kg)	0.82
Unit Dimensions (hwd / in.)	2.560 x 7.870 x 7.480
ENVIRONMENTAL	
Operating Temperature Range	32° to 113°F (0° to 45°C)
Storage Temperature Range	-40° to 158°F (-40° to 70°C)
Operating Humidity Range	10% to 85% RH, Non-Condensing
Storage Humidity Range	5% to 90% RH, Non-Condensing

COMMUNICATIONS	
EDID Compatible	No
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
MST Support	Yes
Antibacterial	No
IP68 Rated	No
IP20 Rated	No
Armored Cable	No
Ethernet Support	No
Displayport Specification	1.4
HDCP Specification	1.4; 2.2
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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