DisplayPort 2.1 Cable with Latching Connectors (M/M), 8K 60 Hz, 40 Gbps, HDR, HBR3, MST, 4:4:4, HDCP 2.2, Black, 6 ft. (1.8 m)

MODEL NUMBER: **P580-006-8K6-2**



8K DisplayPort cable connects your source and display devices to transmit enhanced 8K Ultra HD audio/video with HDR and 4:4:4 chroma.

Features

DisplayPort 2.1 Cable Gets Your Gaming, Home Theater or Digital Signage Setup 8K-Ready
This high-speed DisplayPort (DP) cable (M/M) securely connects source and display devices compatible with DP 2.1 audio/video signals. Backward compatible with all your existing DisplayPort devices, including Blu-ray players, gaming/VR consoles and 4K televisions, the P580-006-8K6-2 is ideal for future-proofing your high-definition or Ultra HD application in anticipation of an 8K upgrade. It transmits 10 Gbps per lane over four lanes to provide bandwidth up to 40 Gbps for sharper resolution and brighter color.

Enjoy the Clarity of 4K/8K Video with Multi-Channel Audio and 4:4:4 Color
The P580-006-8K6-2 supports 8K UHD resolutions up to 7680 x 4320 at 60 Hz and 32 audio channels. It's compatible with DisplayPort 2.1 standards for HDR, providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks. HDCP 2.2 compliance allows you to stream 4K content with no complications. This cable also supports 4:4:4 chroma subsampling for top-level online gaming or using your HDTV as a PC monitor.

DisplayPort Multi-Stream Transport (MST) Allows Connection of Multiple Displays
By connecting this cable to a source that supports DisplayPort MST mode, you may connect two 8K displays simultaneously. This allows you to display the same image on both monitors, extend your host desktop across both with different windows open on each, or combine both into one large display as a video wall. The P580-006-8K6-2 supports video extenders for connecting source and display devices over long distances.

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, such as a rugged PVC jacket. Contacts are gold-plated to resist corrosion. The male connectors latch securely to help prevent the cable from becoming accidentally disconnected and disrupting a continuous audio/video signal.

Highlights

- Supports UHD resolutions up to 8K @ 60 Hz (4:4:4) for state-of-the-art video quality
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Complies with HDCP 2.2 standards to display up-to-date 4K video content
- Supports DisplayPort MST mode for extending video to a second display
- Plug-and-play operation with no software required for easy, immediate installation

System Requirements

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

Package Includes

P580-006-8K6-2 DisplayPort 2.1 Cable (M/M), 8K 60 Hz, Black, 6 ft. (1.8 m)

Specifications

OVERVIEW	
UPC Code	037332284198
Product Type	Passive Cable
Technology	DisplayPort
Cable Type	Passive
VIDEO	
Max Supported Video Resolution	7680 x 4320 (8K) @ 60Hz
Max Supported Color Depth	30-bit Deep Color
HDR Support	Yes
3D Video Supported	No
Chroma Sub Sampling	4:2:0; 4:2:2; 4:4:4
Bandwidth	40 Gbps
DisplayPort Alt Mode	No
AUDIO	
Audio Specification	Supports 32 audio channels
CONNECTIONS	
Side A - Connector 1	DISPLAYPORT (MALE)
Side B - Connector 1	DISPLAYPORT (MALE)
Connector Plating	Nickel
Contact Plating	Gold
Connector Style	Straight
Latching or Gripping Connector	Yes
PHYSICAL	
Color	Black
Material of Construction	PVC
Cable Jacket Color	Black
Connector Color	Black
Cable Jacket Material	PVC
Cable Jacket Rating	VW-1
Cable Outer Diameter (OD)	6.7 mm
Wire Gauge (AWG)	30
Cable Length (ft.)	6
Cable Length (m)	1.83

Cable Length (in.)	72
Shipping Dimensions (hwd / in.)	10.00 x 7.00 x 0.50
Shipping Weight (kg)	0.10
Unit Dimensions (hwd / in.)	10.000 x 7.000 x 0.500
Unit Packaging Type	Polybag
Unit Weight (lbs.)	0.210
Unit Weight (kg)	0.10
ENVIRONMENTAL	
Operating Temperature Range	14° to 140°F (-10° to 60°C)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)
Operating Humidity Range	10% TO 85% RH, NON-CONDENSING
Storage Humidity Range	10% TO 85% RH, NON-CONDENSING
COMMUNICATIONS	
EDID Compatible	No
Consumer Electronics Control (CEC) Supported	No
FEATURES & SPECIFICATIONS	
EMI/RFI Line Noise Protection	No
Integrated/Removable Cable	No
MST Support	Yes
Antibacterial	No
Fully Molded Connector Ends	No
Ohms	No
Integral Strain Relief	No
Impedance-Matched Twisted-Pair Construction	No
Scaler Function	No
IP67 Rated	No
Armored Cable	No
Displayport Specification	2.1
HDCP Specification	2.2
Driver Required	No
DIN Mountable	No
STANDARDS & COMPLIANCE	
Product Compliance	CE (Europe); REACH; RoHS; UKCA; WEEE

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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