

6ft (1.8m) DisplayPort 2.1 Cable, VESA Certified DP40 DisplayPort Cable w/UHBR10/HDR/HDCP 2.2, 8K 60Hz/4K 144Hz w/DSC 1.2a, 40Gbps, DP 2.1 Cable, UHD Monitor Cord, M/M

Product ID: DP21-6F-DP40-CABLE



Connect an 8K/4K UHD DisplayPort monitor to a host computer or MST hub, using this VESA-Certified DisplayPort 2.1 DP40 Cable. This cable facilitates high bandwidth video and multi-channel audio and is ideal for 8K workstations, high performance GPUs, and dedicated AV applications including media production and content creation.

For seamless operation between DisplayPort-enabled devices, the DisplayPort 2.1 Cable is VESA Certified for guaranteed DP 2.1 and backward compatibility (DP 2.0/1.4/1.2). It supports G-Sync and FreeSync, enhancing Variable Refresh Rate (VRR) performance for optimal picture quality between high-capacity GPUs and supported displays.

This DisplayPort cable features a flexible TPE outer jacket that is tested to withstand 600 bending cycles at +/-60 degrees, and routes easily around corners and desk edges. Robust strain reliefs enable convenient positioning of the cable, and latching nickel-plated DP connectors attach securely to prevent accidental disconnection. The connectors are rated to operate beyond 10,000 insertions.

This DP40 DisplayPort cable supports the following DP 2.1 features:

- Resolutions up to 8K 60Hz w/DSC, using a compatible DP source and display
- UHBR10 supports high refresh rates including 4K 120Hz and 1440p 240Hz
- High-Bandwidth Digital Content Protection (HDCP) 2.2 for a secure connection between source and display
- High Dynamic Range 10 (HDR10) for higher contrast ratio and vibrant picture quality
- Display Stream Compression (DSC) 1.2a for maximum resolution output
- Multi-Stream Transport (MST) for daisy-chaining multiple monitors
- 32 Uncompressed Digital Audio Channels

- Backward compatible with previous DP versions

This DP 2.1 Cable is constructed with braided aluminum mylar shielding to minimize EMI for clear, consistent audio/video output and long-term reliable performance.

Certifications, Reports and Compatibility



Applications

- Facilitate DisplayPort 2.1 performance with backward compatibility
- Connect a high performance GPU to an 8K 60Hz UHD display

Features

- **HIGH PERFORMANCE:** DP 2.1 Cable is designed for UHBR10-enabled DisplayPort devices; DP40 supports 40Gbps for 8K 60Hz video w/DSC and 32-channel audio; Latching DP connectors; Flexible TPE jacket routes easily through tight spaces
- **FULL DP COMPATIBILITY:** DP 2.1 Cable is VESA certified for guaranteed performance and compatibility with DP 2.1 devices, ensuring reliable signal consistency and smooth video playback on any DisplayPort display; Backward compatible with DP 2.0/1.4/1.2
- **QUALITY CONSTRUCTION:** Nickel-plated ends rated beyond 10,000 insertions; Latching DP connectors prevent accidental disconnections; Aluminum mylar shield for enhanced EMI protection; Durable TPE Jacket and strain reliefs are halogen-free and RoHS compliant
- **APPLICATIONS:** Ideal for high resolution 8K displays; Up to 144Hz refresh rate at 4K resolution; Suitable for high performance GPUs and AV workstations; Supports MST multi-monitor daisy chains; Connect a DP monitor to a UHD docking station
- **SPECS:** Black; 6-foot; VESA-Certified DisplayPort 2.1; DP40 (40Gbps); Supports UHBR10/HDR/MST/DSC 1.2/HDCP 2.2; 8K 60Hz w/DSC, 4K 144Hz, 1440p 240Hz; 32-ch Audio; Backward Compatible w/DP 2.0/1.4/1.2; 30AWG; 6.5mm (0.26in) O.D.

Website Filters

Warranty	2 Years
Fire Rating	VW-1

Hardware

Active or Passive Adapter	Passive
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Connector Plating	Nickel
Cable Jacket Material	TPE - Thermoplastic Elastomers
Cable Shield Material	Aluminum-Mylar Foil with Braid
Cable Type	Passive Copper Cable
Industry Standards	DisplayPort 2.1

Performance

Video Revision	DisplayPort 2.1
Maximum Data Transfer Rate	40Gbps
Audio Specifications	DisplayPort - 32 Channel Audio

Connector(s)

Connector A	1 - DisplayPort
Connector B	1 - DisplayPort

Environmental

Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	10%~85% RH

Physical Characteristics

Color	Black
Connector Style	Straight
Wire Gauge	30 AWG
Material	ABS
Cable Length	6.0 ft [1.8 m]
Cable OD	0.3 in [6.5 mm]
Product Length	6.0 ft [1.8 m]
Product Width	0.8 in [2.1 cm]

Product Height	0.4 in [1.1 cm]
Weight of Product	3.4 oz [96.0 g]

Packaging Information

Package Length	8.7 in [22.0 cm]
Package Width	7.9 in [20.0 cm]
Package Height	0.6 in [1.5 cm]
Shipping (Package) Weight	3.9 oz [110.0 g]

What's in the Box

Included in Package	1 - 6ft DisplayPort 2.1 Cable
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**Product appearance and specifications are subject to change without notice.*