

3m DisplayPort 2.1 Cable, VESA Certified DP54 DisplayPort Cable, Uncompressed 8K 60Hz, 10K 60Hz/8K 144Hz/4K 240Hz w/DSC 1.2a, DP 2.1 Monitor Cord

Product ID: DP21V-3M-DP54-CABLE



Connect an 8K/4K UHD DisplayPort monitor to a host computer or MST hub, using this VESA-Certified DisplayPort 2.1 DP54 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 DP54 DisplayPort cable supports the following DP 2.1 features:

- UHBR13.5 supports high refresh rates including uncompressed 5K 120Hz and 4K 144Hz
- DSC-compressed video up to 16K 30Hz / 10K 60Hz / 4K 240Hz 4:4:4 8-bit
- Uncompressed video resolutions up to 10K 30Hz / 8K 60Hz / 4K 144Hz 4:4:4 8-bit
- High-Bandwidth Digital Content Protection (HDCP) 2.3 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

- Deliver Uncompressed 8K 60Hz Video: Connect this DP 2.1 (DP54) Cable to an ultra-high resolution display for vivid, uncompressed 8K 60Hz/4K 144Hz video with HDR support and HDCP 2.3; Enable immersive sound quality with 32-channel and 7.1 surround audio
- Certified for Guaranteed Performance: Trust this VESA-Certified DP 2.1 cable for guaranteed DP54 (54Gbps) bandwidth with UHBR13.5 link rate support, ensuring full 8K 60Hz performance and up to 16K 30Hz / 10K 60Hz with Display Stream Compression (DSC 1.2a)
- Identify Specs Instantly: DP2.1 (DP54) specs printed on each Quick ID connector remove guesswork and confirm feature support at-a-glance; The eco-friendly TPE jacket is flexible and durable, designed to withstand tight bends and is RoHS-compliant
- For High-Resolution Workflows: Optimize high performance GPUs and AV workstations at UHD resolutions beyond 4K; Achieve sharp 8K picture at 10-bit and 8-bit 4:4:4 chroma; Works with USB-C to DP adapters for laptops such as Apple M-series Pro/Max MacBooks
- The IT Pro's Choice: Our digital display cables are rigorously lab-tested for signal integrity, durability, and compatibility across HDMI, DisplayPort, USB-C, and legacy interfaces; Backed by free lifetime 24/5 multi-lingual technical assistance

General

UPC	065030936583
Warranty	Lifetime

Physical & Environmental

Color	Black
Material	ABS
Connector Style	Straight
Cable Length	10.0 ft [3.0 m]
Cable OD	0.3 in [8.2 mm]
Product Length	9.9 ft [3.0 m]
Product Width	0.9 in [21.7 mm]
Product Height	0.5 in [13.4 mm]
Weight of Product	10.0 oz [282 g]
Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	10%~85% RH

Performance

HDR Support	HDR10
Maximum Data Transfer Rate	54Gbps
Audio Specifications	DisplayPort - 32 Channel Audio
Maximum Digital Resolutions	Uncompressed (8-bit 4:4:4) Up to 10K 30Hz / 8K 60Hz / 5K 120Hz / 4K 144Hz Uncompressed (10-bit 4:4:4) Up to 8K 30Hz / 5K 60Hz / 4K 144Hz With DSC 1.2a Up to 16K 30Hz / 10K 60Hz / 8K 144Hz / 5K 240Hz / 4K 240Hz
Video Revision	DisplayPort 2.1

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
Fire Rating	VW-1
Cable Type	Passive Copper Cable
Industry Standards	DisplayPort 2.1

Packaging & In-the-Box

Included in Package	1 - 3m DisplayPort 2.1 Cable
Package Width	8.0 in [20.2 cm]
Package Depth	6.8 in [17.2 cm]
Package Height	1.5 in [38 mm]
Shipping (Package) Weight	12.5 oz [354 g]

Connector(s)

Connector 1 (Quantity)	1
Connector 1	DisplayPort
Connector 2 (Quantity)	1
Connector 2	DisplayPort

****Product appearance and specifications are subject to change without notice.***