

USB-C Full-Function Active Cable (M/M) with Repeater - USB 3.2 Gen 2 (10 Gbps), 8K 60 Hz, 60W PD Charging, 5 m (16.4 ft.), Black

MODEL NUMBER: U420-05M-G2



USB-C cable supports 8K video, 10 Gbps data transfer speeds and 60W PD charging as an alternative to fiber optic cabling.

Features

Long-Distance USB-C Cable Supports High-Res Video, PD Charging and USB 3.2 Gen 2 Speeds

This full-function USB-C cable (M/M) is a flexible alternative to more expensive fiber optic cabling. Fiber cables are typically limited to either data or video, but not both. The U420-05M-G2 supports not only data and 8K/4K video, but also Power Delivery (PD) charging for the host device.

Transmits 4K and 8K Video with HDR and 4:4:4 Color

The U420-05M-G2 supports Ultra HD 8K resolutions up to 7680 x 4320 at 60 Hz and 4K resolutions up to 3840 x 2160 at 144 Hz. It supports HDR (High Dynamic Range), providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 8K display. HDCP 2.2 encryption allows you to stream 8K content with no loss in resolution. This cable also supports uncompressed 4:4:4 chroma subsampling for top-level PC gaming or for using your HDTV as a PC monitor.

Transfers Data and Charges Devices at Lightning-Fast Speeds

The full-function U420-05M-G2 connects your smartphone, tablet, MacBook Pro, Windows laptop or other USB-C device to the USB-C port on a computer, docking station or wall charger. It supports USB 3.2 Gen 2 data transfer rates up to 10 Gbps, which is twice as fast as USB 3.2 Gen 1. It also provides power output up to 20V 3A (60W), which is sufficient for charging and powering most host devices. The plug-and-play cable is compatible with Thunderbolt 3 and Thunderbolt 4 devices, as well as USB-C.

Specifications

OVERVIEW	
UPC Code	037332290748
Technology	Thunderbolt; USB 3.x
Cable Type	Active

Highlights

- Supports USB 3.2 Gen 2 speeds up to 10 Gbps to ensure lightning-fast data transfers
- Provides 60W power output for charging, syncing and powering the host device
- Supports 8K @ 60 Hz or 4K @ 144 Hz for high-resolution gaming or video editing
- Compatible with all USB-C, Thunderbolt 3 and Thunderbolt 4 computer ports
- Plug-and-play operation: no software required means easy, immediate installation

System Requirements

- Host device with USB-C, Thunderbolt 3 or Thunderbolt 4 port (USB 3.2 Gen 2 compatibility required to achieve USB 3.2 Gen 2 speeds)
- Host device must support DisplayPort Alt Mode 1.4
- Display must support video resolutions up to 8K @ 60 Hz or 4K @ 144 Hz
- Host device and charger must support PD charging up to 20V 3A (60W)

Package Includes

U420-05M-G2 USB-C Full-Function Active Cable, M/M, 5 m (16.4 ft.)



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VIDEO	
Number of Monitors Supported	1
Supported Resolutions	3840x4320 (4K); 7680x2160 (8K)
Max Supported Video Resolution	7680 x 4320 (8K) @ 60 Hz
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:2:0; 4:2:2; 4:4:4
EDID Support	Yes
DisplayPort Alt Mode	Yes
DSC Support	Yes
POWER	
USB Power Delivery (PD) Charging Support	Yes
USB Power Delivery (PD) Charging Specification	60W
CONNECTIONS	
Side A - Connector 1	USB C (MALE)
Side B - Connector 1	USB C (MALE)
Connector Plating	Nickel
Contact Plating	Nickel
Connector Style	Straight
CHARGING	
Total Charging Amps	3A
Total Charging Watts	60
Compatible Devices	Laptop; Smartphone; Tablet
PHYSICAL	
Color	Black
Material of Construction	PVC
Cable Jacket Color	Black
Cable Jacket Material	PVC
Cable Jacket Rating	VW-1
Cable Outer Diameter (OD)	6.2mm
Cable Length (ft.)	16.4
Cable Length (m)	5.00



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Cable Length (in.)	196
Cable Length (cm)	500
Shipping Dimensions (hwd / in.)	9.00 x 7.00 x 0.50
Shipping Dimensions (hwd / cm)	22.86 x 17.78 x 1.27
Shipping Weight (lbs.)	0.66
Shipping Weight (kg)	0.30
Unit Dimensions (hwd / in.)	9.000 x 7.000 x 0.500
Unit Packaging Type	Polybag
ENVIRONMENTAL	
Operating Temperature Range	14° to 113°F (-10° to 45°C)
Storage Temperature Range	14° to 158°F (-10° to 70°C)
Relative Humidity	5% to 90% RH, Non-Condensing
Power Provided to Connected Device(s)	60W (20V/3A)
FEATURES & SPECIFICATIONS	
USB Specification	USB 3.2 Gen 2 (Up to 10 Gbps)
Data Transfer Rate	10 Gbps
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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