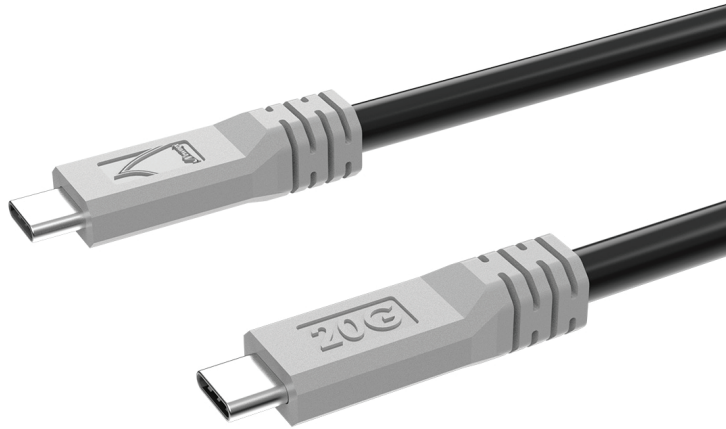


## FireNEX™-uLINK-20G

# Active 20Gbps USB4 Cable, 6 m (20 ft)

USB4 20Gbps, Thunderbolt Compatible, 4K Display, 60W PD



## OVERVIEW

[FireNEX™-uLINK-20G](#) is a 6-meter (20 ft.) active USB-C cable engineered with advanced repeater technology to deliver reliable, high-performance USB4 connectivity over extended distances. It supports data transfer rates up to 20Gbps, DisplayPort 2.0 video output (UHBR10), and USB Power Delivery (PD) up to 60W—all through a single cable.

Designed for seamless extension of USB-C and Thunderbolt™ connections, FireNEX™-uLINK-20G enables stable, long-distance links between host systems and high-performance peripherals such as high-resolution displays, multimedia docking stations, and external storage devices.

## PRODUCT P/N

<b>PN</b>	ULK20GLCC-6M
<b>Length</b>	6 m (20 ft)
<b>Configuration</b>	C/M to C/M

## FEATURES

- Actively extends high-performance USB-C connection up to 6 meters (20 ft)
- Bidirectional USB4 / Thunderbolt™ data transfer up to 20Gbps
- Backward compatible with USB 3.2 Gen 2 data rates up to 10Gbps
- DisplayPort 2.0 video output support up to UHBR10
- Compatible with DisplayPort 1.4 and 1.2
- Automatic switching between 4-lane and 2-lane DisplayPort modes
- USB Power Delivery 3.0 support up to 60W (20V / 3A), bidirectional power flow
- Plug-and-play operation with no drivers required for Windows®, macOS®, and Linux®

# SPECIFICATIONS

## USB

USB4	USB4 Gen 2x2 up to 20Gbps
USB 3.2 Gen 2	USB 3.2 Gen 2x2 up to 20Gbps USB 3.2 Gen 2x1 up to 10Gbps
USB 3.2 Gen 1	USB 3.2 Gen 1x1 up to 5Gbps (a.k.a. USB 3.1 Gen 1, USB 3.0)
USB 2.0/1.1	Up to 480Mbps

## Thunderbolt

Thunderbolt 5 / 4 / 3	Compatible up to 20Gbps
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## Display

Single Display	8K @ 60Hz (with DSC) 4K @ 144Hz (uncompressed)
Dual Display	2x 8K @ 60Hz (with DSC) 2x 4K @ 60Hz (uncompressed)

## Power

USB Power Delivery	USB PD 3.0 (via bus w/o additional power) both host to device & device to host
USB PD Profile	20 / 15 / 9 / 5V
Current	Up to 3A

## Mechanical

Cable Diameter	6.4 +/- 0.2 mm (0.25 in)
Cable Jacket	TPE, Black
USB Connector	USB-C, Male, White

## Environmental

Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	20% to 80% relative humidity, non-condensing

## Compliance and Compatibility

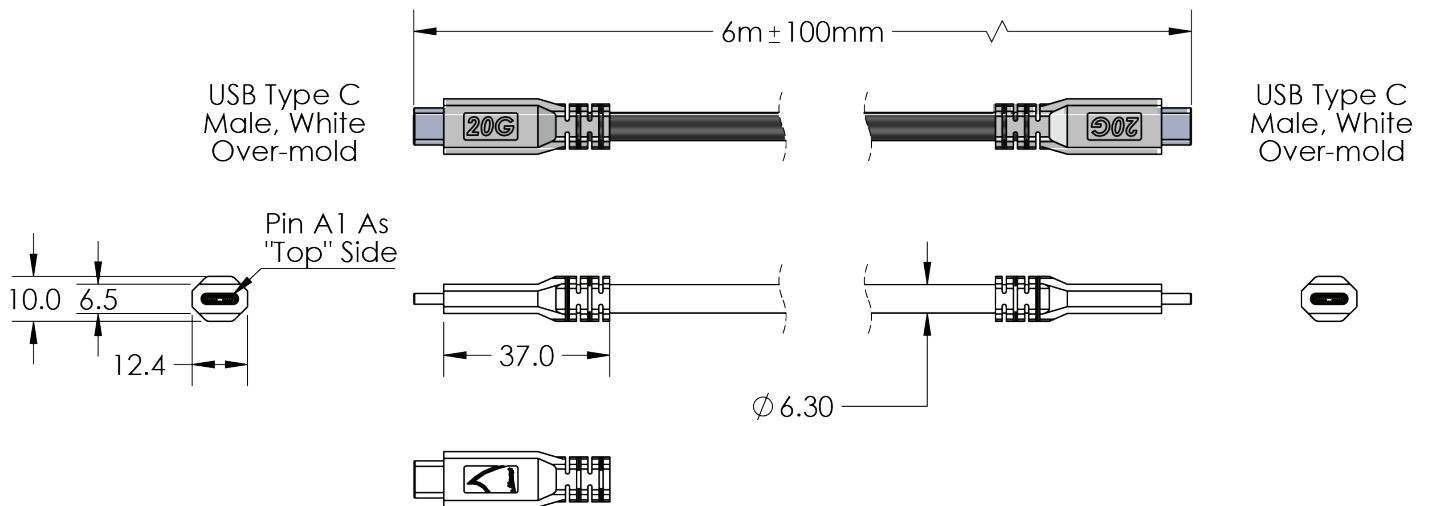
Environmental	RoHS
Flammability	VW-1

## Support

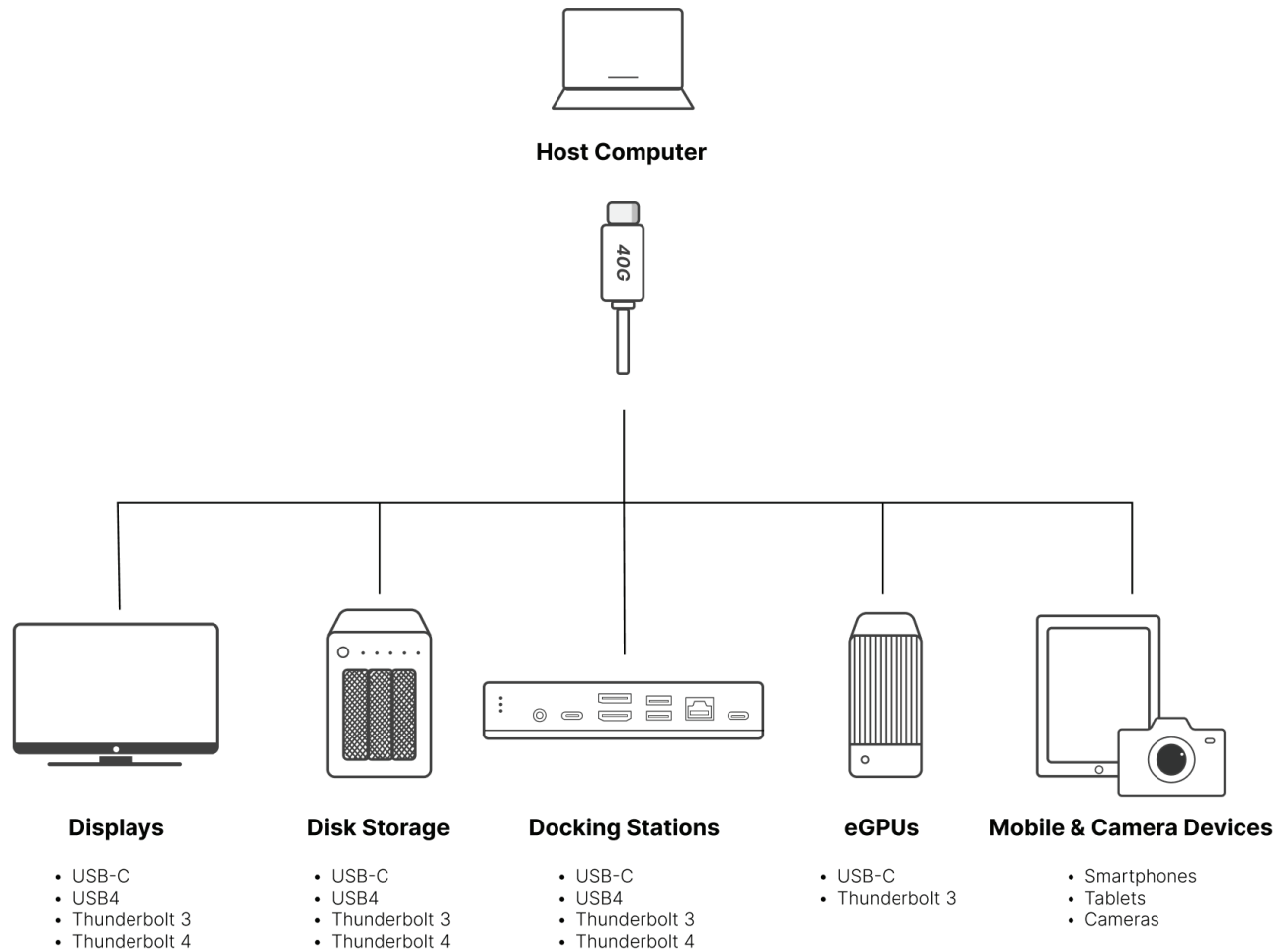
Warranty	1-year manufacturer warranty
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# DIMENSIONAL DRAWING

units: mm  
unless otherwise noted



# APPLICATION DIAGRAM



## ORDERING INFORMATION

Click [here](#) to learn more or order the FireNEX™-uLINK-20G.

For additional information, general inquiries, or technical support, please visit [www.newnex.com](http://www.newnex.com).

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