

USB-C

COMPARISON CHART

In order to help users navigate their way around the different cables available today, we have created the '5-star' criteria system to rate and classify cables in line with the 5 most crucial operational aspects. On this page, you can find a short explanation of these criteria as well as what the corresponding star levels mean for each, and further on you can find our Comparison Chart including a wide range of cables and how they performed during our tests against these 5 criteria.

5 Criteria – 5 Stars



4K 60FPS Video and Audio
4-Lane DisplayPort
Alt mode



Mouse, Keyboard, Speakerphone, Thumb Drive and Webcam
USB 2.0 480 Mbps
"High Speed"







4K Webcam, SSD storage
USB 3 Gen1 5 Gbps
"SuperSpeed"



Fast Charging of Laptops, Tablets and Phones
60W / 3 A charging
and eMarker



Convenient to use and to install
Connector dimensions
according to standard; No bulky
repeaters along the cable

Star Level	4K 60FPS Video and Audio	Mouse, Keyboard, Speakerphone, Thumb Drive and Webcam	4K Webcam, SSD storage	Fast Charging of Laptops, Tablets and Phones	Convenient to use and to install
	<ul style="list-style-type: none"> Up to 4K60 (4-Lane DP) 	<ul style="list-style-type: none"> Stable with all host 	<ul style="list-style-type: none"> Stable with all hosts All wires are present 	<ul style="list-style-type: none"> At least 60 W PD support AND Proper eMarker 	<ul style="list-style-type: none"> Convenient to use and to install (No design flaws)
	<ul style="list-style-type: none"> Up to 4K30 (2-Lane DP) 	<ul style="list-style-type: none"> Unstable with some hosts 	<ul style="list-style-type: none"> Unstable with some hosts 	<ul style="list-style-type: none"> PD supports less than 60W OR Missing eMarker 	<ul style="list-style-type: none"> At least one design flaw
	<ul style="list-style-type: none">  No support 	<ul style="list-style-type: none"> No support Missing wires 	<ul style="list-style-type: none"> No support Missing wires 	<ul style="list-style-type: none"> No PD support No eMarker 	<ul style="list-style-type: none"> Multiple design flaws



Recommended Cables for Taurus UCX Products

(USB-C to USB-C)

Most Important

Least Important

		Length	Category	4K60 Video	USB 2.0	USB 3.	Charging + eMarker	Convenience	Comments	Rating
Recommended for Taurus UCX	Lightware CAB-USBC-100A/200A/300A	1 m / 2 m / 3 m	Copper	★	★	★	★	★		★★★★★
	Lightware CAB-USBC-T400B/500B	4 m / 5 m	Copper (MicroCoax)	★	★	★	★	★		★★★★★
	Atlona AT-LC-UC2UC-2M	2 m	Copper	★	★	★	★	★		★★★★★
	Freerport 26-715-06 (Extron)	1.8 m	Copper	★	★	★	★	★		★★★★★
	Delock 83668	2 m	Copper	★	★	★	★	★	Rigid cable	★★★★★
	TTL-Taiwan 20105	2 m	Copper	★	★	★	★	★	eMarker chip cannot be read; bigger cable head	★★★★★
At your own risk	Bizlink KSC001R-16X	4 m	Active Copper	★	★	★	★	★	Only 4K30 video (2-lane DP Alt mode) supported	★★★★★
	Extron USBC Pro/30	9,1m	Active optical	★	★	★	★	★	Only 4K30 video (2-lane DP Alt mode) supported; 2 Tier added at the USB2.0 topology, not recommended for complex USB systems	★★★★★
	Tether Tools CUC15	4,6 m	Copper	★	★	★	★	★	USB2.0 and USB3 lines does not work with some tested laptops*; only 30W charging power supported	★★★★★
	M-CAB 2200046	3 m	Copper	★	★	★	★	★	USB2.0 and USB3 lines does not work with some tested laptops*; Missing E-marker	★★★★★
	Freerport KFCB201208	4,5 m	Copper	★	★	★	★	★	USB2.0 and USB3 lines does not work with some tested laptops*; only 30W charging power supported	★★★★★
	Newnex U4SLC01C01-050	5 m	Copper	★	★	★	★	★	USB2.0 and USB3 lines does not work with some tested laptops*; Missing E-marker	★★★★★
	Cosemi 175USH31CCMM015M001	15 m	Active Optical	★	★	★	★	★	DP Alt mode only (no USB3 data); only 30W charging power supported	★★★★★

*tested hosts: Lenovo ThinkPad X280 Laptop; Dell G5 5587 Laptop.

These results were experienced with Lightware Taurus UCX product, your experience may vary.



Recommended Cables for Taurus UCX Products

(USB-C to USB-C)

Most Important

Least Important

	Length	Category	4K60 Video	USB 2.0	USB 3.	Charging + eMarker	Convenience	Comments	Rating
Not recommended for Taurus UCX	iiglo II-USBAMUSBC30-B300	Copper	★	★	★	★	★	USB3 lines does not work with some tested laptops*; only 30W charging power supported; Failed Total phase "Eye pattern" instrument test	★★★★★
	Club3D CAC-1535	Active Copper	★	★	★	★	★	4 lane DP Alt mode only (no USB3 and no USB2.0 data)	★★★★★
	Cable Matters 201034-BLK-5m	Active Copper	★	★	★	★	★	USB2.0 and USB3 lines does not work with some tested laptops*; only 30W charging power supported; Amplifier in the middle	★★★
	Newnex ULK10G-CC-8M	Active Copper	★	★	★	★	★	USB2.0 and USB3 lines does not work with some tested laptops*; only 30W charging power supported; Repeater in the middle, and quite rigid	★★★
	HP 9JH45AA	Active Copper	★	★	★	★	★	4 lane DP Alt mode only (no USB3 data); USB2.0 lines does not work with some tested laptops*; only 30W charging power supported	★★★
	SmartAVLink SCVC-3100-20	Active Optical	★	★	★	★	★	4 lane DP Alt mode only (no USB3 and no USB2.0 data); No charging power	★
	Club3D CAC-1589	Active Optical	★	★	★	★	★	4 lane DP Alt mode only (no USB3 and no USB2.0 data); No charging power	★
No Video with Taurus UCX	Apple Thunderbolt 4 Pro Cable	Active copper	★	★	★	★	★	No DP Alt mode supported, therefore video and audio signals won't be transmitted for Taurus UCX	★★★★★
	SmartAVLink KUCC-3100-020	Copper	★	★	★	★	★	No Video and Audio due to missing SuperSpeed wires; only 30W charging power supported	★★★★★
	Apple USB-C charge cable	Copper	★	★	★	★	★	No USB3 lines for video; For charging only	★★★★
	Lanberg CA-CMCM-31CU-0030-BK	Copper	★	★	★	★	★	No USB3 lines for video; only 15W charging power supported; USB2.0 lines does not work with some tested laptops*	★★★

↳ Cables that don't support video transmission are **not** 'host cables' by Lightware's definition!

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