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
★ (green)	▪ Up to 4K60 (4-Lane DP)	▪ Stable with all host	▪ Stable with all hosts ▪ All wires are present	▪ At least 60 W PD support **AND** ▪ Proper eMarker	▪ Convenient to use and to install (No design flaws)
½★ (orange)	▪ Up to 4K30 (2-Lane DP)	▪ Unstable with some hosts	▪ Unstable with some hosts	▪ PD supports less than 60W **OR** ▪ Missing eMarker	▪ At least one design flaw
☆ (red)	⚠ ▪ No support	▪ No support ▪ Missing wires	▪ No support ▪ Missing wires	▪ No PD support ▪ No eMarker	▪ Multiple design flaws

Recommended Cables for Taurus UCX Products
(USB-C to USB-C)

Most Important ———————————————→ Least Important

	Product	Length	Category	4K60 Video	USB 2.0	USB 3.	Charging + eMarker	Convenience	Problems	Rating
Recommended	**Lightware** CAB-USBC-100/200/300A	1 m / 2 m / 3 m	Copper	★	★	★	★	★		★★★★★
	Lightware CAB-USBC-T400/500B	4 m / 5 m	Copper (MicroCoax)	★	★	★	★	★		★★★★★
	Freeport 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	⯪	★	★	★	⯪	4K60 video (4-lane DP Alt mode) not supported	★★★★
	Tether Tools CUC15	4,6 m	Copper	★	⯪	★	☆	★	Powering @60W not recommended; USB 2.0 is weak with certain hosts	★★★★⯪
	M-CAB 2200046	3 m	Copper	★	⯪	⯪	⯪	⯪	USB 2.0 and USB 3 lines do not work with certain hosts*; Missing E-marker	★★★
	Freeport KFCB201208	4,5 m	Copper	★	⯪	⯪	⯪	⯪	USB 2.0 and USB 3 lines do not work with certain hosts*; only 30W charging power	★★★
	Newnex U4SLC01C01-050	5 m	Copper	★	⯪	⯪	⯪	⯪		★★★
	Cosemi 175USH31CCMM015M001	15 m	Active Optical	★	★	☆	⯪	☆	DP Alt mode only (no USB data)	★★⯪
	Cable Matters 201034-BLK-5m	5 m	Active Copper	⯪	⯪	⯪	⯪	☆	USB 2.0 lines do not work with certain hosts*; Amplifier in the middle	★★
	Newnex ULK10G-CC-8M	8 m	Active Copper	⯪	⯪	⯪	⯪	☆	2-Lane DP only	★★

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

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	Problems	Rating
Not recommended	**Club3D** CAC-1535	5 m	Active Copper	★	☆	☆	★	⯨	DP Alt mode and power only	★★½
	HP 9JH45AA	5 m	Active Copper	★	⯨	☆	☆	⯨	DP Alt mode only (no USB data); USB 2.0 lines do not work with certain hosts*	★★
	SmartAVLink SCVC-3100-20	20 m	Active Optical	★	☆	☆	☆	☆	DP Alt mode only (no USB data)	★
	Club3D CAC-1589	20 m	Active Optical	★	☆	☆	☆	☆	DP Alt mode only (no USB data)	★
No video	**SmartAVLink** KUCC-3100-020	2 m	Copper	☆	★	★	⯨	★	No Video and Audio due to missing SuperSpeed wires; Only 30W charging power supported	★★★★½
	Apple USB-C charge cable	1 m / 2m	Copper	☆	★	☆	★	★	No USB3 lines; For charging only	★★★
	Lanberg CA-CMCM-31CU-0030-BK	3m	Copper	☆	⯨	⯨	⯨	⯨		★★

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

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