USB Cables

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Description

The major benefits of the USB4 includes faster transfer speeds (up to 40 Gbit/s), a better management of video bandwidth (using a process called "protocol tunneling" that sends DisplayPort, PCIe and USB packets at the same time while allocating bandwidth accordingly) and optional compatibility with Thunderbolt 3 products.
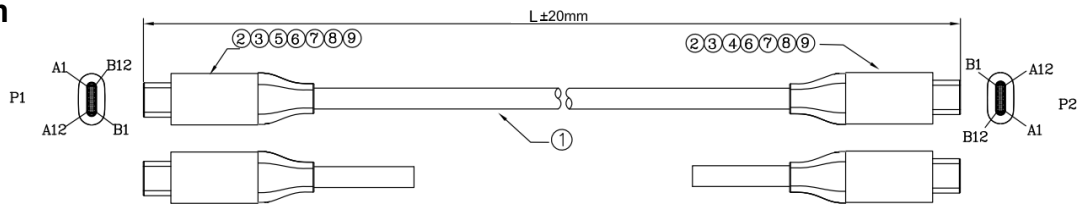
Features

- High quality USB4 Gen 3 cable with improved shielding
- With the reversible Type C connectors at both ends
- Gold-plated contacts for low wear at high plugging cycles
- Suitable for data transfer rates of up to 40 Gbit/s
- Supports USB Power Delivery to 20V / 5A
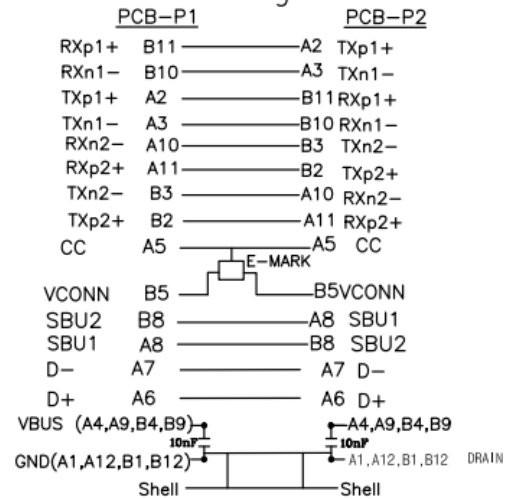
Specifications

Product type	USB 4 Cable
Colour	Black
Length	0.5m
Transfer quality	USB4 Gen3 40 Gbit/s
Connection ports	USB Type C (USB-C) Male / USB Type C (USB-C) Male
Side 1 connector	USB Type C (USB-C)
Side 1 Connector Gender	Male
Side 2 Connector Type	USB Type C (USB-C)
Side 2 Connector Gender	Male
Cable shielding	Screened
Hand locking screws	No
Weight	30g / 44g
Height of packaging (single piece)	10mm
Width of packaging (single piece)	100mm
Depth of packaging (single piece)	100mm
Package weight (single piece)	0.01kg / 0.005kg

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

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Diagram

L±20mm

② ③ ⑤ ⑥ ⑦ ⑧ ⑨   ② ③ ④ ⑥ ⑦ ⑧ ⑨

A1 B12
P1
A12 B1

B1 A12
P2
B12 A1

①

Dimensions : Millimetres

Pin Assignment

	PCB−P1		PCB−P2	
RXp1+	B11	————	A2	TXp1+
RXn1−	B10	————	A3	TXn1−
TXp1+	A2	————	B11	RXp1+
TXn1−	A3	————	B10	RXn1−
RXn2−	A10	————	B3	TXn2−
RXp2+	A11	————	B2	TXp2+
TXn2−	B3	————	A10	RXn2−
TXp2+	B2	————	A11	RXp2+
CC	A5		A5	CC
		E−MARK		
VCONN	B5		B5	VCONN
SBU2	B8	————	A8	SBU1
SBU1	A8	————	B8	SBU2
D−	A7	————	A7	D−
D+	A6	————	A6	D+

VBUS (A4,A9,B4,B9)   A4,A9,B4,B9

10nF   10nF

GND(A1,A12,B1,B12)   A1,A12,B1,B12   DRAIN

Shell ————————— Shell

Note
1. 100% Test (Open, Short and Miss Wire);
2. Conductor Resistance: 3Ω (Max);
3. 40Gbps: 5A;

No	Specification Description	Q'ty	Unit
1	[30AWG(7/0.10SC)+S(48/0.05TC)+CU+M]×8COAX+[34AWG(7/0.06TC)+S(28/0.05TC)+CU+M]×2COX +23AWG(41/0.10TC)×1C+34AWG(19/0.04TC)×1C+[34AWG(19/0.04TC)+150Dnylon+A]×3C+A2E2S- OD:5.0MM-TPE-Black	0.5	M
2	USB Type-C Coax Clip 1-PA66+15%GF-Black-30+34+23+34AWG	2	pcs
3	USB Type-C Coax Clip 2-PA66+15%GF-Black-30+34+23+34AWG	2	pcs
4	USB4 Type C PCBA-PCB	2	pcs
5	USB4 Type C PCBA with E-Mark-PCB	2	pcs
6	USB4 Type C-Coax-Shell 1-23.95×9.7-(OD5.0-5.4)-50-80u"	2	pcs
7	USB4 Type C-Coax-Shell 2-23.86×10.15	2	pcs
8	TPE-45P (87A+/-3A) Black	8	g
9	Type-c Shell-21×12.3×6.4mm-Black-PC 65%+*ABS 35% 2950	2	pcs

Part Number Table

Description	Part Number
USB Cable, USB4, Type C to Type C Plug, 40Gbit/s, Black, 0.5m	MP010448
USB Cable, USB4, Type C to Type C Plug, 40Gbit/s, Black, 0.8m	MP010449

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