

USB 3.1 Type-C Male to USB 3.1 Type-C Male cord

Cat. No(s): 0 398 63, 0 514 10, 0 909 88



1. USE

Connect any two USB-C or Thunderbolt™ 3 enabled devices like a tablet, smart phone, or laptop.

2. FEATURES

- Supports all USB 3.1 (Gen2) including data transfer rate up to 10Gbps
- Backwards compatible with USB 3.0, 2.0, and 1.1
- Supports all Alt mode features outputting full DisplayPort including multi-streaming
- Deliver up to 60watts of power to or from a connected source
- Gold flashed laser welded contacts
- USB-IF Certified

3. DESCRIPTION

This one cable offers high speed data transfer, 4K video support, high bit depth audio, and power delivery. Get more done with less hassle by carrying one cable to complete nearly any task.

Deliver up to 10Gbps to or from a USB 3.1 (Gen2) enabled port. Whether uploading or downloading data this cable is an ideal solution to transfer large amounts of information, such as high resolution photos for editing or storage, 3D models for video game authoring, or HD video for editing

Stream video and audio with full DisplayPort 2.1 and Alt mode functionality, displaying up to 4K video with amazing contrast and colour depth to see photos, videos, and text with unbelievable detail. 4-channel audio with microphone support ensures crisp lifelike audio delivery.

Ensure that a USB-C equipped laptop, smartphone, or tablet is fully charged and ready to go while displaying video content, transferring files, or streaming audio. Deliver up to 60W of charging power to or from the connected device with smart power delivery. The USB-C cable offers a light-weight, portable, and simple way to deliver video, data, and stay charged up.

The USB-C connector has a robust design, allowing for the connector to be plugged in and un-plugged up to 10,000 times. The sturdy construction ensures that the product provides peace of mind and is built to stand up to the rigors the most demanding on-the-go life. The USB-C connector has a symmetrical design which is identical on both sides, so it does not matter if you plug it in upside-down or right-side-up. It will plug in the first time, every time while preventing damage to the connector port.

4. ELECTRICAL CHARACTERISTICS

USB Specification	USB 3.1 (Gen 2)
Pair Attenuation:	≥ -1.02dB at 50MHz, -1.43 dB at 100MHz, -2.40 dB at 200MHz, -4.35 dB at 400MHz
Pair Differential Impedance:	75 - 105[OHM]
Propagation Delay	2 0ns max
Skew	100ps max
Fitted Insertion Loss (ILfitatNq)	≥ -4dB at 2.5GHz, -6dB at 5GHz, -11dB at 10GHz
Voltage Drop	250mV for GND and 500mV VBUS
Conductor Resistance	378[OHM]/km at 20[D]C Max 30AWG
Insulation Resistance	10m-km min at 20[D]C DC 500V (EIA-364-21)
Dielectric Strength	AC 500V/1 minute no breakdown (EIA-364-20)

5. PHYSICAL CHARACTERISTICS

Operating Temperature	0°C to 50°C, 15-85% RH (Non-condensing)
Storage Temperature	-25°C to 70°C, 15-85% RH (Non-condensing)
15-85% RH (Non-condensing)	Braid (16/11/0.08 Tinned Copper)
Jacket	5.2±0.15mm – Black
Approvals	CE, RoHS2, USB-IF
Housing materials	Plastic
Housing dimensions (LxWxH)	27±.01 x 6.5 x 6.4±.01mm
Cable length	1000mm ± 20mm
Weight	0.121 lbs (54.88 g)

CONDUCTOR (4 pairs)	
Conductor 1 – 4 Pair	30AWG (7/0.10 Bare Copper) Drain (19/0.06 Tinned Copper) Shield (Aluminium Foil)
Conductor 2 – 1 Pair	32AWG (7/0.08 Bare Copper) Drain (7/0.08 Tinned Copper) Shield (Aluminium Foil)
Conductor 3 – 2 Conductors	26AWG (19/0.1 Bare Copper)
Conductor 4 – 4 Conductors	34AWG (7/0.006 bare Copper)

CONNECTOR TYPE (x2)	
Connector	USB-C Male 3.1 (gen 2) Contacts (Gold Flashed) Shell (Nickel Plated)

6. DIMENSIONS

Cat. Nos	Length (m)
0 398 74, 0 514 10, 0 909 88	1

