



A typical USB Extension cable configuration.

Specifications

Cable Lengths — USBR01-0008: 8 feet (2.4 m); USBR01-0016: 16 feet (4.9 m)

Maximum Supply Current Drawn — 5 mA (max. @ 40°C); Typical current less than 3 mA

Maximum Cable Voltage Drop — 0.095 volts @ 500 mA

VBUS and GND Wire Size — 20 AWG

D+ & D- Wire Size — 28 AWG stranded twisted pair; 90-ohm characteristic impedance

Cable Shield — Aluminized wrap foil with 28 AWG drain wire and copper mesh over foil (UL® approved)

High-Speed Mode — 12 Mbps (when used with high-speed peripheral)

Low-Speed Mode — 1.5 Mbps (when used with low-speed peripheral)

Operating Temperature — 32 to 105°F (0 to 40°C)

Storage Temperature — -20 to +185°F (-40 to +85°C)

USB Transceiver Specification — Meets USB specifications

Connectors — Type A female (downstream connector) and Type A male (upstream connector)

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USB Extension Cable

8 or 16 Feet Type A to Type A

Description

With the USB Extension Cable, you can extend the cabling to a USB device by up to an additional 40 or 80 ft. (12.2 or 24.4 m—see Note) by serially connecting 8- or 16-ft. cables. The USB Extension Cable acts as a transparent USB hub and buffers all downstream and upstream data traffic. Both Low-Speed and High-Speed devices will function equally well with the USB Extension Cable.

NOTE

Although it is possible to use multiple USB Extension Cables in a row (up to 5, since each cable replaces a series Hub), you should verify that adding the cables does not affect the operation of the USB device.

The USB Extension Cable is not a passive extension cable; it's an active device. The USB signals going in and out of the extension cable are buffered to assure signal quality and the meeting of the USB's Electrical and Timing Specifications. Using passive cables as extension cables will result in signaling errors, so it is not recommended.

Features

- Extends the cable length of a USB device by an additional 8 or 16 ft. (2.4 or 4.9 m).
- Connect up to 5 cables in a series.
- 100% compatible with the USB Electrical and Timing specs for USB hubs.
- Patent-pending ASIC inside each cable repeats signals.

Turn this page over for cable specifications.

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INFORMATION**

Order **toll-free** in the U.S. 24 hours, 7 A.M. Monday to midnight Friday: **877-877-BBOX**
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