



USB 3.2 Gen 2 Type-A Active Optical Extension Cable

AOC USB-A Male to USB-A Female, 50 m (164 ft.), CMP/CPR-rated, SuperSpeed+ USB, 10 Gbps, Black

Part No.: [356411](#)

EAN-13: 0766623356411 | UPC: 766623356411

USB Extension Cable as Active Optical Cable (AOC) - go beyond the length limit of standard USB cables with 10 Gbps data transfer speeds over extra-long distances

Standard USB 3.0 cables have a length limit of 3 m (10 ft.), which is as far as passive USB cables will carry the signal. The Manhattan USB 3.2 Gen 2 Type-A Active Optical Extension Cable lets you overcome that classic limitation to connect a USB device, like a USB printer or a USB surveillance webcam, at further distances. With one USB-A male connector and one USB-A female connector, this USB extension cord makes it easier to reach a port or add length to a shorter cable.

Active optical technology for full 10G without signal loss

AOC technology offers several advantages over standard USB cables. Its smaller cable diameter ensures greater flexibility and maneuverability during installation into tight spaces. This USB-A AOC cable from Manhattan provides the maximum data throughput without any limitations, even over the extended range this cable provides, so you can sync music, photos or data with fast speeds up to 10 Gbps the whole way. Use the optional DC power cord (included) to connect an external 5 V / 1 A power supply for USB peripherals

that need more power. The triple shielding (aluminum foil and braid) and corrosion-resistant contacts provide maximum signal integrity.

Features:

- USB-A male to USB-A female to extend port access for easier device management or add length to a shorter cable
- USB 3.2 Gen 2 compliant, supporting SuperSpeed+ transfer rates up to 10 Gbps
- Fiber and copper-wire hybrid for a thinner cable, ideal for in-wall installations and narrow spaces
- CMP/CPR (plenum) rated
- Foil, braid and fiber triple shielding to reduce EMI and other interference sources
- Aramid fiber components for maximum strength and heat resistance
- Corrosion-resistant contacts
- Heavy-duty strain relief
- Supports current up to 900 mA (4.5 W / 5 V)
- Plug-and-play installation; Windows®, macOS®, Linux® and Chrome OS™ compatible
- Bus powered; optional DC socket to connect an external power cable (included) for USB peripherals with higher power requirements
- Works with standard USB 3.0 cables; backward compatible with USB 2.0
- Three-year warranty

Specifications:

Standards and Certifications

- CE
- FCC
- RoHS
- REACH
- UKCA

General

- One USB-A 9-pin male
- One USB-A 9-pin female
- 20 AWG
- Triple shielding: aluminum foil, braid and aramid fiber
- Fiber: OM3
- Molded PVC boot with strain relief
- Die-cast zinc alloy connector material
- Jacket OD: 4.8 mm (0.19 in.)
- Bend radius: 20 mm (0.79 in.)

For more information on Manhattan products, consult your local dealer or visit www.manhattan-products.com.

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- Retention strength connector: 18 kg (180 N)
- Retention strength cable: 25 kg (250 N)
- Plenum rating: CMP/CPR (includes CL2 and CL3)
- Length: 50 m (164 ft.)
- Length DC socket cable: 10 cm (4 in.)
- Net weight: 1.76 g (3.88 lbs.)
- Gross weight: 1.86 kg (4.1 lbs.)

Electrical

- Withstanding voltage: 300.0 V DC 10 ms
- Insulation resistance: 5 MOhm
- Contact resistance: 2 Ohm
- Supported current: 0.9 A
- Input for optional DC power supply: 5.0 V DC, 1.0 A

Operating Environment

- Operation temperature: -10 - 50°C (14 - 122°F)
- Storage temperature: -20 - 60°C (-4 - 140°F)
- Humidity (noncondensing): 10 - 85%

Package Contents

- USB 3.2 Gen 2 Type-A Active Optical Extension Cable (USB A Male to Female)
- Power cable, 10 cm (4 in.), 5.0 V DC, 1.0 A

This product is part of a group; the complete list of variations follows:

- #356497 - USB 3.2 Gen 2 AOC Extension Cable, A-Male/A-Female, 10 m (33 ft.)
- #356398 - USB 3.2 Gen 2 AOC Extension Cable, A-Male/A-Female, 20 m (65 ft.)
- #356404 - USB 3.2 Gen 2 AOC Extension Cable, A-Male/A-Female, 30 m (98 ft.)
- #356411 - USB 3.2 Gen 2 AOC Extension Cable, A-Male/A-Female, 50 m (164 ft.)

