



USB 3.0 Type-A to Type-C Active Optical Cable, 20 m

AOC USB-A Male to USB-C Male, SuperSpeed USB (USB 3.2 Gen 1), 5 Gbps, Plenum-rated, Triple Shielding, Black

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20 m USB-A to USB-C AOC Cable with 5 Gbps for AV and Long-Distance Connections

The Manhattan USB 3.0 Type-A to Type-C Active Optical Cable (AOC) delivers fast, reliable connections across impressive distances - up to 20 meters. Designed for professional environments where signal quality and safety matter, it combines the power of fiber optics with the flexibility of copper conductors to ensure flawless data transfer and device communication.

SuperSpeed Performance with Broad Compatibility

Fully compliant with USB 3.2 Gen 1 standards (formerly USB 3.0), this hybrid cable supports data transfer speeds up to 5 Gbps and charging up to 4.5 W (5 V / 0.9 A). It connects any USB Type-A device to a USB-C port, providing broad compatibility with computers, docking stations, cameras, interactive displays, and more. Its plug-and-play design works seamlessly with Windows®, macOS®, Chrome OS™, and Linux® - no drivers or configuration required.

Built for Demanding Long-Range Installations

The cable's slim, lightweight optical design makes it ideal for in-wall routing and tight spaces, while its plenum-rated jacket ensures compliance with international fire and low-smoke safety standards. Whether used in digital signage systems, conference rooms, classrooms, or smart board setups, it's engineered for safe, professional-grade installations.

Exceptional Signal Integrity and Durability

Triple shielding with polyethylene, aramid fiber, and aluminum protects the internal copper conductors against interference and physical stress. The optical design is highly resistant to EMI and RFI, ensuring clean, uninterrupted data transmission even in electrically noisy environments. Gold-plated contacts and heavy-duty strain relief further enhance durability and long-term reliability.

Smart Design, Effortless Setup

Active amplifier circuitry is built into the connectors, maintaining signal strength across the entire 20-meter length without external power. Fully bus-powered and plug-and-play, this cable offers a simple, elegant solution for extending USB connections in modern workspaces, educational environments, and AV installations.

Features:

- USB-A male to USB-C male for connecting a Type-A device to a Type-C port over longer distances without signal loss
- USB 3.2 Gen 1 (formerly USB 3.0) compliant with SuperSpeed transfer rates up to 5 Gbps and power supply up to 4.5 W (5 V / 0.9 A)
- Fiber and copper-wire hybrid for a thinner cable with sleek USB-C connector, ideal for in-wall installations and narrow spaces
- Ideal for digital signage, video conferencing webcams, educational smart boards, interactive displays, and other long-distance USB applications
- Plenum-rated for safe installations, meeting international fire safety and low-smoke standards
- Optical design highly resistant to EMI (electromagnetic) and RFI (radio frequency) interference
- Triple-shielded for maximum signal integrity and durability
- Gold-plated contacts for corrosion-free connections
- Plug-and-play installation; no configuration required

- Compatible with Windows®, macOS®, Chrome OS™, and Linux®
- Bus powered: no external power supply required
- Built-in, active amplifier circuitry
- Heavy-duty strain relief
- Backward compatible with USB 2.0
- Unidirectional design - can only connect from a USB-A host device to a USB-C device
- Three-year warranty

Specifications:

Standards and Certifications

- CE
- FCC
- Plenum-rated
- RoHS
- REACH
- UKCA

General

- One USB-C 24-pin male, gold-plated contacts
- One USB-A 9-pin male, nickel-plated contacts
- Fiber: OM3
- Triple shielding: polyethylene, aramid fiber, and aluminum
- Boot: molded PVC with strain relief
- Connector material: die-cast zinc alloy
- 28/26/20 AWG
- Minimum bend radius: 20 mm
- Jacket OD: 4.8 mm +/- 0.2 mm
- Retention strength connector: 18 kg (180 N)
- Retention strength cable: 25 kg (250 N)
- Length: 20 m
- Net weight: 750 g
- Gross weight: 830 g

Operating Environment

- Operation temperature: -10 to 50°C
- Storage temperature: -20 to 60°C
- Operating humidity (non-condensing): 10 - 85%

Package Contents

- USB 3.0 Type-A to Type-C Active Optical Cable, 20 m

