

CUSB3V1-AP

USB 3.0 Javelin™ Active Optical Plenum Cable with Regulated Power



- Data transfer rates of up to 5 Gigabits per second
- Offers fiber-optic noise immunity
- Plenum Rated
- Provides precise regulated 5v output power at the remote end @ up to 900 ma
- Supports all USB 3.0 devices on all platforms
- Thin and flexible with bend radius of 0.3 inch
- No additional power supply required

Available in lengths of 15, 30, and 50 meters, CUSB3V1-AP* cables support transparent extension of USB 3.1 Gen1 Super-Speed at data rates of up to 5 Gbps. It is also downward compatible with USB 2.0 or 1.1 devices. An additional 5 volt regulator on the receiver end will boost the power to compensate for power hungry USB cameras.

CUSB3V1-AP* cables are compatible with virtually all USB 3.0 and 3.1 Gen1 devices, and is a perfect solution for extending 4K videoconferencing cameras, video capture, docking stations, and other high-speed data communication. They also work with USB 2.0 or 1.1 devices although this feature is only available for PCs running Windows™ and needs a driver installation. Driver installation is not required for extending purely USB 3.0 devices on any platform (PC, Mac, Linux).

The cable is a light-weight hybrid of fiber and copper, and is plenum rated to ensure compliance with modern building codes. The small cable ends can be easily pulled through most conduit, and no additional power is required, making the CUSB3V1-AP* a true plug-and-play solution.

Note:

These cables are designed to extend USB 3.0/3.1 Gen1 signals on any platform.

However, they can also support USB 1.1 and 2.0 legacy devices on Windows™ systems.

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Specifications

Input:	Male USB 3.0 Type A
Output:	Female USB 3.0 Type A
Available Lengths:	15m (~50ft), 30m (~100ft) and 50m (~164ft)
USB Standards:	USB 3.0 or USB 3.1 Gen 1
Bandwidth:	5 Gbps max
Supply Voltage:	Powered from USB 5v pin Nominal: 5v (operating range: 4.7v~5.3v) Damage will occur if 5v input > 6v
Supply Current:	Nominal: 50 ma max (not including remote USB device load)
Power Consumption:	Nominal: 0.25 watts
Grade:	Plenum CMP (UL)
Color:	Black
Diameter:	5 mm (0.2 inch)
Bend Radius:	8mm (0.3 inch) minimum
Connector Pull Strength:	10 Kg (22 lbs) maximum (never pull on the connector, use a pulling sock)
Connector Housing Dimensions:	USB A Male (Host side) 1.4 inch x 0.6 inch x 0.3 inch (35.6mm x 15.3mm x 7.6 mm) Total length including USB and Strain relief: 2.3 inch (58.4mm) USB A Female (device side) 1.8 inch x 0.6 inch x 0.3 inch (45.7mm x 15.3mm x 7.6 mm) Total length including Strain relief: 2.2 inch (55.9mm)
Temperature/Humidity:	Storage: -4 to +158 °F (-20 to +70 °C) / 5% to 90%, non-condensing
Operating:	+32 to +122 °F (0 to +50 °C) / 10% to 85%, non-condensing
Regulatory EMI/EMC:	CE, RoHS CE, FCC Class A

Ordering Information

CUSB3V1-AP15	USB 3.0/3.1 Gen 1 Javelin" Active Optical Plenum Cable, 15m (~ 50ft)
CUSB3V1-AP30	USB 3.0/3.1 Gen 1 Javelin" Active Optical Plenum Cable, 30m (~ 99ft)
CUSB3V1-AP50	USB 3.0/3.1 Gen 1 Javelin" Active Optical Plenum Cable, 50m (~ 165ft)