

Product Data Sheet

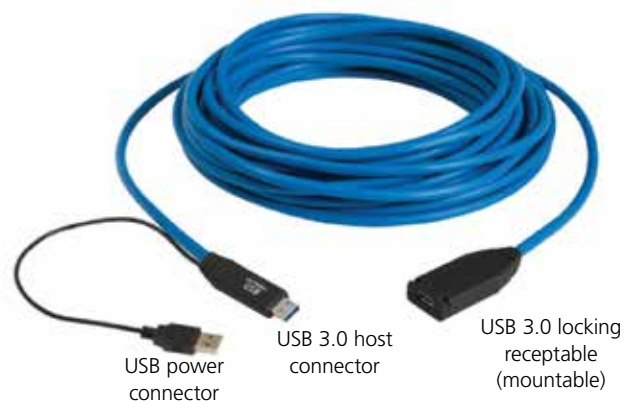
USB 3.0 Active Extension Cable

Overview

Take advantage of USB 3.0's blazing 5-Gbps speeds extended 15 meters (nearly 50 feet!) over active copper cabling. The USB 3.0 Active Extension Cable stretches the reach of USB 3.0 devices such as machine vision cameras, security cameras, and storage drives in commercial and industrial locations.

Features

- Extends a USB 3.0 connection up to 15 meters (49.21 feet).
- Supports USB 3.0 throughputs up to 5 Gbps.
- Bus-powered from host computer—no external power supply needed.
- USB 3.0 device port provides 5-V, 900-mA power.
- Use the cable's second USB power connector if your device needs additional power.
- Includes a Locking USB connector.
- Slots on device port simplify cable-tie mounting.
- Rugged grade cabling.
- A Status LED at device port indicates power, enumeration, and over-current.
- Works with AIA USB3 Vision™ compliant devices.
- Includes the ExtremeUSB® suite of features:
 - Transparent USB extension.
 - True plug and play; no software drivers required.
 - Works with all major operating systems: Windows®, Mac OS X®, and Linux®.



Applications

- Extends machine vision cameras.
- Use for post-production editing.
- Extends security cameras.
- Supports remote storage drives.

USB 3.0 Active Extension Cable (USB3ACE-15M) Data Sheet

Specifications

Range	15 meters (49.21 feet) over active copper cable
Speed	USB 3.0: Up to 5 Gbps <i>NOTE: The USB3ACE-15M is not backward-compatible with USB 2.0/1.1.</i>
Physical	
Connectors	USB connector on device side: (1) USB 3.0 Type A locking receptacle; USB connectors on host side: (1) USB 3.0 Type A host connector, (1) USB 3.0 Type A power connector (required for devices drawing more than 2.5 W)
Cable Diameter	6.9 mm (2.7")
Jacket Material	PVC
Bend Radius	28 mm (1.1")
Mounting Slots on Device Side	Slots for cable ties
Power	
Power Source	Bus power
Available Power to Device	5 V, 900 mA* *When both connectors are plugged into the host computer.
Environmental	
Temperature Tolerance	Operating: 32 to 113° F (0 to 45° C); Storage: -4 to +158° F (-20 to +70° C)
Storage Humidity	10 to 90% relative humidity, noncondensing
Compliance	
EMC	FCC (Class B), CE (Class B)
Environmental	RoHS2 (CE)
Flammability	VW-1 (UL 1581)
Machine Vision	Works with AIA USB3 Vision™ compliant devices
Warranty	2 years

What's Included in the USB3ACE-15M Package:

- 15-m (49.21-ft.) USB 3.0 active copper cable
- Zip-tie strap
- Printed quick start guide

A typical application of the USB 3.0 Active Extension Cable is shown below.



The diagram below shows the locking USB receptacle on the USB 3.0 Active Extension Cable.



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