

## FireNEX™-uLINK-S

USB 3.0 SuperSpeed Active Repeater Cable  
Extends USB 3.0 for up to 30m



### Data Sheet

#### Description

To break the 3 meter practical length barrier of USB 3.0 with assured reliability, FireNEX-uLINK-S™ series active repeater cable was developed to extend USB 3.0 signal up to 30 meters with custom options for lengths and connector configurations.

FireNEX™-uLINK-S provides a one-cable end to end extension solution for USB 3.0 5Gbps data transfer as well as being backward compatible with USB 2.0/1.1. With the extreme low power consumption, FireNEX™-uLINK-S can deliver ample power to the connected USB device and require no additional power input, which makes it act just like a simple USB cable, help customer to minimize the effort of USB extension.

FireNEX-uLINK-S™ was awarded a 2015 Vision System Design Innovation Prize and proven to be the highly reliable product over years.

#### Features

- Extends USB 3.0 signal up to 30m
- USB SuperSpeed Data Rate up to 5Gbps
- Bus Powered with Maximum 5V, 900mA
- USB 2.0/1.1 Backward Compatible
- 100% Plug & Play, Driver Installation Free
- Slim Repeater Box Profile, Ideal for Wall Conduit
- Windows®, Mac OS X®, Linux® Compatible
- USB3 Vision Compliant Lock Connector Available
- High Flex Life Robotic Cable Option Available
- Custom Cable Configuration & Length Available

#### Product P/N and Descriptions

(Other lengths and configurations are available upon request)

PN	Configuration	Length	Bus Power
FireNEX-ULKS08	A/M to B/M	8m (26.2 ft.)	Yes
FireNEX-ULKS12	A/M to B/M	12m (39.4 ft.)	Yes
FireNEX-ULKS16	A/M to B/M	16m (52.5 ft.)	Yes
FireNEX-ULKS20	A/M to B/M	20m (65.6 ft.)	Yes (Self-powered Device)
FireNEX-ULKX30	A/M to B/M	30m (98.4 ft.)	Yes (Self-powered Device)
FIRENEX-ULC-8	A/M to C/M	8m (26.2 ft.)	Yes
FIRENEX-ULC-16	A/M to C/M	16m (52.5 ft.)	Yes
FIRENEX-ULCX30	A/M to C/M	30m (98.4 ft.)	Yes (Self-powered Device)
UL-C21C11-8M	C/M to C/M	8m (26.2 ft.)	Yes
UL-C21C11-16M	C/M to C/M	16m (52.5 ft.)	Yes
UL-A01C12-8M	A/M to C/M Dual Screw Lock	8m (26.2 ft.)	Yes
UL-A01C12-16M	A/M to C/M Dual Screw Lock	16m (52.5 ft.)	Yes

## Specification

### RANGE

USB 3.0/USB 3.1 Gen 1	Up to 30m (98.4 ft.)
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### DATA RATE

USB 3.0/USB 3.1 Gen 1	5 Gb/
Backward Compatible USB 2.0	480Mb/s

### MECHANICAL

Repeater Box Dimension	16 x 16 x 40 mm (0.63 x 0.63 x 1.57")
Cable Diameter	6.4 mm (0.27")
Jacket Material	PVC, Black
USB Connector on Host Side	USB 3.0 Std-A (USB3 Vision Locking Connector Available) USB 3.1 Type-C (Standard Single and Dual Screw Locking Connector Available)
USB Connector on Device Side	USB 3.0 Std-B (USB3 Vision Locking Connector Available) USB 3.0 Micro B (USB3 Vision Locking Connector Available) USB 3.1 Type-C (Standard Single and Dual Screw Locking Connector Available)

### POWER

Power Source	Standard USB Bus Power (5V)
Available Power to Device	5V, 900mA (16m and below)

### ENVIRONMENTAL

Operating Temperature	0°C to 70 °C (32°F to 158°F)
Storage Temperature	-40°C to 80 °C (-40°F to 176°F)
Operating Humidity	20% to 80% relative humidity, non-condensing
Storage Humidity	10% to 90% relative humidity, non-condensing

### COMPLIANCE AND COMPATIBILITY

Connectivity	USB 3.0/USB 3.1 Gen 1/USB 2.0
EMC	FCC (Class B), CE (Class B)
Environmental	RoHS
Flammability	VW-1
Machine Vision	AIA USB3 Vision™ Compliant

### SUPPORT

Warranty	1-year Manufacture Warranty
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