

USB-AA-5M USB REPEATER CABLE

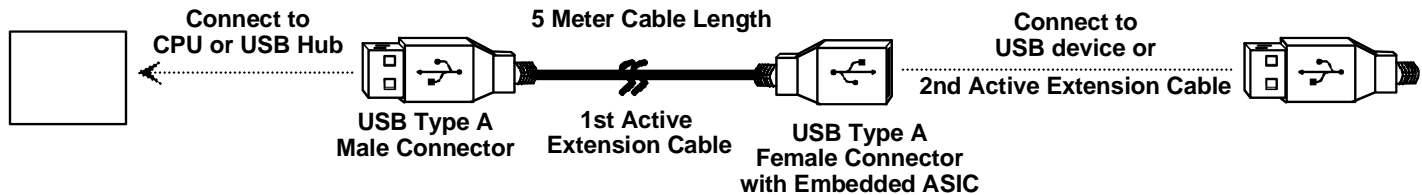
The USB-AA-5M USB Repeater Cable extends the cable length of a USB device by 5 meters. Up to 5 cables can be connected in series to extend the cable length up to 80 feet. The USB Repeater Cable is 100% compatible with the USB Electrical Timing Specs for USB Hub.

The USB-AA-5M USB Repeater Cable is not a passive extension cable. It is an active device. The USB signals going in and out of the extension cable are buffered to assure signal quality and the meeting of the USB's Electrical and Timing Specifications. Using passive cables for the purpose of extension will result in signal errors and is not recommended.

The USB-AA-5M USB Repeater Cable allows a USB device to have its cable length extended by up to an additional 25 meters (80 ft)*, by serially connecting 5 cables. The USB Repeater Cable acts as a transparent USB Hub and buffers all downstream and upstream data traffic.

Both Low-Speed and High-Speed devices will function equally well with the USB-AA-5M USB Repeater Cable.

TYPICAL USB EXTENSION CABLE CONFIGURATION



Technical Specifications

Parameter	Value	Units	Notes
Cable Length	5	Meters	Embedded USB Transceivers Cable Prevents Signal Loss
Maximum Supply Current Drawn	5.0	mA	Max@40C Typical current less than 3mA
Maximum Cable Voltage Drop	0.095	Volts	@500mA, Ta=40°C
VBUS and GND Wire Size	20	AWG	
D + & D- Wire Size	28	AWG	Stranded-Twisted Pair 90 Ohm Characteristic Impedance
Cable Shield			Aluminized wrap foil with 28 AWG drain wire and copper mesh over foil. UL Approved
High Speed Mode	12	Mbs	When used with high speed peripheral
Low Speed Mode	1.5	Mbs	When used with low speed peripheral
Operating Temperature Range	0-40	°C	
Storage Temperature Range	-40~+85	°C	
USB Transceiver Specification			Meets USB Specifications
Down Stream Connector	Female	Type "A"	USB Approved Connector
Up Stream Connector	Male	Type "A"	USB Approved Connector

NOTE: The USB-AA-5M USB Repeater Cable does not support MAC power-up/down.

***CAUTION:** Although it is possible to use multiple USB Repeater Cables in a row (up to 5 since each cable replaces a series Hub), users should verify that adding cables does not affect the operation of the USB device.

Part No. **USB-AA-5M**

Serial No. _____

Date: _____

Inspected By: _____

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