



Stretch USB: Point-to-Point Cable, M2-100

Description

Opticis optical extension cables link the USB signal up to 130feet (40 meters) without any repeater. Opticis optical USB extension cables provide the simplest way to link the USB device far from the host. Owing to the advanced VCSEL and PD, USB protocol could be maintained over such a long-distance connection with cost effective. The modules have a pair of optical-to-electrical and electrical-to-optical converters on each end, connected by fibre-optic cables.

Opticis optical extension cables provide A plug-in to A receptacle (M2-100). In addition, hybrid fibre cables running electrical wire along are used instead only optical cables. This offers convenient extension where there is no AC power supply, adjacent at the end of devices to be supplied to USB devices and Opticis downstream modules.

Specification

- Extend the USB signal up to 130feet (40 meters)
- No software to be installed: Easy to use; plug and play.
- Compatible with USB 1.1(12Mbps, 1.5Mbps)
- Cables are light-weight, almost zero EMI/RFI emissions, no spark hazard and data secure
- Wide variety models: DC power supply along cable to Rx module and Integral hub for multiple ports to be designed in by customer's inquiry

Applications

- PC link of peripherals in factory & office
- USB camera interfaces for surveillance system
- USB interface of automatic motion controls
- PC interface of digital audio systems

Absolute Maximum Ratings

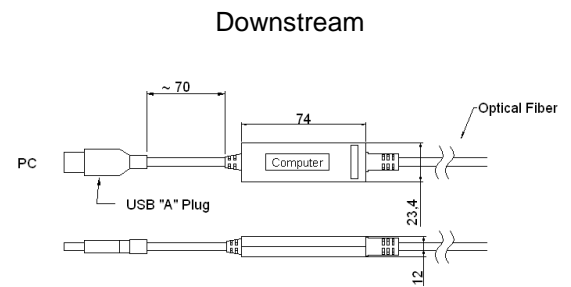
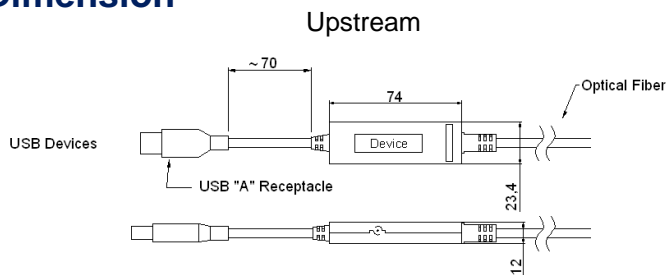
Parameter	Symbol	Min	Max	Units
Storage Temperature	Tstg	-30	+70	°C
Supply Voltage	V _{CC}	-0.3	+6.0	V
Input Voltage	V _{in}	-0.3	V _{CC}	V
Storage Humidity	RHsh	10	85	%

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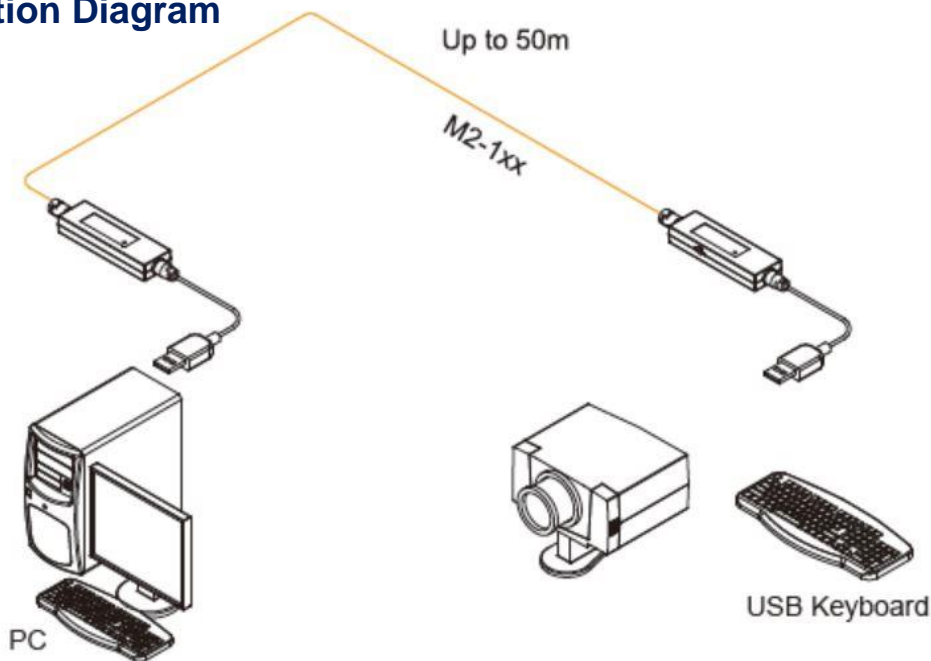
Operating Conditions

Parameter	Symbol	Min	Typ	Max	Units
Ambient Operating Temperature	T_A	0		+ 50	°C
Power Supply Rejection	PSR		50		mVpp
Supply Voltage	V_{CC}	+4.5	+5	+5.5	V
Full Speed Mode Data Rate	FS		12		Mbps
Low Speed Mode Data Rate	LS		1.5		Mbps

Dimension



Connection Diagram



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