

USBA Pro Plenum Series

5 GBPS SUPERSPEED USB-A 3.2
OPTICAL EXTENSION CABLES – PLENUM



Plenum
RATED



The Extron **USBA Pro Plenum Series** of USB-A male to female cables provide extension of USB 3.2 signals and power over distances up to 65 feet. The cables support a SuperSpeed USB data rate of 5 Gbps and deliver 5 V and up to 900 mA of power to the USB peripheral device. The USBA Pro Plenum Series is ideal for Pro AV applications that require reliable cable connection between USB host and USB peripheral devices over long cable runs.

- ▶ Provides USB-A signal extension between the host and a peripheral device
- ▶ Supports a SuperSpeed USB data rate of 5 Gbps
- ▶ Delivers 5 V and up to 900 mA of power
- ▶ Flexible, ultra-thin 0.24" (6 mm) diameter cable
- ▶ Plenum, NEC CMP-rated cable
- ▶ Highly resistant to EMI/RFI interference
- ▶ Backwards compatible with USB 2.0 and 1.1 devices
- ▶ Host power status LED indicator
- ▶ Optional external power for USB charging
- ▶ Gold-plated contacts
- ▶ Available in lengths from 15 feet to 65 feet (4.5 meters to 19.8 meters)

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DESCRIPTION

The Extron **USBA Pro Plenum Series** of USB-A male to female cables provide extension of USB 3.2 signals and power over distances up to 65 feet. The cables support a SuperSpeed USB data rate of 5 Gbps and deliver 5 V and up to 900 mA of power to the USB peripheral device. The ultra-thin 0.24" (6 mm) diameter and narrow bend radius allows for installation in tight spaces, including plenum air spaces. These optical-copper extension cables are powered by the host computer, and an LED provides visual notification of host power status. The USBA Pro Plenum Series cables are available in popular lengths from 15 feet up to 65 feet (4.5 meters to 19.8 meters).

The USBA Pro Plenum Series offers the benefits of fiber optics with the simplicity of traditional copper extension cables. Providing the best combination of price and performance, this cabling solution is ideal for extending USB data and power over long cable runs while maintaining full signal integrity and facilitating reliable operation to support mission-critical applications.

These cables use glass, multimode optical fiber to transmit bidirectional USB 3.2 signals. Integrated copper wiring provides transmission of USB 2.0/1.1 signals and 5 V, 900 mA of power from a host to a USB peripheral device. Built-in active circuitry enables optical/electrical conversion and signal regeneration. This circuitry draws minimal energy and is powered by the connected USB host device.

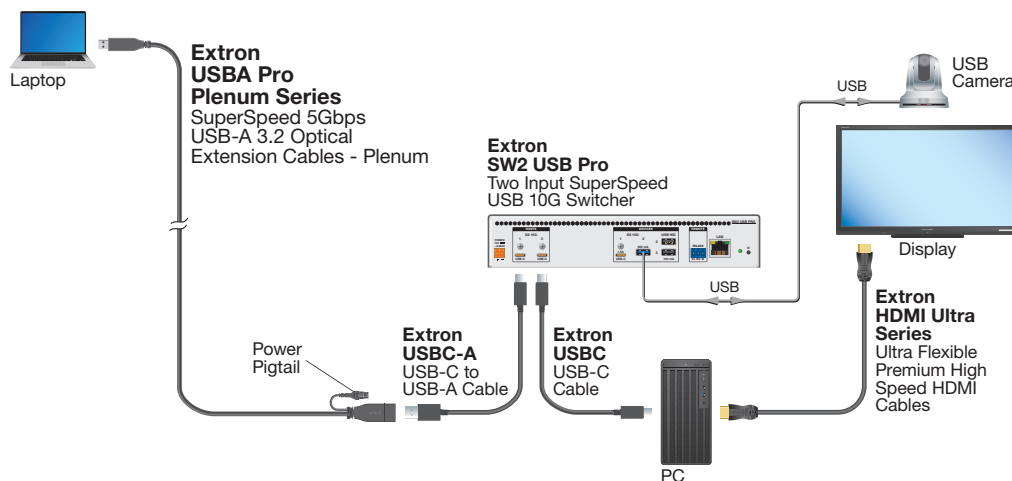
All USBA Pro Plenum Series products are active extension cables. Each cable is terminated with a male USB-A plug for the host and a female USB-A connector for the peripheral device. A blue LED on the female connector provides visual status notification of host power presence. For peripherals that require additional power, the cable includes a pigtail for connection to an external power source.

SPECIFICATIONS

PERFORMANCE/ELECTRICAL		
USB specification	USB 3.2 (Gen1), USB 2.0, USB 1.1	
USB data rate	5 Gbps	
Power output for USB charging	4.5 Watts	
Power consumption	2.25 W	
Max current output for +V	430 mA	
MECHANICAL		
Max tensile strength	100 N (10.2 kg, 22.5 lbs)	
Max. compression load resistance	200 N (20.4 kg, 45 lbs)	
Max pull strength	111 N (11.3 kg, 25 lbs)	
Cable outer diameter	0.24" (6 mm)	
Bend radius	0.79" (20 mm)	
GENERAL — PHYSICAL CHARACTERISTICS		
Connectors	1 USB A male to 1 USB A female	
Contacts	Gold plated	
Material	Conductors: Multi-mode fibers and 24 AWG tinned copper wires Jacket: PVC	
Connector dimensions		
USB A female	2.48" L x 0.94" W x 0.47" thick (63 mm L x 24 mm W x 12 mm thick)	
USB A male	2.64" L x 0.67" W x 0.34" thick (67 mm L x 17 mm W x 8.6 mm thick)	
GENERAL		
Operating temperature rating	Minimum: 0 °C Maximum: 50 °C	
Humidity	85 °C and 85% Relative Humidity, Non-Condensing	
Regulatory compliance	CE, UL-CMP	
Warranty	Limited Lifetime Performance	
NOTE: All nominal levels are at ±10%.		
Model	Version Description	Part Number
USBA Pro P/15	15' (4.5 m)	26-728-15
USBA Pro P/25	25' (7.6 m)	26-728-25
USBA Pro P/35	35' (10.6 m)	26-728-35
USBA Pro P/50	50' (15.2 m)	26-728-50
USBA Pro P/65	65' (19.8 m)	26-728-65

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

APPLICATION DIAGRAM



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