

USBC Pro Series

SUPERSPEED 5GBPS USB-C® 3.2 OPTICAL CABLES
WITH 4K/30 VIDEO AND 60 W POWER DELIVERY



The Extron **USBC Pro Series** of active, hybrid optical-copper USB-C® cables transmits SuperSpeed USB data up to 5 Gbps, 4K/30 video and audio on two DisplayPort lanes, and power signals simultaneously over distances up to 30 feet. The cables are USB 3.2 compliant and are compatible with previous USB standards. In addition, these cables support bidirectional power delivery of up to 60 watts and can draw power from either connected USB device. The USBC Pro Series cables are ideal for a wide variety of professional environments.

- ▶ USB 3.2 compliant
- ▶ Supports a SuperSpeed USB data rate of 5 Gbps
- ▶ Power delivery of up to 60 watts
- ▶ Transmits 4K/30 DisplayPort video and embedded audio signals
- ▶ Ultra-flexible, ultra-thin 0.26" (6.5 mm) diameter cable
- ▶ No external power is needed
- ▶ Bidirectional USB power flow
- ▶ Highly resistant to EMI/RFI Interference
- ▶ Color-coded and labeled ends
- ▶ Backwards compatible with previous USB standards
- ▶ Available in lengths from 12' to 30' (3.6 m to 9.1 m)

DESCRIPTION

The Extron **USBC Pro Series** of active, hybrid optical-copper USB-C® cables simultaneously transmits SuperSpeed USB data up to 5 Gbps, DisplayPort AV, and power signals over distances up to 30 feet. The cables are USB 3.2 compliant and are compatible with previous USB standards. These full-featured cables support 4K/30 video and audio on two DisplayPort lanes. In addition, these cables support bidirectional power delivery of up to 60 watts. The ultra-flexible, 0.26" (6.5 mm) thin diameter and narrow bend radius cable construction allow for installation in tight spaces. These active cables are unidirectional and can draw power from either connected USB device.

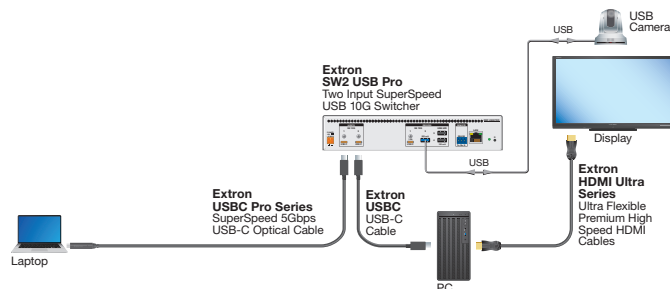
They offer the benefits of fiber optics with the simplicity of traditional copper cables. Providing the best combination of price and performance, the USBC Pro Series is ideal for sending USB data, AV, and power signals over long cable runs while maintaining full signal integrity and providing reliable operation.

For easy identification and cable orientation, a blue-colored ring encircles the host connector neck and connector ends are molded with descriptive text to indicate source and display directionality.

KEY FEATURES

- ▶ USB 3.2 compliant
- ▶ Supports a SuperSpeed USB data rate of 5 Gbps
- ▶ Power delivery of up to 60 watts
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- ▶ Ultra-flexible, ultra-thin 0.26" (6.5 mm) diameter cable
- ▶ No external power is needed
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APPLICATION DIAGRAM



SPECIFICATIONS

TRUE 4K SPECIFICATION

Max 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max Bit Depth per Color
4096 x 2160 at 30 Hz 3840 x 2160 at 30 Hz	4:4:4	12 bit

Frame rate ³	24, 25, or 30 fps
Chroma sampling ³	4:4:4 or 4:2:2
Color bit depth ^{2,3}	8, 10, or 12 bits per color
Signal type	Up to DisplayPort 1.4 and HDCP 2.3
Max. video data rate	16.2 Gbps

NOTE: ¹Subject to the maximum data rate limit. Use our calculator at www.extron.com/8Kdata to determine video parameters supported by this data rate.

VIDEO

DisplayPort video	DisplayPort Alt Mode, DP 1.4 (2 lanes), HBR2/5.4 Gbps per lane, HBR3/8.1 Gbps per lane
Maximum data rate	16.2 Gbps
Maximum pixel clock	300 MHz
Resolution range	640x480 ⁸ up to 4096x2160 ^{1,2,3,4,5} , 480p ^{7,8} , 576p ⁶ , 720p ^{3,4,5,6,7,8} , 1080i ^{6,7,8} , 1080p ^{1,2,3,4,5,6,7,8} , 2K ^{1,2,3,4,5,6,7,8} , 3840x2160 ^{1,2,3,4,5} , 4096x2160 ^{1,2,3,4,5} ¹ 23.98 Hz, ² 24 Hz, ³ 25 Hz, ⁴ 29.97 Hz, ⁵ 30 Hz, ⁶ 50 Hz, ⁷ 59.94 Hz, ⁸ 60 Hz
Frame rate	24, 25, 30, or 60 fps
Standards	Up to DisplayPort 1.4 and HDCP 2.3

POWER

Maximum power delivery	60 W
Power consumption	1.15 W

DATA

USB specification	USB 3.2 (Gen 1), USB 2.0, USB 1.1 Compatible
USB data rate	Up to 5 Gbps
Maximum built-in USB hubs	
USB 2.0	2
USB 3.0	0

MECHANICAL

Max pull strength	111 N (11.3 kg, 25 lbs)
Cable outer diameter	0.26" (6.5 mm)
Bend radius	0.79" (20 mm)

GENERAL — PHYSICAL CHARACTERISTICS

Connectors	1 USB-C Male to 1 USB-C Male
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GENERAL

Regulatory compliance	RoHS, WEEE, CE, UL-CMX
Warranty	Limited Lifetime Performance

NOTE: All nominal levels are at ±10%.

Model	Version Description	Part number
USBC Pro/12	12' (3.6 m)	26-741-12
USBC Pro/15	15' (4.5 m)	26-741-15
USBC Pro/25	25' (7.6 m)	26-741-25
USBC Pro/30	30' (9.1 m)	26-741-30

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

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