

DP Ultra Plus Series

ULTRA-FLEXIBLE 8K AND 4K DISPLAYPORT CABLES



8K

32.4 Gbps
8K/30 4:4:4

21.6 Gbps
4K/60 4:4:4

Extron **DP Ultra Plus Series** of DisplayPort cables support video resolutions up to 8K and data rates up to 32.4 Gbps. These ultra-flexible cables provide the flawless transmission of high-bandwidth DisplayPort signals. Cables up to 9' (2.7 m) support video resolutions up to 8K (7680x4320) and the 12-foot (3.6-meter) cable supports video signals up to 4K (4096x2160). These industry-leading cable assemblies provide reliable DisplayPort video signal transmission for a wide variety of professional AV applications.

- ▶ High performance, ultra-flexible 8K and 4K DisplayPort cables
- ▶ Extron-exclusive ultra-flexible 28 AWG cable
- ▶ Multi-Stream Transport - MST support
- ▶ EDID and HDCP pass-through
- ▶ Latching DisplayPort connectors for reliable signal transmission
- ▶ Gold-plated contacts
- ▶ Available in lengths up to 12' (3.6 m)

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DESCRIPTION

The Extron **DP Ultra Plus Series** of DisplayPort cables support video resolutions up to 8K and data rates up to 32.4 Gbps. These ultra-flexible cables provide the flawless transmission of high-bandwidth DisplayPort signals. Cable lengths up to nine feet (2.7 meters) support video resolutions up to 8K (7680x4320) and the 12-foot (3.6-meter) cable supports video signals up to 4K (4096x2160). Engineered with Extron-exclusive ultra-flexible 28 AWG cable, these cable assemblies offer a narrow bend radius for installation in space-constrained environments. The cables have gold-plated contacts and latching connectors for reliable signal transmission. The DP Ultra Plus Series cables are available in lengths up to 12 feet (3.6 meters).

KEY FEATURES

- ▶ **High performance, ultra-flexible 8K and 4K DisplayPort cables**
- ▶ **Cable lengths up to 9' (2.7 m)**
 - Support resolutions up to 8K (7680x4320)
 - Provide 8.1 Gbps throughput per lane, 32.4 Gbps total
 - Conform to DisplayPort 1.4 standard
- ▶ **12' (3.6 m) cable**
 - Supports resolutions up to 4K (4096x2160)
 - Provides 5.4 Gbps throughput per lane, 21.6 Gbps total
 - Conforms to DisplayPort 1.2 standard
- ▶ **Extron-exclusive ultra-flexible 28 AWG cable** – Ultra-flexible DisplayPort cables provide narrow bend radius for ease of installation and for use in space-constrained environments.
- ▶ **Multi-Stream Transport - MST support** – Each cable supports MST, which allows multiple monitors to be operated simultaneously with just one DisplayPort output.
- ▶ **EDID and HDCP pass-through**
- ▶ **Latching DisplayPort connectors for reliable signal transmission**
- ▶ **Gold-plated contacts**
- ▶ **Available in lengths up to 12' (3.6 m)**
- ▶ **Display Stream Compression** – DSC 1.2 support – DP Ultra Plus Series cables support compressed and uncompressed DisplayPort signals.
- ▶ **Certified for use with AVEdge™, Cable Cubby®, and HSA Hideaway® Surface Access enclosures**

SPECIFICATIONS

TRUE 4K SPECIFICATION		
Max 8K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max Bit Depth per Color
7680 x 4320 at 60 Hz	4:2:0	8 bit
7680 x 4320 at 30 Hz	4:4:4	
Max 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max Bit Depth per Color
4096 x 2160 at 60 Hz	4:4:4	8 bit
3840 x 2160 at 60 Hz		
Frame rate ¹	24, 25, 30, 50, or 60 fps	
Chroma sampling ¹	4:4:4, 4:2:2, or 4:2:0	
Color bit depth ¹	8, 10, or 12 bits per color	
Signal Type	Up to DisplayPort 1.4 and HDCP 2.3	
Max. video data rate	32.4 Gbps (8.1 Gbps per lane)	
NOTE: ¹ Subject 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	Up to HBR3/8.1 Gbps per lane	
Maximum data rate	32.4 Gbps (8.1 Gbps per lane)	
Resolution range	Up to 7680x4320 @ 60 Hz	
Standards	Up to DisplayPort 1.4 and HDCP 2.3	
Format	RGB and YCbCr digital video	
VIDEO		
Up to 9'		
DisplayPort video	Up to HBR3/8.1 Gbps per lane	
Maximum data rate	32.4 Gbps (8.1 Gbps per lane)	
Resolution range	Up to 7680x4320 @ 60 Hz	
12'		
DisplayPort video	Up to HBR2/5.4 Gbps per lane	
Maximum data rate	21.6 Gbps (5.4 Gbps per lane)	
Resolution range	Up to 4096x2160 @ 60 Hz	
Standards	Up to DisplayPort 1.4 and HDCP 2.3	
Format	RGB and YCbCr digital video	
MECHANICAL		
Cable outer diameter	0.24" (6.2 mm)	
Bend radius	0.87" (22 mm)	
GENERAL – PHYSICAL CHARACTERISTICS		
Connectors	1 Male latching DisplayPort to 1 Male latching DisplayPort	
Contacts	Gold plated	
Material	Conductors: 28 AWG tinned copper wires Jacket: PVC – Polyvinyl Chloride	
GENERAL		
Regulatory compliance	CE, RoHS, UL-CMX, WEEE	
Warranty	Limited Lifetime Performance	
NOTE: All nominal levels are at ±10%.		
Model	Version Description	Part number
DP Ultra Plus/6	6' (1.8 m) 8K	26-753-06
DP Ultra Plus/9	9' (2.7 m) 8K	26-753-09
DP Ultra Plus/12	12' (3.6 m) 4K	26-757-12

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

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