



FlexInstall | 8K Ultra High-Speed DisplayPort Cable

Flexible Ultra-High-Speed DP 1.4 Cable: Reliable Connection and High-Quality Performance

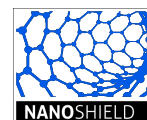
Pre-assembled with blue strain relief.

The FlexInstall DisplayPort cable is engineered for high-resolution AV installations requiring reliable signal integrity across workspaces, meeting rooms, and control environments. Its ultra-flexible construction and compact connector design facilitate efficient cable routing in confined spaces, while the cable's graphene nano shielding and high-purity copper conductors minimise electromagnetic interference. The inclusion of colour-coded strain relief options supports cable management strategies in complex deployments. Each unit undergoes comprehensive testing to ensure consistent performance and compatibility with professional AV hardware and signal distribution systems.

- **DisplayPort 1.4 – 8K Video Support:** Supports DisplayPort 1.4 with a bandwidth of 32.4Gbps, enabling transmission of video signals up to 8K UltraHD-2 at 60Hz. This capability ensures compatibility with high-resolution displays and advanced AV processing equipment in demanding environments.
- **Ultra-Flexible Cable Design:** Features a 25.5mm minimum bend radius, allowing for tight routing in racks, podiums, or behind displays. The flexible jacket material and compact connector facilitate installation in space-constrained AV setups without compromising signal integrity.
- **DP Male to DP Male Configuration:** Utilises DP male connectors on both ends, with blue strain relief for mechanical protection and easy identification. Optional strain relief colours (10 available) enable clear cable management in multi-channel or multi-zone AV systems.
- **Graphene Nano Shielding:** Incorporates high-purity copper conductors and a graphene nano shielding layer within a 5.1mm cable diameter. This construction reduces signal loss and electromagnetic interference, supporting stable operation in electrically noisy environments.
- **100% AV Application Testing:** Each cable is fully tested to meet the requirements of professional AV installations, ensuring reliable performance and interoperability with a wide range of DisplayPort source and display devices.

Reliable High-Resolution Signal Transmission

The FlexInstall DP1.4 cable delivers consistent high-bandwidth video transmission and flexible installation options for professional AV projects. By combining advanced shielding, compact design, and comprehensive compatibility testing, this cable supports stable deployment in control rooms, meeting spaces, and digital signage applications where signal integrity and installation efficiency are critical.



Features

- DisplayPort 1.4 – 32.4Gbps for resolutions up to 8K UltraHD-2 60Hz
- Ultra-flexible cable (25.5mm bend radius) and compact connector
- DP male to DP male with blue strain relief (10 optional colours available)

- High-purity copper conductors and graphene nano shielding - Ø 5.1mm
- 100% tested for professional AV applications

Specifications

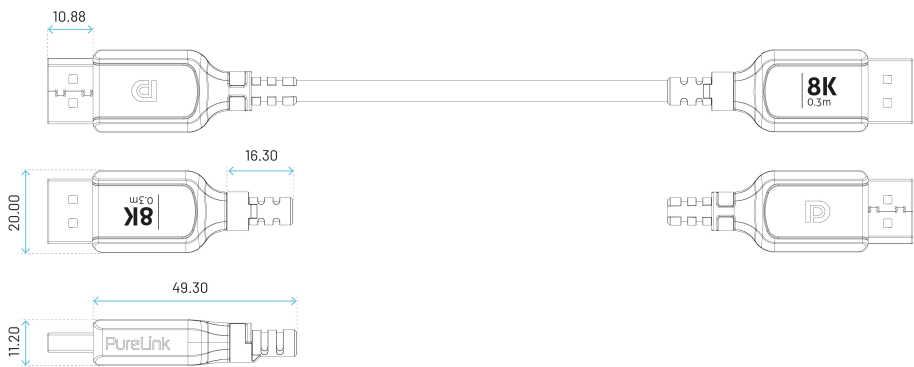
Cable	
Cable standard	DP1.3/1.4a (HBR3)
Unidirectional	No
Cable fire class	UL VW-1
Cable length detection	Yes
Cable shape	Round
Cable diameter (mm)	5.1 mm
Cable jacket characteristics	Ultra flexible
Cable jacket material	Polyvinyl Chloride (PVC)
Cable shielding	Double shielded
Shield materials	Aluminium foil, Graphene
Number of shielding layers	2
Additional cable components	Twisted Pair (Data lines)
Primary conductor gauge (AWG)	32
Conductor material	Copper
Conductor type	Solid
Minimum bending radius (flexible use)(mm)	25.5 mm
Minimum bending radius (fixed installation)(mm)	25.5 mm
Tensile strength (N/mm ²)	9.81 N/mm ²
Mechanical durability (cycles)	1000
Nominal voltage (V)	5 V
Raw Cable Rated voltage	30 V
Maximum cable loss with connectors	0.013 dB

Connection	
Connector 1 standard	Vesa
Connector 1	DisplayPort
Connector 1 gender	Male connector
Connector 1 form factor	Straight
Connector 1 lockable	No locking
Connector 1 dimensions (WxDxH) (mm)	49.30 mm x 20.00 mm x 11.20 mm
Connector 1 current (A)	0.5 A
Connector 1 pinout	19+1 (DP standard)
Connector 2	Display Port
Connector 2 standard	Vesa
Connector 2 gender	Male connector
Connector 2 form factor	Straight
Connector 2 lockable	No locking
Connector 2 dimensions (WxDxH) (mm)	49.30 mm x 20.00 mm x 11.20 mm
Connector 2 current (A)	0.5 A
Connector 2 pinout	19+1 (DP standard)
Connector housing material	Polyvinyl Chloride (PVC)
Connector material	Gold-plated
Connector contacts plating	Gold-plated
Connector shielding	Yes
Connector shield material	Tin
Pulling force (kN)	0.01 kN

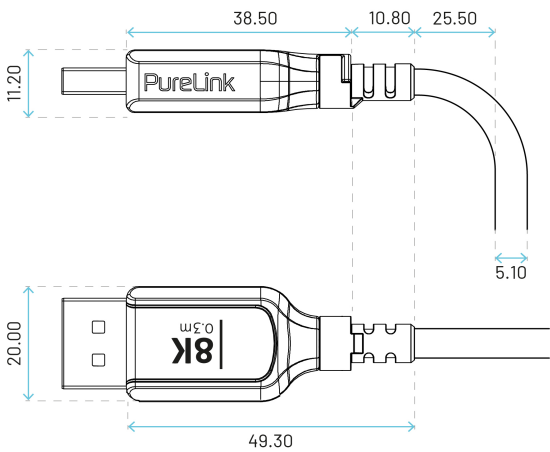
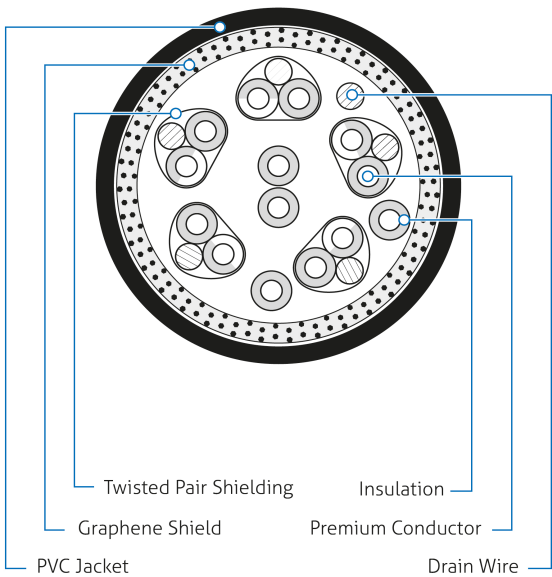
Features	
High Dynamic Range (HDR) technology	High Dynamic Range (HDR)
Colour space	RGB
Colour depth	12-bit
Supported digital audio channels (uncompressed)	7.1
Multi-Stream Transport (MST) Windows	Yes
Single-Stream Transport (SST)	Yes

DisplayPort	
DisplayPort version	1.4
Maximum bandwidth (DisplayPort)	DP 1.3/1.4 (32.4Gbps)
DisplayPort Content Protection (DPCP)	Yes
USB Type-C DisplayPort Alternate Mode	Yes

General Information	
Operating temperature (T-T)(°C)	from -20 °C to 80 °C
Operating relative humidity (H-H) (%)	from 40 % to 90 %
Storage temperature (T-T)(°C)	from -20 °C to 80 °C
Storage relative humidity (H-H) (%)	from 50 % to 95 %
Certification	CE, RoHS



All measurements in mm.



All measurements in mm.

Overview

Parent	Item-No.	Cable length
FI-DP100	FI-DP100-003	0.30 m
	FI-DP100-003-PCK	0.30 m
	FI-DP100-005	0.50 m
	FI-DP100-005-PCK	0.50 m
	FI-DP100-010	1.00 m
	FI-DP100-010-PCK	1.00 m
	FI-DP100-015	1.50 m
	FI-DP100-015-PCK	1.50 m
	FI-DP100-020	2.00 m
	FI-DP100-020-PCK	2.00 m
	FI-DP100-030	3.00 m
	FI-DP100-030-PCK	3.00 m

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