Model: ATZ DP2.1-MM-xM (x = Length: 1 / 2 / 3 / 5)

Description: DisplayPort 2.1 Cable 16K@60Hz, 80Gbps w/Gold plated conn (Length: 1m / 2m / 3m / 5m)

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Displayport Male Displayport Male

DisplayPort 2.1 cable support a higher bandwidth and enhanced display performance for next-generation gaming, professional content creation, and high-resolution digital displays. With support for UHBR20 (Ultra High Bit Rate) transmission modes and up to 80 Gbps bandwidth (more than double the speed of DP 1.4 cables), DisplayPort 2.1 enables ultra-smooth visuals, higher refresh rates, and exceptional image quality across demanding applications.

Designed to support advanced display configurations, DisplayPort 2.1 delivers resolutions up to 16K with Display Stream Compression (DSC), while also supporting high-refresh-rate 4K, 8K, and ultrawide displays. Enhanced bandwidth efficiency, improved cable interoperability, and support for HDR technologies ensure immersive visuals with rich color, greater contrast, and lifelike image reproduction.

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Fully compatible with modern graphics cards, monitors, docking stations, and USB4 devices, DisplayPort 2.1 provides a future-ready connectivity solution for gamers, creative professionals, engineers, and enterprise environments requiring maximum display performance and reliability.

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Features:

- Latest DisplayPort 2.1 standard technology
- Up to 80 Gbps maximum bandwidth (UHBR20)
- Supports resolutions up to 16K@60 Hz with DSC
- Supports 8K@120 Hz, 4K@240 Hz high-refresh-rate gaming and professional displays
- Ultra-High Bit Rate (UHBR) signaling support
- Display Stream Compression (DSC) 1.2a support
- HDR support for enhanced color and contrast
- Multi-Stream Transport (MST) for multiple displays
- Forward Error Correction (FEC) for reliable signal integrity
- Compatible with USB4 and DisplayPort Alt Mode devices
- Provides sufficient bandwidth for many virtual reality headsets
- Backward compatible with DisplayPort 2.0, 1.4, 1.3, and earlier standards
- Bi-Directional Audio and Video cable
- Come with detachable Ferrite core to eliminate EMF interference improving signal reliability
- Triple foil & braid shielding, bare copper conductors and gold-plated connectors provide both superior cable performance and reliable connectivity



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Specifications:

Standard	DisplayPort 2.1a
Connector Types	DisplayPort male to DisplayPort male
Conductor Material	Bare Copper
Connector Plating	Gold-Plated Contacts
Shielding	Triple Shielded Construction
Ferrite Core	Detachable Ferrite Core
Max. Raw Link Bandwidth	80 Gbps
Max. Effective Data Bandwidth	77.37 Gbps
Number of Lanes	4
Max. Lane Rate	20 Gbps per lane
Signaling Rate	UHBR20
Max. Resolution (without DSC)	7680×4320 @ 60 Hz (8K)
Max. Resolution (with DSC)	15360 × 8640 @ 60 Hz (16K)
Display Stream Compression	DSC 1.2a Support
4K Support	Up to 240 Hz (uncompressed), Up to 480 Hz with DSC
HDR Support	HDR10, HDR10+, Dolby Vision (device dependent)
Forward Error Correction (FEC)	Supported
Adaptive Sync	Supported (AMD FreeSync, VESA Adaptive-Sync)
Multi-Stream Transport	MST Daisy-Chaining Supported
HDCP Support	HDCP 2.3
Audio Support	Up to 32 channels, 1536 kHz, 24-bit
Colour Depth	Up to 16 bits per colour (48-bit RGB)
Chroma Subsampling	RGB, YCbCr 4:4:4, 4:2:2, 4:2:0
Backward Compatibility	Compatible with DP 2.0, 1.4, 1.3, 1.2, 1.1, and 1.0 devices
Material	Aluminium Alloy Shell
Operating Temperature	-20°C to +80°C
Withstanding Voltage	DC 300V / 10ms
Contact Resistance	5Ω (max.)
Insulation Resistance	5MΩ (min.)



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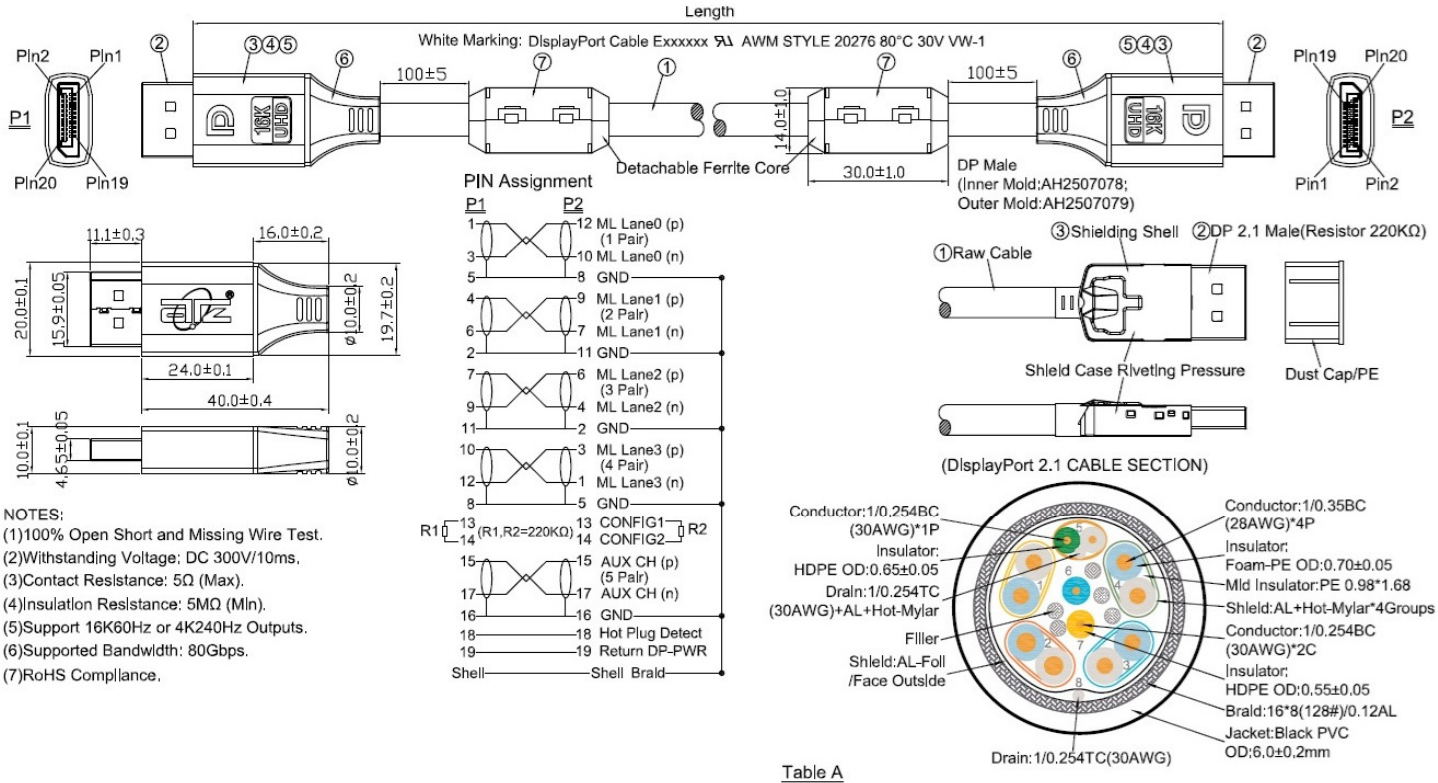
Model: ATZ DP2.1-MM-xM (x = Length: 1 / 2 / 3 / 5)

Description: DisplayPort 2.1 Cable 16K@60Hz, 80Gbps w/Gold plated conn (Length: 1m / 2m / 3m / 5m)

Your Trusted Connectivity Solutions!

Product Diagram:

For 1m to 3m length



NOTES:
(1)100% Open Short and Missing Wire Test.
(2)Withstanding Voltage: DC 300V/10ms.
(3)Contact Resistance: 5Ω (Max).
(4)Insulation Resistance: 5MΩ (Min).
(5)Support 16K60Hz or 4K240Hz Outputs.
(6)Supported Bandwidth: 80Gbps.
(7)RoHS Compliance.

Table A

MODEL NO.	Length(mm)
ATZ DP2.1-MM-1M	1000±30
ATZ DP2.1-MM-2M	2000±35
ATZ DP2.1-MM-3M	3000±40

ATZ

TOLERANCES UNLESS OTHERWISE STATED X. = ± 1 .X = ± 0.2 .XX = ± 0.1	DRAWN	Ray	SCALE	PAGE	DRAW NO.	ATZ DP2.1-MM-xM
	CHECKED	David	NONE	1 of 1	CUSTOMER	
	APPROVAL	Hanson	UNIT	REV.	DESCRIPTION	DisplayPort v2.1 w/AL Shell Cable ASS'Y,Support 16K60Hz,80Gbps
	DATE	2026.11.04	mm	A0		

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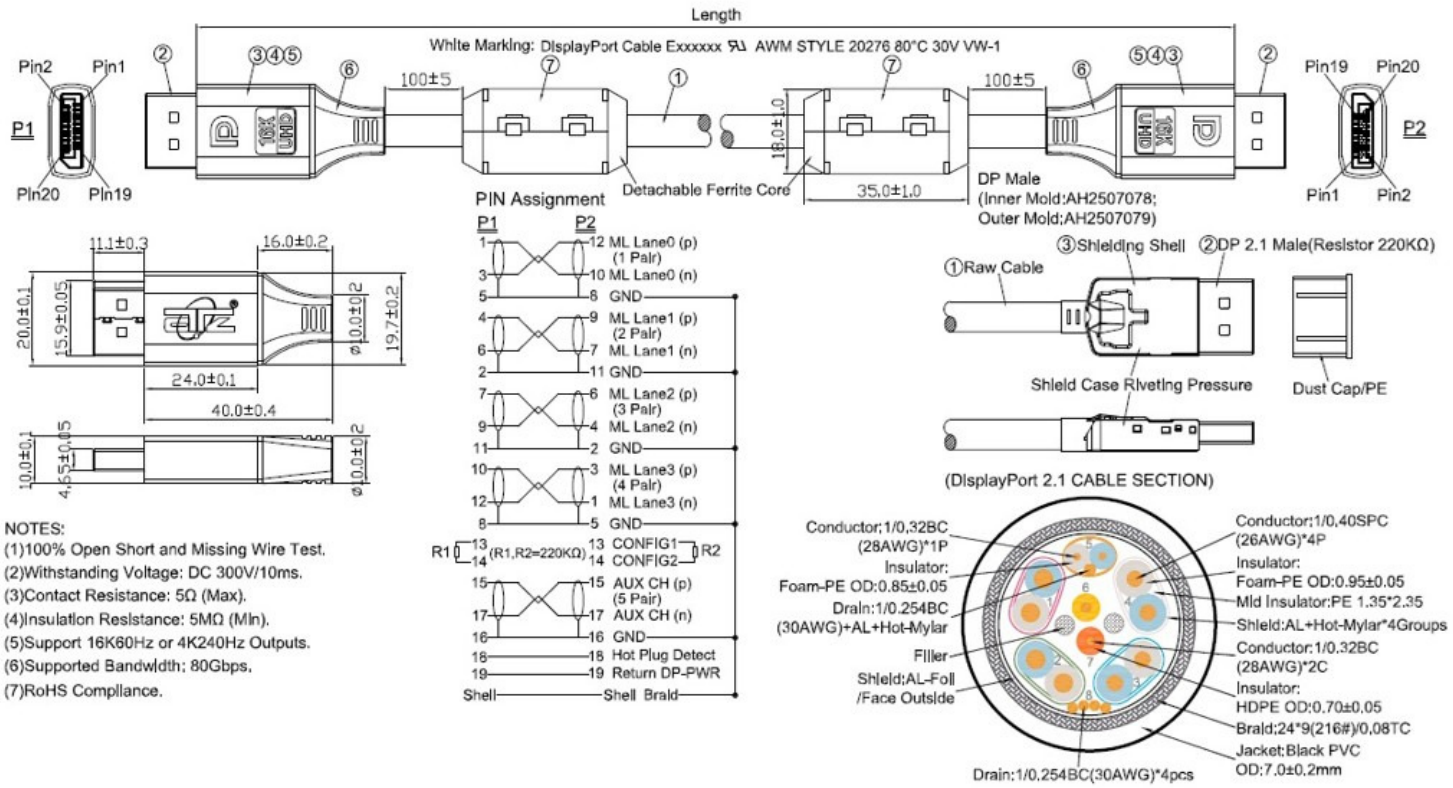
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Model: ATZ DP2.1-MM-xM (x = Length: 1 / 2 / 3 / 5)

Description: DisplayPort 2.1 Cable 16K@60Hz, 80Gbps w/Gold plated conn (Length: 1m / 2m / 3m / 5m)

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For 5m Length



NOTES:
(1)100% Open Short and Missing Wire Test.
(2)Withstanding Voltage: DC 300V/10ms.
(3)Contact Resistance: 5Ω (Max).
(4)Insulation Resistance: 5MΩ (Min).
(5)Support 16K60Hz or 4K240Hz Outputs.
(6)Supported Bandwidth: 80Gbps.
(7)RoHS Compliance.

Table A

MODEL NO.	Length(mm)
ATZ DP2.1-MM-5M	5000±50

ATZ

TOLERANCES UNLESS OTHERWISE STATED X. = ± 1 .X = ± 0.2 .XX = ± 0.1	DRAWN	Ray	SCALE	PAGE	DRAW NO.	ATZ DP2.1-MM-5M
	CHECKED	David	NONE	1 of 1	CUSTOMER	
	APPROVAL	Hanson	UNIT	REV.	DESCRIPTION	DisplayPort v2.1 w/AL Shell Cable ASS'Y,Support 16K60Hz,80Gbps
	DATE	2026.11.04	mm	A0		

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Model: ATZ DP2.1-MM-xM (x = Length: 1 / 2 / 3 / 5)

Description: DisplayPort 2.1 Cable 16K@60Hz, 80Gbps w/Gold plated conn (Length: 1m / 2m / 3m / 5m)

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Product Picture:

Come with Detachable Ferrite Core



Without Ferrite core



With Ferrite Core



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Model: ATZ DP2.1-MM-xM (x = Length: 1 / 2 / 3 / 5)

Description: DisplayPort 2.1 Cable 16K@60Hz, 80Gbps w/Gold plated conn (Length: 1m / 2m / 3m / 5m)

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ATZ DP2.1-MM-1M



ATZ DP2.1-MM-2M



ATZ DP2.1-MM-3M



ATZ DP2.1-MM-5M

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Application Diagram:



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Package Contents:

1 x ATZ DP2.1-MM-xM (x = Length: 1 / 2 / 3 / 5)

Warranty: 3 Years

Warranty is effective from the date of original delivery.

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