



HDMI 2.1 pigtail cable for mediahub2. Connect seamlessly with 48Gbps bandwidth and ICS compatibility

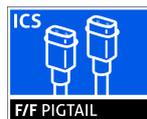
M2-PM1020 – HDMI 2.1 Pigtail Cable Assembly: High-Bandwidth ICS Interconnect for Modular Desk Systems

The M2-PM1020 is a dedicated HDMI 2.1 pigtail cable assembly engineered for integration with the mediahub2 modular desk connection system in professional AV workspaces, meeting rooms, and collaborative environments. Designed to support high-throughput video signals, this assembly incorporates triple-layer shielding and precision AWG28 conductors to maintain signal integrity in electrically demanding installations. The ICS (Individual Connection System) compatibility enables secure, toolless attachment to modular slot covers, facilitating rapid deployment and future-proofing for evolving AV requirements. Gold-plated contacts and black-shielded housings contribute to both mechanical reliability and consistent electrical performance across diverse installation scenarios.

- **HDMI 2.1 Pigtail Cable Assembly:** Purpose-built for the mediahub2 modular desk system, this assembly provides a direct HDMI-A female to HDMI-A female interconnect. The design supports flexible, panel-based integration in workspace and meeting room environments where modularity and accessibility are essential.
- **48Gbps Bandwidth, 8K UltraHD-2 Support:** The cable accommodates HDMI 2.1 data rates up to 48Gbps, enabling transmission of resolutions up to 8K UltraHD-2 at 60Hz. This ensures compatibility with high-performance displays and future-ready AV deployments requiring uncompressed, high-resolution video signals.
- **ICS-Compatible Modular Interconnect:** Engineered for use with the ICS (Individual Connection System), this assembly enables secure, toolless mounting to mediahub2 M2-CRV slot covers. The ICS mechanism supports rapid customisation and reliable connectivity within modular AV panel installations.
- **Triple-Shielded AWG28 Cable Construction:** The Ø7.30mm black cable utilises triple-layer shielding and AWG28 conductors, providing enhanced protection against electromagnetic interference. This construction maintains signal quality and mechanical durability in environments with high electrical noise or frequent cable handling.
- **Gold-Plated, Black-Shielded Connectors:** Both HDMI-A connectors feature gold-plated pins for optimal contact reliability and corrosion resistance. The black-shielded housings further reinforce mechanical stability and contribute to consistent electrical performance in long-term AV installations.

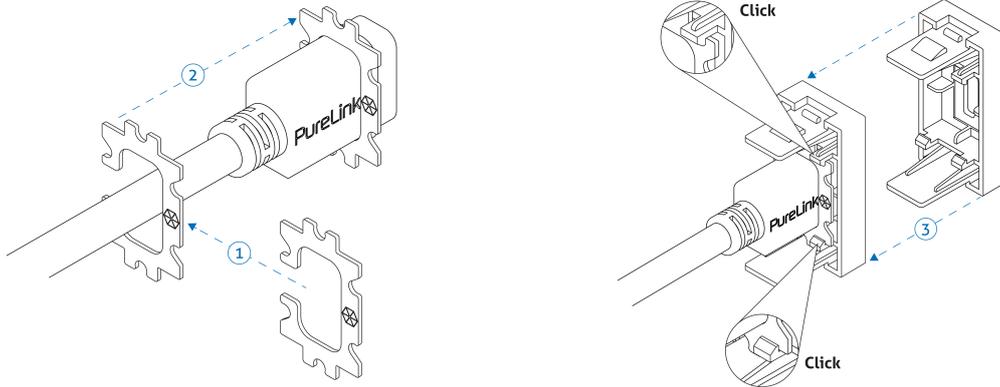
Reliable High-Bandwidth Interconnect for Modular AV Integration

The M2-PM1020 delivers a technically robust solution for high-bandwidth HDMI connectivity within modular desk and workspace environments. By combining ICS compatibility, advanced shielding, and precision contact materials, this assembly supports seamless integration, rapid deployment, and long-term reliability—addressing the principal requirements of professional AV installers seeking dependable signal transmission and flexible system expansion.



Features

- HDMI 2.1 pigtail cable assembly for mediahub2's award winning desk connection system
- 48Gbps bandwidth for resolutions up to 8K UltraHD-2 60Hz
- ICS-compatible HDMI-A female to HDMI-A female interconnect to pair with a mediahub2 M2-CRV slot cover
- Black triple-shielded cable (Ø7.30mm) AWG28 conductors
- Black-shielded connectors with gold-plated pins



Specifications

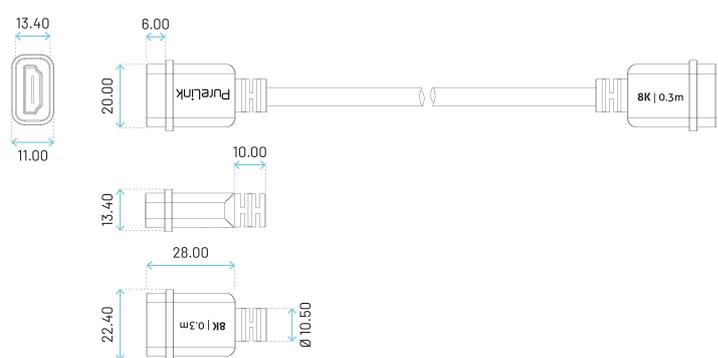
Cable	
Unidirectional	No
Cable standard	HDMI 2.1
Cable fire class	UL VW-1
Cable length detection	Yes
Cable shape	Round
Cable diameter (mm)	7.3 mm
Cable jacket characteristics	Matte
Cable jacket material	Polyvinyl Chloride (PVC)
Cable shielding	Tripple shielded
Shield materials	Aluminium foil (25% overlap)+ Mylar layer, Aluminium foil, Aluminium braid
Number of shielding layers	3
Additional cable components	Twisted Pair (Data lines)
Primary conductor gauge (AWG)	28
Conductor material	Copper
Conductor type	Stranded
Minimum bending radius (flexible use)(mm)	51 mm
Minimum bending radius (fixed installation)(mm)	37 mm
Tensile strength (N/mm ²)	9.81 N/mm ²
Nominal voltage (V)	5 V
Raw Cable Rated voltage	30 V
Maximum cable loss with connectors	0.013 dB

Connection	
Connector 1 standard	HDMI
Connector 1	HDMI-A (Standard)
Connector 1 gender	Female connector
Connector 1 form factor	Straight
Connector 1 dimensions (WxDxH) (mm)	22.40 mm x 38.00 mm x 13.40 mm
Connector 1 current (A)	0.5 A
Connector 1 pinout	19+1 (HDMI)
Connector 2 standard	HDMI
Connector 2	HDMI-A (Standard)
Connector 2 gender	Female connector
Connector 2 form factor	Straight
Connector 2 dimensions (WxDxH) (mm)	22.40 mm x 38.00 mm x 13.40 mm
Connector 2 current (A)	0.5 A
Connector 2 pinout	19+1 (HDMI)
Connector housing material	Polyvinyl Chloride (PVC)
Connector material	Gold-plated
Connector contacts plating	Gold-plated
Connector shielding	Yes
Connector shield material	Copper tape
Pulling force (kN)	0.01 kN

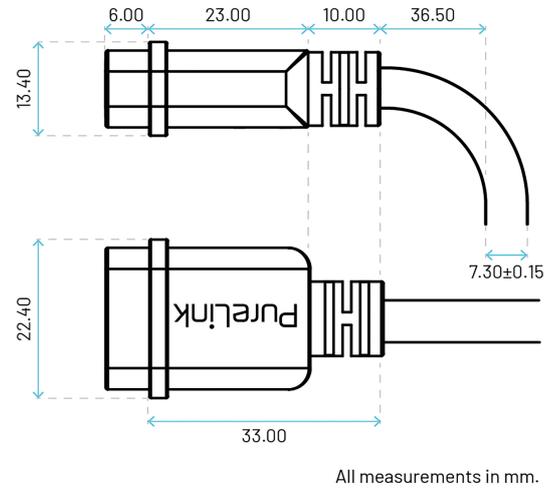
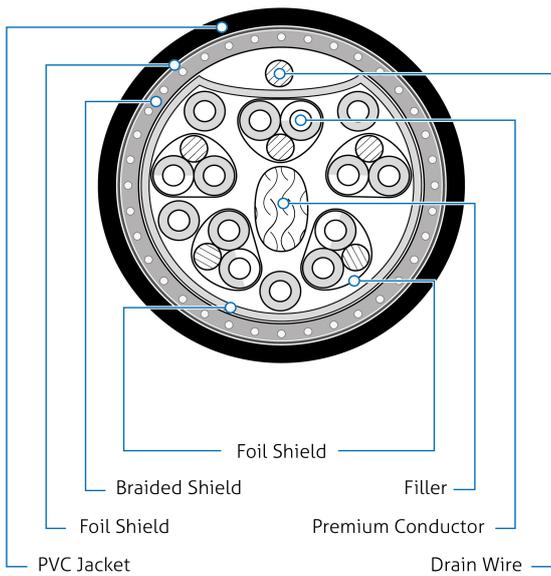
Features	
High Dynamic Range (HDR) technology	Dolby Vision, Dolby Vision IQ, High Dynamic Range (HDR), High Dynamic Range 10 (HDR10), Hybrid Log-Gamma (HLG), Hybrid Log-Gamma Pro (HLG Pro)
Colour space	RGB, YCBCR (4:2:0), YCBCR (4:2:2), YCBCR (4:4:4)
Colour depth	10-bit, 12-bit, 16-bit, 8-bit
Supported digital audio channels (uncompressed)	2.0, 2.1, 32, 5.1, 7.1
Other features	ICS compatible

HDMI	
HDMI version	2.1
Maximum bandwidth (HDMI)	48Gbps
Maximum resolution (HDMI)	7680×4320p
HDCP version	1.4, 2.0, 2.2, 2.3
Consumer Electronics Control (CEC) support	Yes
Audio Return Channel (ARC)	Yes
Enhanced Audio Return Channel (eARC)	Yes
HDMI Ethernet channel	Yes
Extended display identification data (EDID)	Yes
Dolby technologies	Dolby Atmos, Dolby Digital, Dolby Digital DTS, Dolby Digital Plus, Dolby TrueHD, Dolby Vision, DTS, DTS:X, DTS-HD, DTS-HD Master Audio, DTS Neo:X, DTS TruSurround
ATC Certified	No

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 connected cables should be thoroughly qualified prior to installation, and user-accessible cables should be kept to the minimum practical length.

For optimal performance, a maximum 1.5m cable of equal or higher quality should be used on the user-facing side. Female-to-female interface cables inherently introduce a certain level of unavoidable signal loss. The device-side cable should be of fixed-installation quality and capable of transmitting the required bandwidth with a comfortable performance margin. It is recommended that the intended system configuration be tested prior to installation.

Overview

Parent	Item-No.	Cable colour	Cable length
M2-PM1020	M2-PM1020-001	Black	0.10 m
	M2-PM1020-003	Black	0.30 m
	M2-PM1020-005	Black	0.50 m

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v11-2025