



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

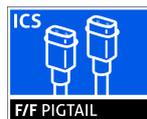
M2-PM1030 – HDMI2.1 Cable Assembly: High-Bandwidth Desk Connectivity for MediaHub2 Integration

The M2-PM1030 HDMI2.1 connection cable is engineered as a precision cable assembly for integration with the mediahub2 desk connection system, supporting demanding AV environments such as meeting rooms, workspaces, and collaborative zones. This unit incorporates ICS (Individual Connection System) compatibility, enabling secure, tool-less attachment to modular interface panels for tailored connectivity. Triple shielding and AWG28 conductors enhance signal integrity, while the SLS (Secure Locking System) locking mechanism provides mechanical stability in fixed installations. Designed for future-ready AV deployments, the M2-PM1030 supports high data rates and reliable performance across diverse professional applications.

- **HDMI2.1 Cable Assembly:** Precision-manufactured to function as a direct interconnect within mediahub2 desk systems, this cable assembly ensures consistent signal transfer and mechanical reliability. Its design supports seamless integration into modular AV panels, addressing the requirements of both fixed and reconfigurable workspace installations.
- **48Gbps Bandwidth, 8K60 Support:** The cable supports HDMI2.1 data rates up to 48Gbps, enabling transmission of video resolutions up to 8K UltraHD-2 at 60Hz. This bandwidth accommodates evolving AV standards, ensuring compatibility with high-resolution displays and future system upgrades in professional environments.
- **ICS and SLS Locking Integration:** Featuring an HDMI-A female to HDMI-A male configuration, this assembly is compatible with ICS modular systems. The SLS (Secure Locking System) mechanism provides a reliable, tool-less locking solution, reducing accidental disconnections and supporting robust connectivity in high-traffic or shared desk areas.
- **Triple Shielded, AWG28 Conductors:** The black cable utilises a triple-shielded structure (Ø7.3mm) with AWG28 conductors, delivering enhanced protection against electromagnetic interference (EMI). This construction maintains signal fidelity and minimises crosstalk, supporting stable performance in electrically noisy AV environments.
- **Shielded Connectors, Gold-Plated Pins:** Both cable ends feature black shielded connectors with gold-plated pins, optimising contact integrity and reducing signal loss over repeated connections. This detail ensures long-term reliability in installations where frequent cable changes or reconfigurations are required.

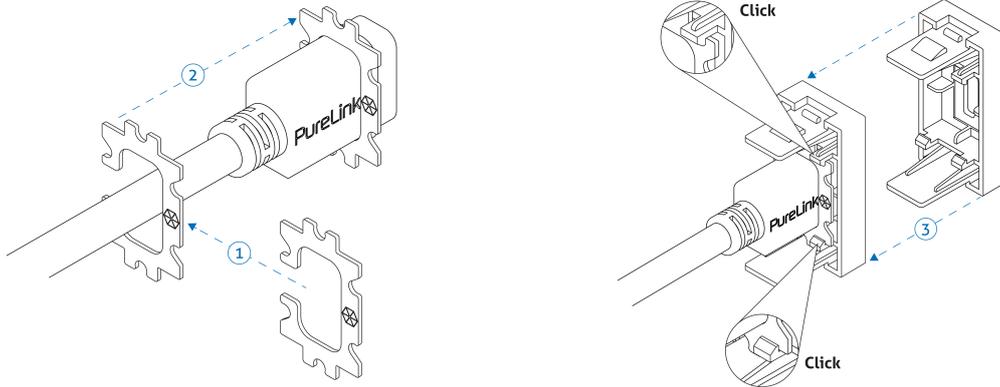
Reliable Desk Connectivity for Professional AV

By combining ICS modularity, high-bandwidth HDMI2.1 support, and advanced shielding, the M2-PM1030 enables stable, future-ready signal transmission for workspace and meeting room integration. This assembly supports AV professionals in deploying secure, high-performance desk connections that address evolving resolution standards and mechanical reliability requirements across diverse installation scenarios.



Features

- HDMI2.1 connection cable. Precision made 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 male with SLS locking. Pairs with the M2-CRV range
- Black triple shielded cable (Ø7.3mm) AWG28 conductors.
- Black shielded connectors with gold plated pins.



Specifications

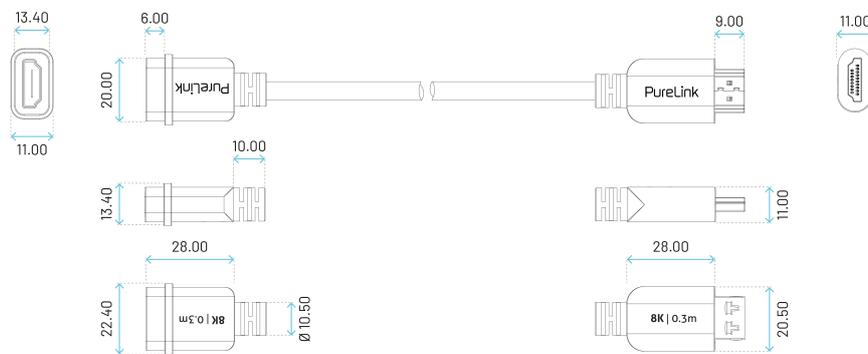
Cable	
Cable jacket material	Polyvinyl Chloride (PVC)
Cable standard	HDMI 2.1
Cable fire class	UL VW-1
Cable length detection	Yes
Cable shape	Round
Cable diameter (mm)	7.3 mm
Cable jacket characteristics	Matte
Cable shielding	Tripple shielded
Shield materials	Aluminium foil (25% overlap) + Mylar layer, 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)	9.8 N/mm ²
Nominal voltage (V)	5 V
Raw Cable Rated voltage	300 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	Male connector
Connector 2 form factor	Straight
Connector 2 lockable	Secure Lock System (SLS)
Connector 2 dimensions (WxDxH) (mm)	20.50 mm x 38.00 mm x 11.00 mm
Connector 2 current (A)	0.5 A
Connector 2 pinout	19+1 (HDMI)
Connector housing material	Polyvinyl Chloride (PVC)
Connector material	Gold-plated, Tin
Connector contacts plating	Gold-plated
Connector shielding	Yes
Connector shield material	Copper tape
Pulling force (kN)	0.01 kN

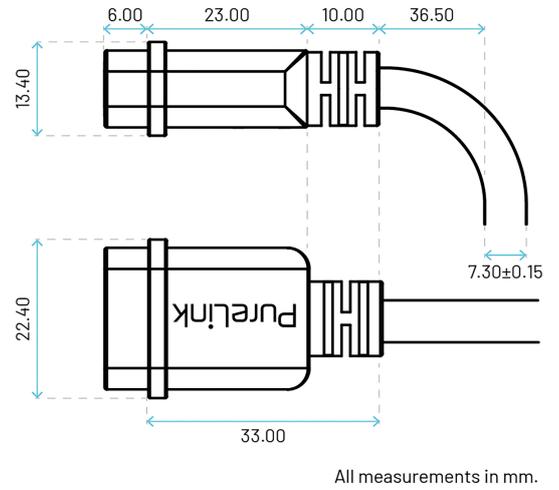
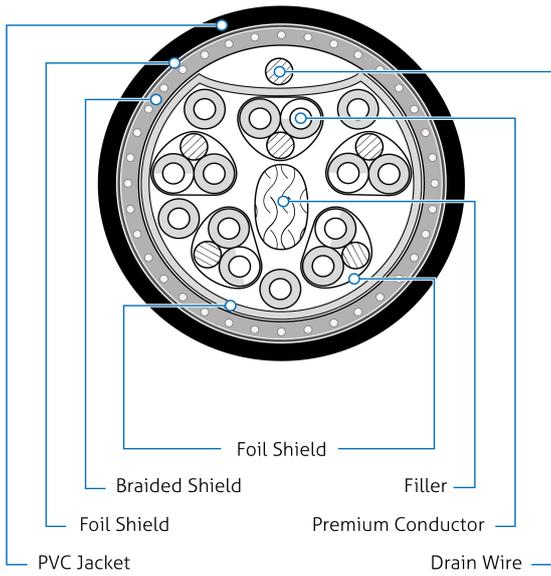
Features	
High Dynamic Range (HDR) technology	Dolby Vision, Dolby Vision IQ, High Dynamic Range (HDR), High Dynamic Range 10 (HDR10), Hybrid Log-Gamma (HLG), Hybrid Log-Gamma Pro (HLG Pro)
Colour space	RGB, YCBCR (4:2:0), YCBCR (4:2:2), YCBCR (4:4:4)
Colour depth	10-bit, 12-bit, 16-bit, 8-bit
Supported 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

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.



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.

Overview

Parent	Item-No.	Cable length	Cable colour
M2-PM1030	M2-PM1030-005	0.50 m	Black
	M2-PM1030-010	1.00 m	Black
	M2-PM1030-020	2.00 m	Black
	M2-PM1030-030	3.00 m	Black

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Contact us at
www.purelink.de

+49 5971 800 299-0
info@purelink.de



PureLink GmbH
 Von-Liebig-Str. 10
 48432 Rheine
 Germany

PureLink UK LTD.
 Carpenter Court, 1 Maple Road
 Bramhall, Stockport - Cheshire SK7 2DH
 United Kingdom

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