



## PI1000 - HDMI High-Speed Cable with Ethernet Channel

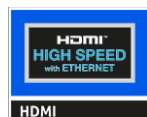
### PI1000 - HDMI 2.0 (HDMI 1.4) Cable: Certified 4K Signal Transmission for Professional AV Integration

The PI1000 HDMI cable is engineered for high-performance AV environments requiring secure, reliable signal transmission over short distances. Featuring a certified High Speed HDMI topology, this cable utilises high purity, tinned OFC copper conductors and triple-layer shielding to minimise electromagnetic interference in electrically complex installations. The 24 kt gold-plated precision contacts incorporate the SLS (Secure-Lock-System), a mechanical retention mechanism designed to prevent accidental disconnections in fixed setups. Suitable for meeting rooms, control rooms, and digital signage, the PI1000 supports advanced HDMI 2.0 (HDMI 1.4) features, ensuring compatibility with modern AV hardware and display systems.

- **HDMI 2.0 – 18Gbps / HDMI 1.4 – 10.2Gbps Bandwidth:** Supports data rates up to 18Gbps (up to 5.00m), enabling video resolutions up to 4K UltraHD at 60Hz (30Hz) with full compliance for 3D, HEAC, ARC, Deep Color, and x.v.Color™. This ensures seamless integration with current-generation AV sources and displays in professional environments.
- **Gold-Plated SLS Contacts:** 24 kt gold-plated precision contacts with PureLink SLS (Secure-Lock-System) provide enhanced conductivity and mechanical stability. The SLS mechanism delivers a secure connection, reducing the risk of accidental unplugging in rack-mounted or fixed AV deployments.
- **HDMI-A Male to HDMI-A Male:** Standard HDMI-A connectors on both ends support direct connectivity between source and display devices. This configuration is suitable for point-to-point installations in conference rooms, workspaces, and control centres.
- **High Purity OFC Copper and Shielding:** Utilises high purity, tinned oxygen-free copper (OFC) conductors with triple shielding to reduce signal degradation and electromagnetic interference. The AWG28 (AWG24 from 7.50m) construction balances flexibility with reliable performance in dense cable management scenarios.
- **100% Tested for Pro AV Use:** Every cable undergoes comprehensive testing to verify electrical and mechanical integrity. This process ensures consistent performance and reliability, meeting the stringent requirements of professional AV applications and installations.

### Reliable Signal Integrity for Demanding Installations

The PI1000 delivers stable 4K HDMI signal transmission, secure mechanical retention, and robust shielding for interference-prone environments. By combining certified HDMI 2.0 (HDMI 1.4) compliance with precision-engineered contacts and comprehensive testing, this unit supports professional AV installers in achieving consistent, high-quality results across meeting spaces, signage, and control room deployments.



## Features

- HDMI 2.0 – 18Gbps (up to 5.00m) / HDMI 1.4 – 10.2Gbps (from 7.50m) for up to 4K UltraHD 60Hz (30Hz)
- Gold-plated precision contacts with PureLink SLS (Secure-Lock-System)
- HDMI-A male to HDMI-A male
- High purity, tinned OFC copper conductors and triple shielding, AWG28 (AWG24)
- 100% tested for professional AV applications

## Specifications

Cable	
Unidirectional	No
Cable jacket material	Polyvinyl Chloride (PVC)
Cable standard	HDMI 2.0b
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 + 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	Oxygen-Free Copper (OFC)
Conductor type	Stranded
Minimum bending radius (flexible use)(mm)	50 mm
Minimum bending radius (fixed installation)(mm)	25.4 mm
Mechanical durability (cycles)	100
Nominal voltage (V)	300 V

Connection	
Connector 1 standard	HDMI
Connector 1	HDMI-A (Standard)
Connector 1 gender	Male connector
Connector 1 form factor	Straight
Connector 1 lockable	Secure Lock System (SLS)
Connector 1 dimensions (WxDxH) (mm)	13.90 mm x 19.30 mm x 4.45 mm
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)	13.90 mm x 19.30 mm x 4.45 mm
Connector 2 pinout	19+1 (HDMI)
Connector housing material	Polyvinyl Chloride (PVC)
Connector material	Nickel - Gold-plated, Brass
Connector contacts plating	Gold-plated, Brass - Gold-plated
Connector shielding	Yes
Connector shield material	Zinc alloy, Brass
Pulling force (kN)	0.04 kN

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

HDMI	
HDMI version	1.3, 1.4, 1.4a, 1.4b, 2.0, 2.0a, 2.0b
Maximum bandwidth (HDMI)	18Gbps
Maximum resolution (HDMI)	4096 x 2160p
HDMI supported features	Auto Downscaling 8K>4K>1080p
HDCP version	1.4, 2.0, 2.2
Consumer Electronics Control (CEC) support	Yes
Audio Return Channel (ARC)	Yes
HDMI Ethernet channel	Yes
Extended display identification data (EDID)	Yes
Dolby technologies	Dolby Digital, Dolby Digital DTS, Dolby Digital Plus, Dolby Vision, DTS, DTS-HD, DTS-HD Master Audio

General Information	
Operating temperature (T-T)(°C)	from 0 °C to 25 °C
Operating relative humidity (H-H) (%)	from 5 % to 95 %
Storage temperature (T-T)(°C)	from 0 °C to 25 °C
Storage relative humidity (H-H)(%)	from 5 % to 95 %
Certification	RoHS, CE

Overview

Parent	Item-No.	Cable length	Cable diameter (mm)	Primary conductor gauge (AWG)	Maximum bandwidth (HDMI)	Connector 1 dimensions (WxDxH)(mm)	Connector 2 dimensions (WxDxH)(mm)
PI1000	PI1000-005	0.50 m	7.3 mm	28	18Gbps	13.90 mm x 19.30 mm x 4.45 mm	13.90 mm x 19.30 mm x 4.45 mm
	PI1000-010	1.00 m	7.3 mm	28	18Gbps	13.90 mm x 19.30 mm x 4.45 mm	13.90 mm x 19.30 mm x 4.45 mm
	PI1000-015	1.50 m	7.3 mm	28	18Gbps	13.90 mm x 19.30 mm x 4.45 mm	13.90 mm x 19.30 mm x 4.45 mm
	PI1000-020	2.00 m	7.3 mm	28	18Gbps	13.90 mm x 19.30 mm x 4.45 mm	13.90 mm x 19.30 mm x 4.45 mm
	PI1000-030	3.00 m	7.3 mm	28	18Gbps	13.90 mm x 19.30 mm x 4.45 mm	13.90 mm x 19.30 mm x 4.45 mm
	PI1000-050	5.00 m	7.3 mm	28	18Gbps	13.90 mm x 19.30 mm x 4.45 mm	13.90 mm x 19.30 mm x 4.45 mm
	PI1000-075	7.50 m	10.5 mm	24	10.2Gbps	13.90 mm x 20.65 mm x 4.45 mm	13.90 mm x 20.65 mm x 4.45 mm
	PI1000-100	10.00 m	10.5 mm	24	10.2Gbps	13.90 mm x 20.65 mm x 4.45 mm	13.90 mm x 20.65 mm x 4.45 mm
	PI1000-150	15.00 m	10.5 mm	24	10.2Gbps	13.90 mm x 20.65 mm x 4.45 mm	13.90 mm x 20.65 mm x 4.45 mm
	PI1000-200	20.00 m	10.5 mm	24	10.2Gbps	13.90 mm x 20.65 mm x 4.45 mm	13.90 mm x 20.65 mm x 4.45 mm
	PI1000-250	25.00 m	10.5 mm	24	10.2Gbps	13.90 mm x 20.65 mm x 4.45 mm	13.90 mm x 20.65 mm x 4.45 mm
	PI1000-300	30.00 m	10.5 mm	24	10.2Gbps	13.90 mm x 20.65 mm x 4.45 mm	13.90 mm x 20.65 mm x 4.45 mm

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