



CAT6a Keystone extension cable for mediahub2 - 10GBase-T, S/FTP, LSZH, zinc diecast keystone

M2-PM1630 - CAT6a Keystone Interconnect Cable: Precision Shielded Connectivity for Desk Integration

The M2-PM1630 is a precision-engineered CAT6a keystone connection cable, purpose-built for integration with the mediahub2 modular desk connection system in professional AV workspaces and meeting environments. This assembly utilises a black S/FTP shielded cable with AWG26 conductors and a low-smoke zero-halogen (LSZH) PE jacket, supporting both high-frequency data transmission and enhanced safety compliance. The cable features a zinc diecast shielded RJ45 keystone female and a shielded male RJ45 with premium strain relief, ensuring mechanical reliability and consistent signal quality. PureLink's ICS (individual connection system) enables secure, toolless installation within modular interface panels, facilitating rapid deployment and future-ready customisation across diverse AV setups.

- **Standards-Compliant Data Transmission:** Certified to ANSI/TIA-568-C.2 and ISO/IEC 11801 Ed 2.2, the cable supports 500 MHz bandwidth for 10GBase-T Ethernet and HDBaseT applications. This ensures compatibility with high-speed network and AV signal distribution in demanding environments such as conference rooms or control spaces.
- **Flexible Keystone Interconnect Design:** The assembly provides an RJ45 keystone female to RJ45 male interconnect, specifically designed to pair with the mediahub2 M2-CRV generic keystone slot cover. This enables streamlined integration into modular desk or podium panels, supporting adaptable workspace connectivity.
- **Shielded S/FTP Construction:** Black S/FTP (shielded foiled twisted pair) cable with AWG26 conductors minimises electromagnetic interference and cross-talk. The LSZH (low-smoke zero-halogen) PE jacket (Ø5.9 mm) enhances safety and cable durability in public or enclosed AV environments.
- **Premium Connector Engineering:** The cable incorporates a zinc diecast shielded female RJ45 keystone and a shielded male RJ45 with gold-plated pins and premium strain relief. This design ensures stable electrical contact and extended connector lifespan under frequent use.
- **Robust Shielded Keystone Modules:** Terminated in a zinc diecast shielded RJ45 keystone with gold-plated pins. Ensures durable mechanical performance and reliable signal integrity, addressing the demands of frequent use in modular AV connection systems.

Reliable Modular Cabling for Professional AV

By combining certified CAT6a performance, robust shielding, and the ICS toolless locking system, the M2-PM1630 serves as a dependable interconnect for modular desk and workspace installations. The cable supports high-bandwidth AV and network applications, while its flexible integration addresses the evolving requirements of professional environments.



Features

- CAT6a Keystone connection cable. A precision made cable assembly for mediahub2's award winning desk connection system.
- ANSI/TIA-568-C.2, ISO/IEC 11801 Ed 2.2 500MHz for 10GBase-T Ethernet and HDBaseT applications
- RJ45 Keystone female to RJ45 male interconnect. Designed to pair with a mediahub2 M2-CRV generic keystone slot cover
- Black S/FTP shielded cable with AWG26 conductors. LSZH (PE) jacket (Ø5.9mm)
- Zinc diecast shielded female RJ45 Keystone / Shielded male RJ45 with premium strain relief and gold plated pins.

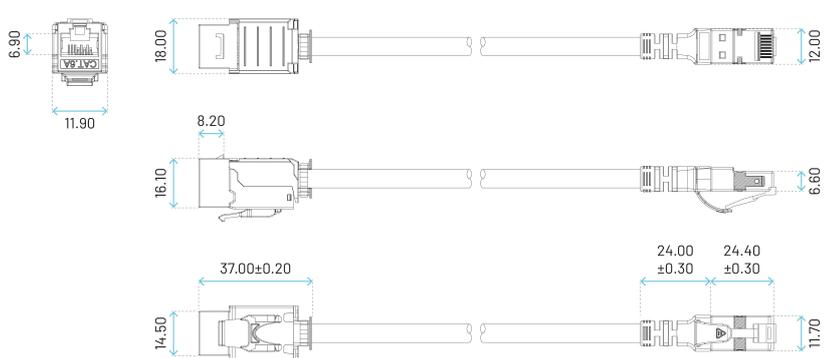
Specifications

Cable	
Cable standard	Cat6a
Cable fire class	IEC 60332-1-2 - flame retardancy
Cable length detection	Yes
Cable colour	Black
Cable shape	Round
Cable diameter (mm)	5.9 mm
Cable jacket characteristics	Matte
Cable jacket material	Low Smoke Zero Halogen Thermoplastic (LSZH)
Cable shielding	S/FTP (S-STP)
Shield materials	Tinned copper braid
Additional cable components	Twisted Pair (Data lines)
Primary conductor gauge (AWG)	26
Conductor material	Copper
Conductor type	Stranded
Minimum bending radius (flexible use)(mm)	47.2 mm
Minimum bending radius (fixed installation)(mm)	23.6 mm
Tensile strength (N/mm ²)	100 N/mm ²
Mechanical durability (cycles)	750
Raw Cable Rated voltage	300 V

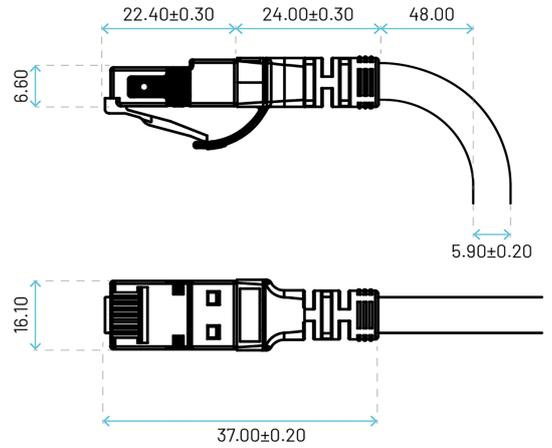
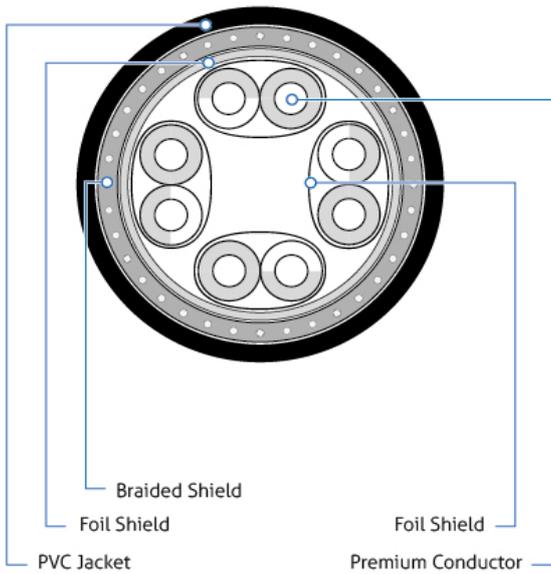
Connection	
Connector 1 standard	T-568B (Cat. wiring standard)
Connector 1	RJ45
Connector 1 gender	Female connector
Connector 1 form factor	Straight
Connector 1 dimensions (WxDxH) (mm)	18.00 mm x 19.50 mm x 37.00 mm
Connector 1 current (A)	1 A
Connector 1 pinout	8P8C (RJ)
Connector 2 gender	Male connector
Connector 2 form factor	Straight
Connector 2 dimensions (WxDxH) (mm)	6.60 mm x 11.70 mm x 46.40 mm
Connector 2 current (A)	1 A
Connector housing material	Zinc alloy
Connector material	Zinc alloy
Connector contacts plating	Gold-plated
Connector shielding	Yes
Connector shield material	Zinc alloy
Pulling force (kN)	0.049 kN

CAT	
Networking standards	IEEE 802.3bt
Ethernet interface type	10 Gigabit Ethernet
Networking cable category	6a
Power over Ethernet (PoE)	PoE++ (802.3bt)
Power over Ethernet (PoE) type supported	Passive PoE
Power consumption (Power over Ethernet (PoE))	90 W
Power over Ethernet (PoE) voltage	55 V

General Information	
Operating temperature (T-T)(°C)	from -10 °C to 60 °C
Operating relative humidity (H-H) (%)	from 30 % to 70 %
Storage temperature (T-T)(°C)	from -40 °C to 60 °C
Storage relative humidity (H-H)(%)	from 50 % to 60 %
Certification	UL, CE, RoHS



All measurements in mm.



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.

Overview

Parent	Item-No.	Cable colour	Cable length
M2-PM1630	M2-PM1630-005	Black	0.50 m
	M2-PM1630-010	Black	1.00 m
	M2-PM1630-020	Black	2.00 m
	M2-PM1630-030	Black	3.00 m
	M2-PM1630-050	Black	5.00 m

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