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

M2-PM1620 – CAT6a S/FTP Keystone Pigtail: Shielded High-Speed Interconnect for Modular Desk Systems

The M2-PM1620 is a precision-engineered CAT6a S/FTP keystone pigtail cable, developed for seamless integration within modular desk connection systems such as mediahub2. Its shielded construction, utilising AWG26 conductors and a low smoke zero halogen (LSZH) jacket, supports reliable high-frequency data transmission in professional AV workspaces and meeting environments. The cable assembly incorporates zinc diecast shielded RJ45 keystone modules with gold-plated pins, ensuring consistent electrical contact and mechanical durability. Designed to pair with the M2-CRV generic keystone slot cover, this unit facilitates tool-free installation via the PureLink ICS (individual connection system), which enables flexible and secure custom connectivity for evolving AV deployments.

- **CAT6a Keystone Pigtail Cable:** This assembly features a high-quality, precision-manufactured CAT6a cable terminated with RJ45 keystone female connectors at both ends. The design is optimised for integration into modular desk or workspace panels, supporting reliable user-device interconnects in professional AV installations.

- **Standards-Based Performance:** Compliant with ANSI/TIA-568-C.2 and ISO/IEC 11801 Ed 2.2 specifications, the cable supports 500 MHz bandwidth for 10GBase-T Ethernet and HDBaseT applications. This level of standardisation ensures interoperability and future-proofing in high-speed data and AV signal environments.

- **Dual RJ45 Keystone Connectivity:** The pigtail utilises RJ45 keystone female connectors on both ends, facilitating straightforward integration with modular interface panels. This configuration is designed for compatibility with the mediahub2 M2-CRV generic keystone slot cover, streamlining installation and maintenance in flexible AV setups.

- **Shielded S/FTP Cable Construction:** The black S/FTP cable employs AWG26 conductors and a LSZH (PE) jacket with a 5.9 mm diameter. Comprehensive shielding minimises electromagnetic interference, supporting stable data transmission in electrically dense environments such as meeting rooms and control spaces.

- **Robust Shielded Keystone Modules:** Both ends terminate in zinc diecast shielded RJ45 keystone modules with gold-plated pins. This configuration ensures durable mechanical performance and reliable signal integrity, addressing the demands of frequent use in modular AV connection systems.

Reliable Modular Connectivity for Professional AV

By combining shielded cable construction, standards-based performance, and the PureLink ICS tool-free locking concept, the M2-PM1620 supports secure, high-speed connectivity in modular workspace and meeting room environments. This unit provides a flexible solution for custom AV integration, addressing installation efficiency and long-term reliability requirements in evolving professional deployments.

Features

- CAT6a Keystone pigtail cable. A high quality 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 Keystone female pigtail. 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)
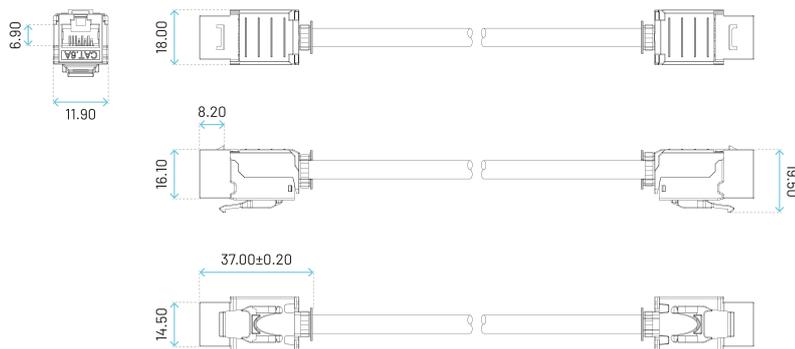- Zinc diecast shielded female RJ45 Keystones with gold plated pins.

Specifications

Cable	
Cable standard	Cat6a
Cable fire class	IEC 60332-1-2 - flame retardancy
Cable length detection	Yes
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)
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

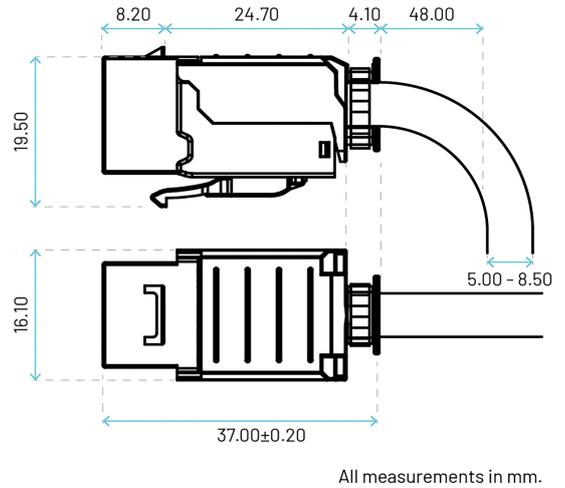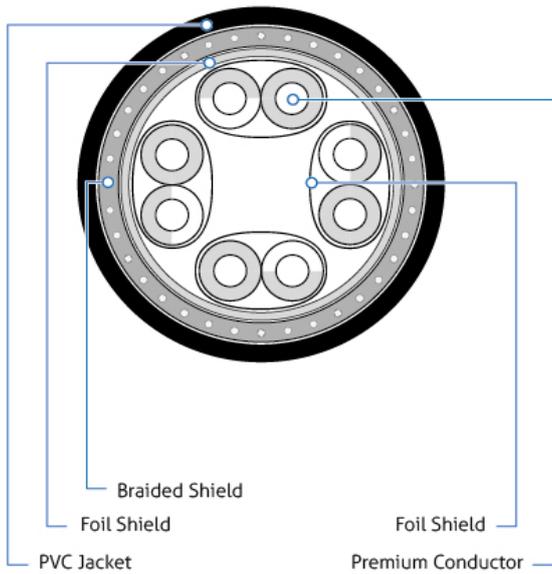| Connection	
Connector 1 standard	T-568B (Cat. wiring standard)
Connector 1	RJ45
Connector 1 gender	Female connector
Connector 1 form factor	Straight
Connector 1 dimensions (WxDxH) (mm)	18.00 mm x 19.50 mm x 37.00 mm
Connector 1 current (A)	1 A
Connector 1 pinout	8P8C (RJ)
Connector 2 gender	Female connector
Connector 2 form factor	Straight
Connector 2 dimensions (WxDxH) (mm)	18.00 x x 19.50 x x 37.00 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

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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.

Braided Shield

Foil Shield

Foil Shield

PVC Jacket

Premium Conductor

8.20 24.70 4.10 48.00

19.50

16.10

5.00 – 8.50

37.00±0.20

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.**

Female-to-female interface cables inherently introduce a certain level of unavoidable signal loss. Cables 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.

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Overview

Parent	Item-No.	Cable colour	Cable length
M2-PM1620	M2-PM1620-001	Black	0.10 m
	M2-PM1620-003	Black	0.30 m
	M2-PM1620-005	Black	0.50 m

PureLink

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