

DATA SHEET



35ft HDBaseT Certified Cat6a Cable with Discontinuous Shielding - Plenum CMP-Rated - Blue

HDBaseT certified cable designed for HD A/V applications from HDBaseT extenders

OVERVIEW

This Snagless Discontinuous Shielded Cat6a patch cable is ideal for use with HD A/V applications from HDBaseT extenders and Power over Ethernet (PoE) applications requiring higher levels of current. The HD A/V application is perfect for conference rooms and digital signage where greater distance requirements are needed between a source and a display. Each patch cable is fully tested to meet ANSI/TIA 568 C.2 Cat6a channel requirements. These cables have been tested and validated to guarantee they consistently meet the highest industry performance and safety standards.

The uniquely designed Isolation Wrap contains discontinuous sections of metallized material, held in place by a polymeric layer. These cables have a nominal 0.265" diameter that allows for higher cable density and smaller bend radius than other Cat6a cable products. These cables are also designed for Power over Ethernet (PoE) applications type 1-4 according to IEEE 802.3bt draft D1.2.

These cables have discontinuous metallic shielding elements surrounding the inner 4-pair core of the cable. The effect of this approach is to attenuate both electromagnetic signals that emanate from the cable core and the potentially interfering electromagnetic signals that are generated by other sources. The metallic shielding elements are designed to be discontinuous to avoid any need for grounding, which is a requirement for shielded cable designs, and have been shown to provide superior Alien Crosstalk performance in comparison to conventionally designed Category 6A UTP cables.

FEATURES

- Discontinuous shielding avoids need for grounding
- HDBaseT Class A and B certified
- Designed to support up to 10 Gigabit data transmission
- Snagless design for high density applications

ITEM DESCRIPTION

43171	35ft HDBaseT Certified Cat6a Cable with Discontinuous Shielding-Plenum CMP-Rated - Blue
43172	50ft HDBaseT Certified Cat6a Cable with Discontinuous Shielding-Plenum CMP-Rated - Blue
43173	75ft HDBaseT Certified Cat6a Cable with Discontinuous Shielding-Plenum CMP-Rated - Blue
43174	100ft HDBaseT Certified Cat6a Cable with Discontinuous Shielding-Plenum CMP-Rated - Blue
43175	150ft HDBaseT Certified Cat6a Cable with Discontinuous Shielding-Plenum CMP-Rated - Blue
43176	200ft HDBaseT Certified Cat6a Cable with Discontinuous Shielding-Plenum CMP-Rated - Blue
43177	250ft HDBaseT Certified Cat6a Cable with Discontinuous Shielding-Plenum CMP-Rated - Blue
43178	300ft HDBaseT Certified Cat6a Cable with Discontinuous Shielding-Plenum CMP-Rated - Blue

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SPECIFICATIONS:

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PHYSICAL SPECIFICATIONS:

- Cable type: Solid Non-Continuous FTP
- Wiring scheme: 568B
- Temperature rating: 75°C
- Testing: ANSI/TIA 568 C.2 Cat6a channel tested

Conductor (4 pair)

- Conductor type: 23AWG (0.57mm) (solid annealed copper)
- Insulation: CMP: FEP
- Characteristic Impedance: 100[OHM] ± 15

Overall cable

- Separator Cross-web
- Isolation Wrap: Proprietary construction
- Jacket: CMP: FR, low smoke PVC
- Performance Compliance: UL 444, CSA C22.2 No. 214-08, UL 1666, NFPA 262, ANSI/TIA-568-C.2, Article 800, NEC (NFPA 70), HDBaseT Class A and B
- NRTL Programs: UL Verified CAT 6A, UL, c(UL) Listed CMR, UL, c(UL) Listed CMP, HDBaseT Certified
- Sustainability: UL Certified EPD, HPD, Multi-Attribute Certification, USGBC® Member, RoHS-compliant/RoHS 2-compliant, REACH-compliant

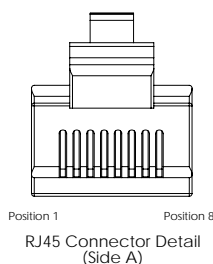
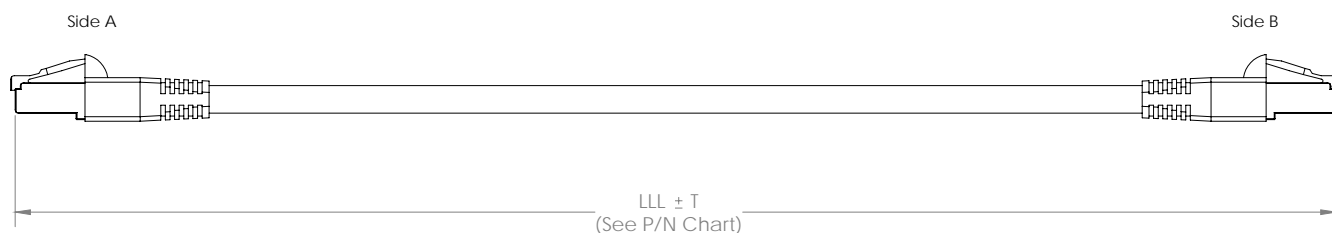
Connector

- Connector Type: RJ-45 Male
- Housing: Polycarbonate,
- Contacts: 50µm gold plated
- Hood: Molded Snagless PVC
- Dimension (L x W x H): 38.2 x 11.6 x 15.1mm

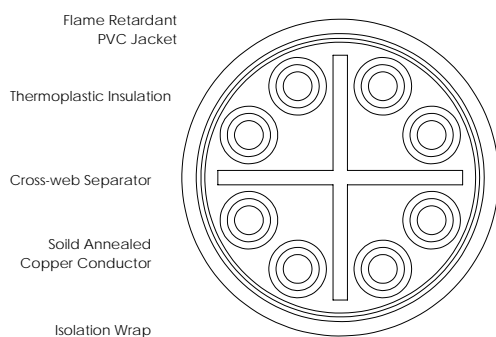
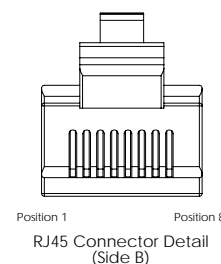
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Pin-out Chart (568B)		
RJ45 (Side A)	Position	RJ45 (Side B)
White/Orange	1	White/Orange
Orange	2	Orange
White/Green	3	White/Green
Blue	4	Blue
White/Blue	5	White/Blue
Green	6	Green
White/Brown	7	White/Brown
Brown	8	Brown



Specifications:

Pair Count:	4
Conductor:	Solid annealed copper
AWG (mm)	23 (0.57)
Insulation:	CMP: FEP
Insulation Colors:	Pair 1: Color Tip Light Blue, Blue Pair 2: Color Tip Light Orange, Orange Pair 3: Color Tip Light Green, Green Pair 4: Color Tip Light Brown, Brown
Separator:	Cross-web
Isolation Wrap:	Proprietary construction
Jacket:	CMP: FR, low smoke PVC
Characteristic Impedance (Ohms):	100 +/- 15
Velocity of Propagation (%):	CMP 71
Performance Compliance:	UL 444 CSA C22.2 No. 214-08 UL 1666 NFPA 262 ANSI/TIA-568-C.2 Article 800, NEC (NFPA 70) HDBaseT Certified

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