LANmark-6A UTP Keystone Connector

LANMARK-6A KEYSTONE CONNECTOR CATEGORY 6A UNSCREENED

Aginode Ref: N420.216

- Fully compliant with Category 6A standards
- Unscreened design
- Tool-less termination
- Keystone format
- POE++ Compliant



STANDARDS

ANSI/TIA 568.2-D
IEC 60603-7-41
ISO/IEC 11801

Application

The LANmark-6A unscreened keystone connector has been designed to support the higher frequencies required for 10 Gigabit Ethernet, whilst maintaining full backwards compatibility with lower speed applications.

The connector is manufactured and tested to the latest Category 6A specifications of the European, International and American standards and meets the quality and performance criteria needed to support all applications up to 500 MHz.

- 10Base-T Ethernet
- 100Base-TX Fast Ethernet
- 1000Base-TX Gigabit Ethernet
- 10GBase-T 10 Gigabit Ethernet
- 155 Mbit ATM
- 1.2 Gbit ATM
- future Cat 6A and Class EA applications

Design

Aginode LANmark-6A unscreened connector features a noise immunity rear cover which ensures the stringent internal and Alien Crosstalk requirements for Category 6A are met.

The connector format is designed to perfectly match Aginode staggered keystone patch panel (N521.6671BK) and keystone outlet modules (available in a variety of UK, EU and US styles), whilst offering compatibility with keystone format structural hardware available in the marketplace. *(Please check compatibility with Aginode before using 3rd party structural hardware)*

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

The connector accepts all Category 6A unshielded cables with solid wire from 26 to 23 AWG but is designed to be used with LANmark-6A UTP horizontal cable for optimum performance.

In configurations with cross-connect and consolidation points, the same connector can be used to be terminated on stranded wire down to 26 AWG diameter.

Performance

With guaranteed performance to 500 MHz, Aginode LANmark-6A unscreened keystone connector meets the requirements of the International, European and American connector and cabling standards for Category 6A as specified in IEC 60603-7-41, EN 50173-1 and TIA568.2-D.

Systems built with LANmark-6A UTP connectors and cable, in conjunction with the LANmark staggered patch panel and using LANmark-10G patch cords (including for Cross Connects and Consolidation Points), support 10GBase-T applications as defined in IEEE802.3an and meet the link and channel requirements for Category 6A and Class EA as specified in TIA/EIA 568.2-D and ISO/IEC 11801 including all alien crosstalk related parameters.

Installation

The LANmark-6A UTP connector allows straightforward and reliable installation without the need for a special tool. Detailed installation instructions are supplied with every box of 24 connectors.

Guarantees

Installations with LANmark-6A UTP cable and connectivity qualify for a 25 year Class EA Channel warranty when used in combination with LANmark-10G patch cords and staggered patch panels.

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Freq in MHz	Attn in dB	NEXT in dB	PSNEXT in dB	ACR-F in dB	PS ACR-F in dB	PS ANEXT in dB	PS AACR-F in dB	RL in dB
1	2,3	65,0	62,0	63,3	60,3	67,0	64,7	19,0
4	4,2	63,0	60,5	51,2	48,2	67,0	64,7	19,0
10	6,5	56,6	54,0	43,3	40,3	67,0	57,0	19,0
16	8,2	53,2	50,6	39,2	36,2	67,0	52,9	18,0
20	9,2	51,6	49,0	37,2	34,2	67,0	51,0	17,5
31,25	11,5	48,4	45,7	33,4	30,4	65,1	47,1	16,5
62,5	16,4	43,4	40,6	27,3	24,3	62,0	41,1	14,0
100	20,9	39,9	37,1	23,3	20,3	60,0	37,0	12,0
155	26,3	36,7	33,8	19,5	16,5	57,1	33,2	10,1
200	30,1	34,8	31,9	17,2	14,2	55,5	31,0	9,0
250	33,9	33,1	30,2	15,3	12,3	54,0	29,0	8,0
300	37,4	31,7	28,8	13,7	10,7	52,8	27,5	7,2
500	49,3	27,9	24,8	9,3	6,3	49,5	23,0	6,0

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LANmark-6A Keystone Connector Category 6A Unscreened

Characteristics

Construction characteristics	
Connector type	RJ45 and Tool-less IDC
Screen	No
Dimensional characteristics	
Depth	35.85 mm
Height	21.4 mm
Width	17.3 mm
Usage characteristics	
Ambient installation temperature, range	-10...60 °C
Operating temperature, range	-20...60 °C
Range	LANmark-6A
Storage temperature, range	-20...60 °C

Documentation

Freetable Essential-6A UTP-Channel_2.xlsx xlsx — 10.58 KB Download

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