LANmark-10G Patch Cords

LANMARK-10G PATCH CORD CAT 6A SCREENED LSZH 2M ORANGE



Aginode Ref: N10G.P1B020OK

- High speed RJ45 patch cord to run 10GBase-T and future Cat6A applications
- High Density support : 48 cords on 1 height unit
- Frequency range up to 500MHz
- Retrofit Latch Protector available in 8 colours for colour coding

Application

LANmark-10G patch cords are developed to support 10 Gigabit Ethernet (IEEE 802.3an) and any other future Cat.6A application. They offer steady performance up to 500MHz and are matched with other LANmark-10G components to provide improved data throughput in channel configurations. 10G cords use stranded cable and as such provide maximum system flexibility for the use at Cross Connects and Consolidation points.

LANmark-10G Cords feature a slim boot for mechanical protection, which is kept inside the RJ45 boundaries to enable High Density Patching with 48 cords in 1 height unit. They also come with a ‘Replaceable’ Latch Protector, which can be used for colour coding of different services.

Performance

The LANmark-10G Patch cords fully meet the requirements of EIA/TIA-568-C.2 and ISO11801 and enable to achieve Cat 6A channels.

Usage

- The cords are by design Alien Crosstalk compliant, so no special installation rules need to be taken into account for ANEXT and AFEXT compliance.
- 1, 2, 3, 5, 10m are standard lengths available from stock, other lengths are available on demand.

STANDARDS

ANSI/TIA-568-C.2
EN 50173-1
IEEE 802.3an
ISO/IEC 11801
ISO/IEC TR24750
TIA/EIA TSB-155

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- Standard jacket colour is orange. Other colours are available on demand.
- Default Plug Configuration is a black boot with a preinstalled black latch protector.

Electrical performance LANmark-10G Class EA Channel

Freq (MHz)	Attn (dB)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)	PS ACR-F (dB)	PS ANEXT (dB)	PS AACR-F (dB)	RL (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-10G Patch Cord Cat 6A Screened LSZH 2m Orange

Characteristics

Construction characteristics	
Colour	Orange
Screen	Yes
Outer sheath	LSZH
Dimensional characteristics	
Nominal outer diameter (mm)	6.0 mm
Electrical characteristics	
Characteristic impedance	100 Ohm
Usage characteristics	
Range	LANmark-10G
Field of application	Indoor
Length	2 m
Category	Cat. 6A
Flame retardant	IEC 60332-1
Component function	Patchcord
Packaging	Box of 50 items
Mechanical durability/matings	750

Documentation

10G channel unformatted_3.xlsx xlsx — 9.74 KB Download

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