# LANmark-10G Patch Cords

**LANMARK-10G PATCH CORD CAT 6A SCREENED LSZH 5M ORANGE**



**Aginode Ref:** N10G.P1B050OK

- 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.

## STANDARDS

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

## 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.

*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.*

- 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 5m 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 | 5 m |
| Category | Cat. 6A |
| Flame retardant | IEC 60332-1 |
| Component function | Patchcord |
| Packaging | Box of 25 items |
| Mechanical durability/matings | 750 |

### Documentation

10G channel unformatted_3.xlsx xlsx — 9.74 KB Download

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