# LANmark-6A 28AWG Slimflex Uniboot Patch Cords

**LANMARK-6A 28AWG SLIMFLEX PATCH CORD F/UTP CAT 6A RJ45 LSZH WHITE 0.5M**

**Aginode Ref:** N1SA.P1B005WK

- 43% Space Saving with reduced outer diameter cable
- Slim & Flexible to be used in dense Patching Zones for Enterprise and Datacentres or Meeting Rooms
- Soild conductor
- High speed RJ45 patch cord to run 10GBase-T and future Cat6A applications
- Screened design for reduced Crosstalk immunity
- Up to 2 x 3m cords can be added to 90m links
- Retrofit Latch Protector available in 8 colours for colour coding
- PoE Compatibility:POE/POE+/POE++



## STANDARDS

ANSI/TIA 568.2-D
EN 50173-1
IEEE 802.3an
ISO/IEC 11801
ISO/IEC TR24750
TIA/EIA TSB-155

## Application

LANmark-6A Slimflex cords are designed to support 10 Gigabit Ethernet and other Cat.6A/Class EA applications in high density environments. They are specified to 500MHz and are matched with LANmark-6A cable and connectors to provide full Cat.6A/Class EA Channel configurations.

Due to their thin AWG28 soild conductors and small outer diameter Typical 4.5mm Slimflex cords offer increased flexibility and can save up to 43% space compared to regular Category 6A patch cords.

Equipped with a slim but robust boot with long latch protector, Slimflex cords support high density patching whilst facilitating easy cord removal. The prefitted black latch protector is removable and can be replaced with a coloured version, allowing colour coding of different services or applications.

## Performance

LANmark-6A Slimflex cords, in conjunction with LANmark-6A cable and connectors, support all Cat.6A/Class EA Channel configurations, as specified in TIA-568.2-D and ISO 11801, up to a total channel length of 96m, with 90m horizontal cable and max. 3m cords at either end.

*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.*

Longer lengths of Slimflex cords can be supported, if the horizontal cable length is reduced according to an insertion loss ratio of 1.95, with a maximum combined length of 15m Slimflex cords.

## Guarantees

When installed in combination with LANmark-6A cable and connectors, a 25 years Channel warranty can be obtained, covering full 10GBase-T support and Class EA compliance.

## Usage

- Outer jacket is LSZH, standard colour is White. Other colours are available on request.
- Standard lengths are 1, 2, 3 and 5m. Other lengths are available on request.
- Up to 3m Slimflex cords at either end will support full Cat.6A/Class EA Channel performance. Up to 15m combined length of Slimflex cords can be supported in Channel configurations when reducing the horizontal cable length according to a 1.95 derating factor. Details on supported length configurations can be found in our LANmark-6A Design Guidelines.

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## Characteristics

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| **Construction characteristics** | |
| Colour | White |
| Outer sheath | LSZH |
| Screen | Yes |
| Type of cable | F/UTP |
| **Dimensional characteristics** | |
| Conductor cross-section (AWG/KCMIL) | 28 |
| Nominal outer diameter (mm) | 4.5 mm |
| **Electrical characteristics** | |
| Characteristic impedance | 100 Ohm |
| Conductor electrical resistance | 23.6 Ohm/km |
| **Usage characteristics** | |
| Category | Cat. 6A |
| Component function | Patchcord |
| Field of application | Indoor |
| Flame retardant | IEC 60332-1 |
| Length | 0.5 m |
| Mechanical durability/matings | 750 |
| Range | LANmark-6A |

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