

LANmark-6 UniBoot Patch Cords

LANMARK-6 PATCH CORD CAT 6 UNSCREENED LSZH 5M GREY

Aginode Ref: N116.P1A050DK

- Complies fully with Category 6 standards
- Uses Aginode cable technology
- Fully matched with other components for maximum performance
- LSZH Flame retardant jacket
- Retrofit Latch Protector available in 8 colours for colour coding

Application

LANmark-6 Patch Cords can be used to deliver a full end-to-end Class E solution.

They provide improved data throughput and allow for the inclusion of a cross-connect or Consolidation Points for maximum system flexibility. They will also maximise the lifetime and long term performance of the system by minimising the risk of wear & tear damage which can be caused by using non-matched cords. .

LANmark-6 Cords feature a slim over-moulded boot which is kept inside the RJ45 boundaries to enable High Density Patching with 48 cords in 1 height unit. They also come with a Retrofit Latch Protector, which can be used for colour coding of different services.

Guarantees

When installed in combination with other LANmark-6 components, a 25 years channel warranty can be obtained, covering full Cat 6/Class E compliance.

Installation

- Small cross section allows neat installation and simplifies the creation of bundles in cabinets.
- A Low Smoke Zero Halogen - Flame Retardant jacket is standard.
- 1, 2, 3, 5, 10 and 20m are standard lengths; other lengths are available on demand.



STANDARDS

ANSI/TIA-568-C.2
EN 50173 Ed.1
ISO/IEC 11801

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- Orange and Dark Grey are standard colours available from stock; other colours are available on demand.
- Default Plug configuration is a black boot with a preinstalled black latch protector; other combinations available on request.

Electrical Performance LANmark-6 100m 4 connector channel

| Freq | Attn dB | | NEXT dB | | PSNEXT dB | | ELFEXT dB | | PS ELFEXT dB | | PS ANEXT dB | | PS AELFEXT dB | | RL dB | |
|-------|------------|------|------------|------|--------------|------|--------------|------|-----------------|------|----------------|------|------------------|------|----------|------|
| | Std | Typ | Std | Typ | Std | Typ | Std | Typ | Std | Typ | Std | Typ | Std | Typ | Std | Typ |
| 1 | 4,0 | <4 | 65,0 | >75 | 62,0 | 74,8 | 63,3 | >60 | 60,3 | >60 | 80,0 | >90 | 77,0 | >90 | 19,0 | 21,0 |
| 4 | 4,2 | 4,1 | 63,0 | 66,5 | 60,5 | 65,0 | 51,2 | 58,2 | 48,2 | 58,2 | 74,0 | >90 | 65,0 | 80,9 | 19,0 | 21,0 |
| 10 | 6,6 | 6,4 | 56,6 | 60,1 | 54,0 | 58,5 | 43,3 | 50,3 | 40,3 | 50,3 | 70,0 | >90 | 57,0 | 72,9 | 19,0 | 21,0 |
| 16 | 8,3 | 8,1 | 53,2 | 56,7 | 50,6 | 55,1 | 39,2 | 46,2 | 36,2 | 46,2 | 68,0 | 90,0 | 52,9 | 68,8 | 18,0 | 20,0 |
| 20 | 9,3 | 9,1 | 51,6 | 55,1 | 49,0 | 53,5 | 37,2 | 44,2 | 34,2 | 44,2 | 67,0 | 89,0 | 51,0 | 66,9 | 17,5 | 19,5 |
| 31.25 | 11,7 | 11,4 | 48,4 | 51,9 | 45,7 | 50,2 | 33,4 | 40,4 | 30,4 | 40,4 | 65,1 | 87,1 | 47,1 | 63,0 | 16,5 | 18,5 |
| 62.5 | 16,9 | 16,3 | 43,4 | 46,9 | 40,6 | 45,1 | 27,3 | 34,3 | 24,3 | 34,3 | 62,0 | 84,0 | 41,1 | 57,0 | 14,0 | 16,0 |
| 100 | 21,7 | 20,8 | 39,9 | 43,4 | 37,1 | 41,6 | 23,3 | 30,3 | 20,3 | 30,3 | 60,0 | 82,0 | 37,0 | 52,9 | 12,0 | 14,0 |
| 155 | 27,6 | 26,2 | 36,7 | 40,2 | 33,8 | 38,3 | 19,5 | 26,5 | 16,5 | 26,5 | 57,1 | 79,1 | 33,2 | 49,1 | 10,1 | 12,1 |
| 200 | 31,7 | 30,0 | 34,8 | 38,3 | 31,9 | 36,4 | 17,2 | 24,2 | 14,2 | 24,2 | 55,5 | 77,5 | 31,0 | 46,9 | 9,0 | 11,0 |
| 250 | 35,9 | 33,8 | 33,1 | 36,6 | 30,2 | 34,7 | 15,3 | 22,3 | 12,3 | 22,3 | 54,0 | 76,0 | 29,0 | 44,9 | 8,0 | 10,0 |

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LANmark-6 Patch Cord Cat 6 Unscreened LSZH 5m Grey

Characteristics

Construction characteristics

| | |
|--------------|------|
| Colour | Grey |
| Outer sheath | LSZH |

Dimensional characteristics

| | |
|-----------------------------|--------|
| Number of pairs | 4 |
| Nominal outer diameter (mm) | 6.0 mm |

Electrical characteristics

| | |
|-----------------------------|---------|
| Maximal operating frequency | 250 MHz |
| Characteristic impedance | 100 Ohm |

Mechanical characteristics

| | |
|---------------------|------|
| Abrasion resistance | High |
|---------------------|------|

Usage characteristics

| | |
|-------------------------------|-------------|
| Range | LANmark-6 |
| Field of application | Indoor |
| Length | 5 m |
| Operating temperature, range | -20...60 °C |
| Category | Cat. 6 |
| Flame retardant | IEC 60332-1 |
| Component function | Patchcord |
| Packaging | Box |
| Mechanical durability/matings | 750 |

Documentation

Copy of Electrical Performance LANmark-6 100m 4 connector channel_1_300614_1_1.xls xls — 23.5 KB [Download](#) ↓

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