

Essential-6 Patch Cords

ESSENTIAL-6 PATCH CORD UTP CAT 6 LSZH ORANGE 1M

Aginode Ref: N101.21E00

- Compliant with latest Category 6 standards
- Unscreened
- Orange LSZH
- Orange slimline boot with bend relief
- 1m length

Application

The Aginode Essential-6 patch cords are manufactured and tested to the latest Category 6 specifications and support Class E applications up to 250 MHz. They are matched with the complete Essential-6 range in order to deliver a full end-to-end Class E Channel.

Design

The Essential-6 patch cords contain a central PE cross member, keeping the pairs in place and reducing the risk of losing performance when bending the cords. Available in standard lengths of 1, 2, 3 and 5m, each cord is individually bagged and carries a traceability code.

Performance

The Essential-6 cords are compliant with the specifications of ISO/IEC 11801 and EN 50173.

Installation

Thanks to their small outer diameter, the Essential-6 cords are easy to install and manage in a rack.



STANDARDS

ISO/IEC 11801

| Frequency MHz | Insertion Loss dB/100m | NEXT PP dB | PS NEXT dB | ACR dB/100m | PS ACR dB/100m | ELFEXT dB/100m | PSELFEXT dB/100m | Return Loss dB |
|---------------|------------------------|------------|------------|-------------|----------------|----------------|------------------|----------------|
| 1 | 4,0 | 65,0 | 62,0 | 65,0 | 62,0 | 63,3 | 60,3 | 19,0 |
| 4 | 4,2 | 63,0 | 60,5 | 58,9 | 56,4 | 51,2 | 48,2 | 19,0 |
| 10 | 6,6 | 56,6 | 54,0 | 50,0 | 47,4 | 43,3 | 40,3 | 19,0 |
| 16 | 8,3 | 53,2 | 50,6 | 44,9 | 42,3 | 39,2 | 36,2 | 18,0 |
| 20 | 9,3 | 51,6 | 49,0 | 42,3 | 39,7 | 37,2 | 34,2 | 17,5 |
| 31,25 | 11,7 | 48,4 | 45,7 | 36,7 | 34,0 | 33,4 | 30,4 | 16,5 |
| 62,5 | 16,9 | 43,4 | 40,6 | 26,5 | 23,7 | 27,3 | 24,3 | 14,0 |
| 100 | 21,7 | 39,9 | 37,1 | 18,2 | 15,4 | 23,3 | 20,3 | 12,0 |
| 155 | 27,6 | 36,7 | 33,8 | 9,1 | 6,2 | 19,5 | 16,5 | 10,1 |
| 200 | 31,7 | 34,8 | 31,9 | 3,1 | 0,1 | 17,2 | 14,2 | 9,0 |
| 250 | 35,9 | 33,1 | 30,2 | -2,8 | -5,8 | 15,3 | 12,3 | 8,0 |

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.

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Characteristics

Construction characteristics

| | |
|--------------|--------|
| Outer sheath | LSZH |
| Screen | UTP |
| Colour | Orange |

Electrical characteristics

| | |
|--------------------------|---------|
| Characteristic impedance | 100 Ohm |
|--------------------------|---------|

Usage characteristics

| | |
|--------------------|-------------|
| Category | Cat. 6 |
| Range | essential-6 |
| Component function | Patchcord |
| Length | 1 m |
| Flame retardant | IEC 60332-1 |

Documentation

Freetable Ess6 channel.xls xls — 14 KB [Download](#) ↓