

# 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

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## Characteristics

### Construction characteristics

Outer sheath	LSZH
Screen	UTP
Colour	Orange

### Electrical characteristics

Characteristic impedance	100 Ohm
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### 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](#) ↓