



## Ethernet Patch Cord U/UTP Cat 6 PVC, white

Preconnected Ethernet patch cord with RJ45 connector at each end. It is made of a Category-6 data cable, U/UTP type, with a flexible copper inner conductor 24 AWG and outer sheath made of white PVC.

<b>Ref.</b>	209004
<b>Logical ref.</b>	PK6P3W-T
<b>EAN13</b>	8424450221952

### Other features

<b>Colour</b>	White
<b>Length</b>	3.00 m

### Packaging info

<b>Bag</b>	1 pcs.
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### Physical data

<b>Net weight</b>	116.00 g
<b>Gross weight</b>	116.00 g
<b>Width</b>	12.00 mm
<b>Height</b>	3,010.00 mm
<b>Depth</b>	10.00 mm

### Highlights

- Category-6 data cable
- U/UTP Cable
- Flexible copper inner conductor (24 AWG)
- Compatible with PoE/PoE+ (Power over Ethernet) technology, allowing the cable to power network devices
- PE (Polyethylene) copper conductor insulation, 1.1 mm diameter

- Aluminium+polyester shielding foil
- Aluminium outer shielding braid
- Grey LSFH (Low Smoke Free Of Halogen) outer sheath, 0.59 mm thick and 6.2 mm diameter
- 79% nominal speed
- RJ45 connectors with gold plated connector ends with shell nickel plated

## Discover

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### Category 6

Data cable category Cat 6 complies with the standard for Gigabit Ethernet and it is backwards compatible, with the standards of the inferior categories (Cat 5/5e and Cat 3). Category 6 evolves over category 5E, allowing to achieve transmission frequencies of up to 250 MHz (in each pair) and 1 Gbps of throughput. It includes characteristics and specifications to avoid crosstalk and noise. This type of data cable can be used in 10BASE-T, 100BASE-T and 1000BASE-T (Gigabit Ethernet) compliant systems.

Our category 6 cables are characterized:

- Comply with TIA/EIA-568B.2-1
- Crucifix type padding
- Transfer rate up to 1Gbps
- Frequency range of up to 250 MHz and up to 400MHz in some references
- Includes rip cord to make it easier to strip the cable
- Nominal impedance of 100 ohms
- Maximum resistance per conductor below 9.38 ohms/100m

The RJ45 is a connector commonly used in structured cable networks. With up to 8 connection pins, it is adequate both for data networks (8 pairs), as well as telephone networks (2 pairs). It is usually used in networks compliant with standards TIA/EIA-568-B.

## Technical specifications : Ref. 209004

Type															U/UTP
Categorie															Cat 6
Transmission bandwidth															250MHz
Transfer rate															1Gbps
Conductor Diameter	mm														0.18
Conductor Material															Flexible copper
Conductor type AWG															24
Conductor isolation Diameter	mm														0.96
Conductor isolation Material															Polyethylene
Crucifix filler															Yes
Outer sheath Diameter	mm														5.7
Outer sheath Material															PVC
Outer sheath Thickness	mm														0.62
Rip cord															No
Data connector type															RJ45
Spark Test	Vac														3000
Nominal impedance	$\Omega$														100
Conductor resistance	$\Omega$ /km														< 117
Nominal speed	%														72
Working voltage	V														300
Operating temperature	$^{\circ}$ C														-30 ... 70
Frequencies		1 MHz	4 MHz	8 MHz	10 MHz	16 MHz	20 MHz	25 MHz	31.25 MHz	62.5 MHz	100 MHz	200 MHz	250 MHz		
NEXT (typ.)	dB/100m	65	63	58.2	56.6	53.2	51.6	50	48.4	43.4	39.9	34.8	33.1		
PS NEXT (typ.)	dB/100m	62	60.5	55.6	54	50.6	49	47.3	45.7	40.6	37.1	31.9	30.2		
ACR-F (typ.)	dB/100m	63.3	51.2	45.2	43.3	39.2	37.2	35.3	33.4	27.3	23.3	17.2	15.3		
PS ACR-F (typ.)	dB/100m	60.3	48.2	42.2	40.3	36.2	34.2	32.3	30.4	24.3	20.3	14.2	12.3		
Return losses	dB	19	19	19	19	18	17.5	17	16.5	14	12	9	8		