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.

Ref.	209017
Logical ref.	PK6P10W
EAN13	8424450222034

Other features

Colour	White
Length	10.00 m

Physical data

Net weight	371.00 g
Gross weight	371.00 g
Width	12.00 mm
Height	10,185.00 mm
Depth	10.00 mm

Packaging info

Box	10 pcs.

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

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.

Televes®

Technical specifications : Ref. 209017

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	Ω	100										
Conductor resistance	Ω/km	< 117										
Nominal speed	%	72										
Working voltage	V	300										
Operating temperature	°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