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Ethernet Patch Cord U/UTP Cat 6 LSFH, 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 LSFH (Low Smoke Free of Halogen).

Ref.209301

Art.Nr

PK6L03V-T

EAN13

8424450237441

Highlights

- Category-6 data cable
- U/UTP Unfoiled UTP Cable
- Flexible copper inner conductor (24AWG)
- Compatible with PoE/PoE+ (Power over Ethernet) technology, allowing the cable to power network devices
- PE (Polyethylene) copper conductor insulation, 0.95mm diameter
- LSFH (Low Smoke Free Of Halogen) outer sheath, 0.62mm thick and 5.7mm diameter
- 72% nominal speed
- RJ45 connectors with gold plated connector ends

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.

They are characterized for:

- Comply with TIA/EIA-568B.2-1
- Crucifix type padding
- Transfer rate up to 1Gbps
- Frequency range of up to 250 MHz
- 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

Technical specifications

Type		U/UTP													
Categorie		Cat 6													
Transmission bandwidth		250MHz													
Transfer rate		1Gbps													
Conductor Diameter	mm	0.55													
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		LSFH													
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	-25 ... 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		74.3	65.3	60.8	59.3	56.3	54.8	53.3	51.9	47.4	44.3	39.8	38.3	
PS NEXT (typ.)	dB/100m		72.3	63.3	58.8	57.3	54.3	52.8	51.3	49.9	45.4	42.3	37.8	36.3	
ACR-F (typ.)	dB/100m		67.8	55.7	49.7	47.8	43.7	41.7	39.8	37.9	31.8	27.8	21.7	19.8	
PS ACR-F (typ.)	dB/100m		64.8	52.7	46.7	44.8	40.7	38.7	36.8	34.9	28.8	24.8	18.7	16.8	
Return losses (typ.)	dB			--	23	24.5	25	25	25	24.3	23.6	21.5	20.1	18	17.3