



RJ45 male connector pass through UTP Cat 6 for data cables

RJ45 UTP Cat 6 male pass through connector to connect data cables. The pass-through type system provides convenience and reliability when connecting a cable. The pairs are inserted through all the way to the other end, ensuring that they all reach the bottom of the connector and then the excess is cut off. This ensures that the pairs are in contact with the pins and the connector is accurately connected.

In addition, the probability of error is reduced, as the pass-through design allows for a visual check at the connector output to ensure that the pair order complies with the chosen TIA standard.

Supplied in professional plastic box.

Ref.	209906
Logical ref.	CAT6S-U-D
EAN13	8424450267783

Other features

Supply method	Plastic box (50 units)
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Packaging info

Physical data

Net weight	1.00 g
Gross weight	1.00 g
Width	11.00 mm
Height	21.00 mm

Plastic box	50 pcs.	Depth	10.00 mm
		Main product weight	1.00 g

Highlights

- Lower rejection rate: as the pairs are stuck out of the end of the connector, the excess is cut off, ensuring a correct length and therefore, a reliable connection is always achieved
- Better NEXT levels: by fitting the pairs all the way to the end of the connector, the twist can be kept very close to the pins, reducing the risk of NEXT dropping, as the NEXT decreases as the twist is lost
- Extra security thanks to easy verification that all wires are correctly inserted
- Multiple-connection guaranteed without losses
- Compatible with Cat 6 or below
- Mounting requires a crimping tool for pass-through connectors (Ref. 209802)
- 50 microns gold-plated pins

Discover

What is the RJ45?

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.

Compatibility of RJ45 connectors with Televes data cables:

Reference	219602	219701	219901	219910	212201	2123	212302	212305	212310	212101	219302	219312	219313	219322
Female connectors	209901/209907	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209905	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209921/209925	OK	OK	OK	OK	OK	OK	OK	OK	X	X	OK	OK	X
	209926	OK	OK	OK	OK	OK	OK	OK	OK	X	X	OK	OK	X
	209903	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK	X	X	X	X
	209923	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK	OK	OK*	OK*	OK
	209929/209501	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK	OK	OK*	OK*	OK
Male connectors	209902	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209961/209962	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209904	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK	X	X	X	X
	209906	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209965/209966	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209922	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	X	X	OK	OK	X
	209924	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK*	OK	OK*	OK*	OK

OK Compatible

OK* Compatible, but there are better choices

X Incompatible

** Mechanical compatibility

What is the PoE technology?

PoE (Power over Ethernet) technology enables the simultaneous transmission of power and data over the same Ethernet network cable, eliminating the need for separate power supplies. Currently, there are three main standards: IEEE 802.3af (PoE), IEEE 802.3at (PoE+), and IEEE 802.3bt (PoE++/4PPoE). The latter defines two additional types (Type 3 and Type 4) with higher power levels, making four PoE levels in total.

The three aspects that differentiate the different types of PoE are:

1. Maximum PSE (Power Sourcing Equipments) Power: Indicates the maximum amount of electrical power that can be supplied by an equipment over the Ethernet cable.
2. Power for the PD (Powered Device): This is the electrical power that can be received by the device powered by the cable.
3. Number of Twisted Pairs Used: Refers to how many twisted pairs in the Ethernet cable are used to deliver electrical power.

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Recommended uses according to PoE type:

4. Type 1: IP phones, basic IP cameras, low-demand Wi-Fi access points, sensors or simple IoT devices.

5. Type 2: Dual band Wi-Fi access points, IP motion cameras (PTZ), IP video phones, alarm systems.
6. Type 3: Wi-Fi 6 / Wi-Fi 6E access points, heated PTZ cameras, multimedia terminals, video conferencing equipment.
7. Type 4: Monitors or touch screens, desktops, high-performance network equipment.

Devices that support a certain type of PoE can also be powered by a higher type, offering greater versatility and scalability in installations.

Main advantages of PoE technology in installations:

8. Quick and cost-effective installation by using the same cable for power and data transmission.
9. Greater installation flexibility as there is no need to rely on auxiliary power sockets.
10. More efficient management and optimised maintenance thanks to the monitoring and administration of the power supply of all equipment from a single point.
11. Cost reduction by avoiding electrical conduits and external power supplies.
12. Increased safety by minimising electrical risks in the installation, thanks to the use of low voltage.

Technical specifications : Ref. 209906

Data connector model			Male
Data connector type			RJ45
Categorie			Cat 6
Shielding type			UTP
Housing material			Polycarbonate
Voltage max.	Vac		125
Max. current	A		1.5
Contact resistance	mΩ		20
Insulation resistance	MΩ		500
Dielectric strength (60Hz/1min)	Vac		1000
Conductor type AWG			26 ... 23
Special tool required			Yes
Durability (connection cycles)			750
Reusable			No
Cable output			180°