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Q&A CAT6 und CAT6A

What is a CAT 6 or CAT 6A cable or connection?

A CAT 6 or CAT 6A network cable is an Ethernet cable designed for fast and reliable data transmission. A network is a connection between several devices, such as computers, routers, printers or servers, which can exchange data with one another. Ethernet refers to the technology and standard that allows devices to communicate within a wired network.

Both cable types typically use an RJ45 connector and are compatible with one another. The actual transmission speed always depends on the weakest component in the network. Both types can be shielded to protect against electromagnetic interference and crosstalk.

CAT 6 cables are shielded and offer a lower maximum data transmission rate.

CAT 6A cables support higher data rates and provide enhanced shielding.

What is a CAT 6 or CAT 6A cable or connection? 1

What are the technical differences between CAT 6 and CAT 6A? 2

How can you identify the differences between CAT 6 and CAT 6A modules in EVOline products? 3

Do you have any further questions? 4

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What are the technical differences between CAT 6 and CAT 6A ?

	CAT6	CAT6A
Speed	10/100/1000 Mbit/s	10/100/1000/10000 Mbit/s
Frequency	250 MHz	500 MHz
Maximum length	100 m	100 m
Application	Private and small office networks	Data centres and corporate networks

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How can you identify the differences between CAT 6 and CAT 6A modules in EVOline products?

Red inner section:
Integrated CAT 6 network cable

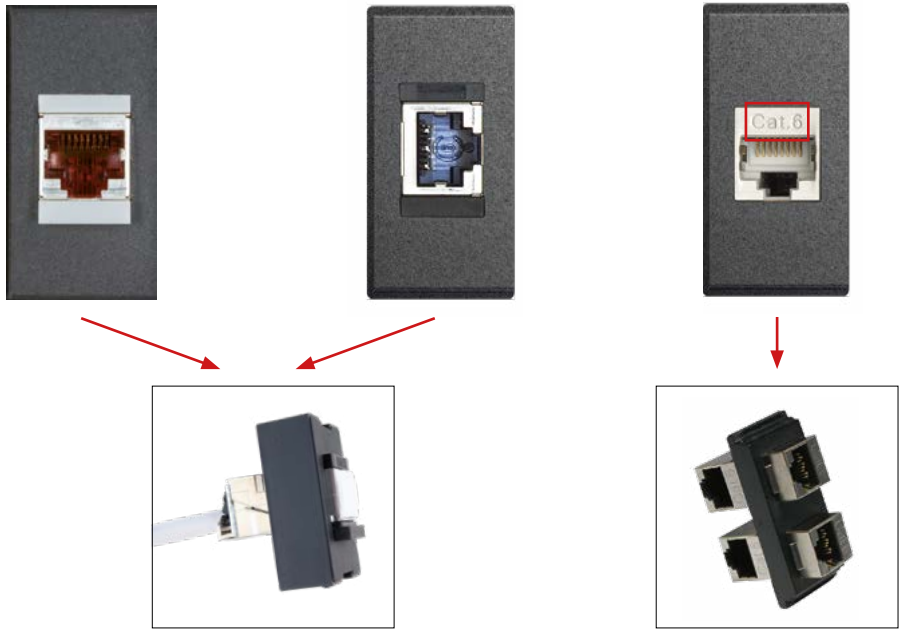
Only one network cable needs to be connected from the socket strip connection to the end device.

Blue inner section:
Integrated CAT 6A network cable

Only one network cable needs to be connected from the socket strip connection to the end device.

White inner section:
Socket-to-socket connection (RJ45 coupler). The CAT 6 / CAT 6A specification is marked on the socket.

A network cable must be connected at each end.



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Our expert team will be happy to assist you!

Contact form >

Contact person >

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