securityNET

CCAS-RJ6-STP-TL

Category 6 STP tool-less RJ45 plug



The eight-pin, tool-less, modular, shielded 8P8C RJ45 securityNET plug is dedicated to Category 6 twisted pair cabling. The plug meets the requirements of structured cabling standards: ISO/IEC 11801, EN 50173, EIA/TIA 568-B.2.

Technical specifications

Category 6 STP tool-less RJ45 plug

Number of mating cycles of the RJ45 connector	750
Diameter of the installed conductor	1,35
Connector type	RJ-45 (8P8C)
Category/class	6
Shielding	STP
AWG range	23-24
PoE standard	Compatible with PoE/PoE+/4PPoE (IEEE 802.3af; 3at; 3bt)

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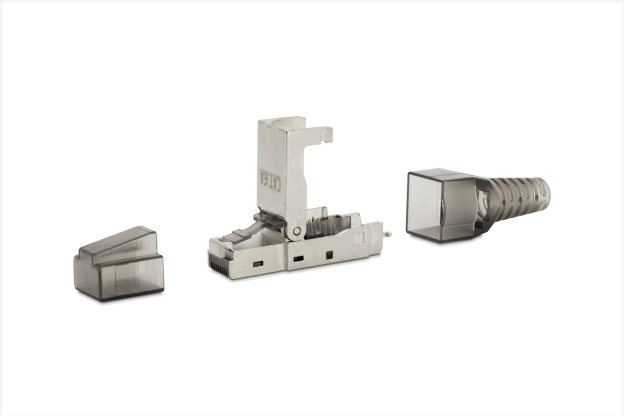

PoE standards compliance: data and power over a single cable

Power over Ethernet (PoE) technology is increasingly used in everyday building installations. Sending PoE applications, i.e., powering via twisted pair cable while simultaneously transmitting data, reduces the amount of cabling installed in the building. PoE is most often used in building security systems. We distinguish 3 types of applications: PoE, PoE+, and 4PPoE. securityNET tool-less RJ45 plugs are compatible with PoE, PoE+, and 4PPoE applications.

Plug termination does not require the use of a crimping tool

The modular design of the tool-less plug was created with the aim of maintaining proper transmission parameters. This applies to Category 6 and 6A cabling, where it is necessary to better isolate the cable wires, preventing crosstalk at the near end (NEXT parameter). The plug's design allows for cable wire termination on IDC connectors without the use of a crimping tool.

Shielding, ensuring safety

The securityNET shielded plug is suitable for installation in computer networks, telephone networks, CCTV systems, etc., which are exposed to electromagnetic 1 interference. The shield incorporated into the cable's construction effectively eliminates electromagnetic threats from both outside and inside the cable. This directly affects the quality of communication.