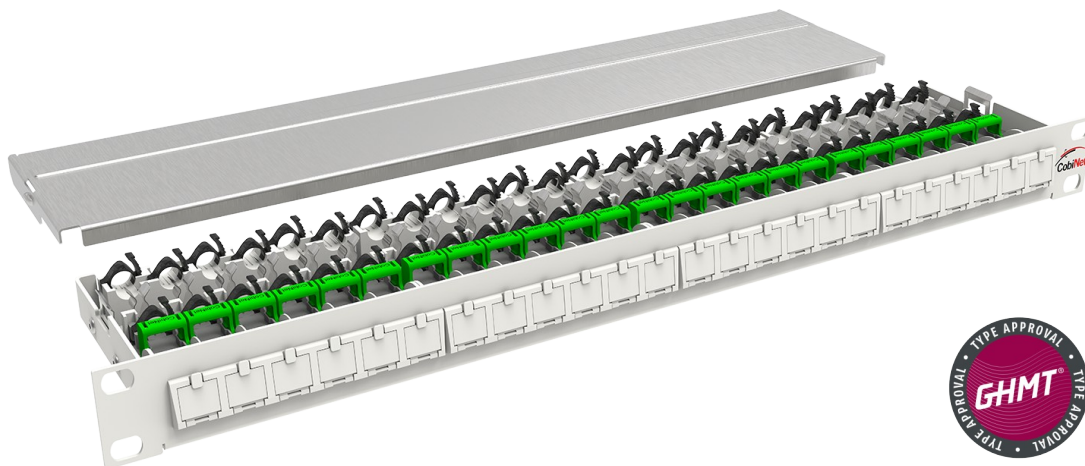


RJ45 patch panel CobiNet RJ45-TL®, Cat. 6A

The CobiNet RJ45-TL® patch panel is an integral part of CobiNet's tool-free connection technology. It enables cost-effective and time-saving installation of service-neutral cabling with a transmission capacity of up to 10 Gbps. It enables high cost savings compared to the use of individual jacks and empty panels. This is made possible through the use of the common shielding housing, the one-finger wiring of the wire pairs by using of a lever and the innovative strain relief clips, which make the time-consuming use of cable ties unnecessary.

The patch panel is compliant to the Cat. 6A component standard and offers large performance reserves. This enables safe operation with a wide range of installation cables. In addition, the CobiNet RJ45-TL® patch panel enables the safe operation of Power-over-Ethernet applications. The RJ45 jacks are optimised for PoE applications up to 90 watts (according to IEEE 802.3bt/type 4/4PPoE).



Installation video:
[https://www.cobinet.com/
de/rj45-tl/](https://www.cobinet.com/de/rj45-tl/)



Wiring of the RJ45 interfaces with one finger

Features and Designs

- Category 6A performance according to category 6A component level (ISO/IEC 11801-1:2017)
- Category 6A performance independently tested and proven by GHMT type approval
- 24 shielded RJ45 jacks
- 24 lockable dust shutters, optionally available in different colours for marking individual ports or services (for ex.: PoE ports, VoIP-ports, WLAN-access points etc.)
- Time-saving and simple tool-free wiring of the individual data cables
- Wiring according to T568A and T568B
- Tinned LSA contacts
- Suitable for accommodating wires from AWG 22-24
- Can be reconnected e.g. in case of incorrect installation
- Port numbering with digits 1...24
- Earthing pin with M6 nut
- Colour
 - 126226.....RAL 7035 (light grey)
- Incl. fastening set and earthing cable



Technical specifications

Climate area

Use in dry or damp rooms without condensation.

- Temperature range
 - For storage.....-40 to +70 °C (-40 to 158 °F)
 - During operation.....-15 to +60 °C (5 to 140 °F)

Mechanical values

- Material
 - Chassis.....Sheet steel, galvanized, partly powder-coated
 - Cover..... Sheet steel, galvanized
 - RJ45 contacts.....High-performance copper-based alloy, contact surface > 1 µm gold
 - LSA contacts.....CuSn, tin-plated
- Permissible wire diameters, solid.....AWG 22 to AWG 24
- Permissible insulation diameter.....0.8 to 1.6 mm
- Min. plug-in cycles according to ISO/IEC 11801 2nd Edition.....> 1000
- Dimensions
 - Wide.....482.6 mm
 - Height.....43.5 mm
 - Depth.....116 mm
 - Mounting dimension.....465 mm
- Weight.....1.44 kg

Transmission and electrical data

- Better than Cat. 6_A according to ISO/IEC 11801- 1:2017, DIN EN 50173-1:2018-10, IEC 60603-7-51:2020
- Kat.6_A re-embedded according to IEC 60512-27-100
- Channel link and permanent link class E_A according to ISO/IEC 11801-1:2017 and DIN EN 50173-1:2011-09
- Compliant according to IEEE 802.3af/IEEE 802.3at/IEEE 802.3bt (4PPoE) up to 90 watts
- Dielectric strength according to IEC 60603-7.....>1000 V
- Insulation resistance according to IEC 60603-7.....> 500 MΩ (500 V_{DC})
- Contact resistance according to IEC 60603-7.....<5 mΩ
- ISO/IEC 11801- 1:2017 Information technology - Application-neutral site cabling
- DIN EN 60603-7-51:2011-01 Connectors for electronic equipment - Part 7-51: Type specification for shielded free and fixed connectors, 8-pole, for data transmission up to 500 MHz

Standards

- ISO/IEC 11801-1:2017
- EN 50173-1:2018-10
- IEC 60603-7-51:2020
- TIA/EIA-568.2-D