

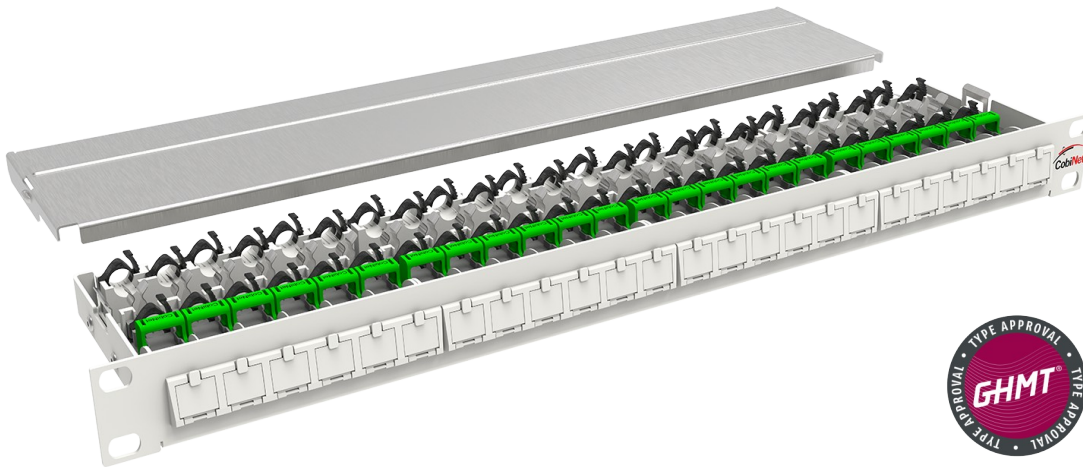
RJ45 patch panel CobiNet RJ45-TL® , Cat. 6A

The CobiNet RJ45-TL® patch panel is part of CobiNet's tool-less connectivity technology. It enables cost-effective and time-saving installation of service-neutral cabling with up to 10 Gb transmission capacity and is compliant with the Cat. 6A component standard with large reserves. This enables safe operation with a wide range of installation cables.

The distribution panel provides safe operation of 10G cabling by conforming to the Cat. 6A component standard with high reserve.

The distribution panel enables installation with high time and cost savings compared to conventional modular- or LSA distribution panels. This is achieved by the innovative tool-less wiring of the data cables thanks to the integrated levers that are used to wire the data cables. In addition, integrated cable fixings for strain relief no longer require cable ties to fix the data cables.

The CobiNet RJ45-TL® distribution panel enables the safe operation of Power over Ethernet applications. The RJ45 sockets are optimised for PoE applications up to 90 watts (IEEE 802.3bt/ Type 4 / 4PPoE).



Features and Designs

- Category 6A performance according to category 6A component level (ISO/IEC 11801-1)
- 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 bis +70 °C (-40 bis 158 °F)
 - During operation.....-15 bis +60 °C (5 bis 140 °F)

Mechanical values

- Material
 - Chassis.....Sheet steel, galvanised, partly powder-coated
 - Cover..... Sheet steel, galvanised
 - RJ45 contacts.....High-performance copper-based alloy, contact surface > 1 µm gold
 - LSA contacts.....CuSn, tin-plated
- Permissible wire diameters, solid.....AWG 22 up to AWG 24
- Permissible insulation diameter.....0.8 bis 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 getestet nach 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