

Patch panel rack 1U 24 x RJ45 Cat6A SFTP

Application

The Rj45 patch panel 500 is used as jumperboard in application-independent wiring systems and is designed for installation into 19" frames. The patch panel supports 10 Gbit Ethernet.

Featrues & Design

- Better than cat. 6 acording to ISO/IEC 60603-7-5
- 24 individually shielded Rj45 jacks Cat.6A, 1U format, to be installed in a 19" rack
- Suitable for receiving conductors AWG 22-26
- Printed with numbers 1...24



Technical specification

Mechanical values

- Material
 - Chassis.....sheet steel, zinc-plated, partly powder-coated
 - Cover..... sheet steel, zinc-plated
 - RJ45 contacts.....high-performance copper alloy, contact surface > 1 µm gold
 - LSA contacts.....CuSn, tin-plated
- Allowed wire diameter, solid wire.....AWG 26 to AWG 22
- Allowed wire diameter, stranded wire.....AWG 24/7 to AWG 22/7
- Allowed insulation diameter.....0.7 to 1.6 mm
- Min. RJ45 plug cycles according to ISO/IEC 11801 2nd Edition.....> 1000
- Dimensions
 - Width.....482.6 mm
 - Height.45mm
 - Depth.....125 mm
 - Fastening dimension.....465 mm
- Weight.....1.2 kg

Electrical values

- Better than Cat. 6 according to ISO/IEC 60603-7-5
- Electric strength according to IEC 60603-7.....> 1000 V
- Insulation resistance according to IEC 60603-7.....> 500 M Ω (500 V_{DC})
- Contact resistance according to IEC 60603-7.....< 5 m Ω

Climate area

For application in dry or damp rooms without condensation

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

Standards

- ISO/IEC 11801 am2 Ed. 2.0 (2010-04)
Amendment 2 - Information technology - Generic cabling for customer premises
- EN 50173-1:2007/prAB:2009 (2009-10)
Information technology - Generic cabling systems
- TIA/EIA-568-C.2 (2009-08)
Balanced Twisted-Pair Telecommunications Cabling and Components Standards
- ISO/IEC 60603-7-5