

Important installation instructions of transmission path

That are your cooperation duties



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Connecting
your world.

Contents (as of 02/2024)

Your cooperation summarised – checklist

To ensure that your connection can be set up smoothly, please note this checklist with important information and requirements.

Please make sure that you forward it to all necessary contact persons.

Up to three weeks before assembly



Have all authorisations been made available?

- ☐ Approval of the house and property owner
- ☐ Fire load and fire protection stops approval



Has the house wiring been prepared?

- ☐ Consistency and sufficient capacity guaranteed
- ☐ Sufficient space for hardware
- ☐ Free sockets near the hardware



Other preparations?

- ☐ Special features for installation in outdoor enclosures / MFG (48V)
- ☐ Provision of a normatively professional connection point for 48V DC
- ☐ For location in the Telehouse: Patch form completed and sent to Customer Service

Until the appointment with the Telekom technician



Has access been ensured?

- ☐ To the utility room
- ☐ To the termination point of the Telekom line technology
- ☐ To the sub-distribution in the building



Has everyone involved been informed?

- ☐ Contact persons have been informed and are on the site (if necessary as well IT-technicians)

On the following pages, you will find further detailed information about your necessary participation in the commissioning of your connection.

Interface for connection to your Local Area Network (LAN)

The interfaces between your LAN and the remote device must be compatible. We have compiled an overview of the interfaces for you in Fig. 2. Please check again whether the correct interface has been specified on your order to us. If not, please inform us immediately.

Important: A subsequent change in the order would delay the setting up of the connection.

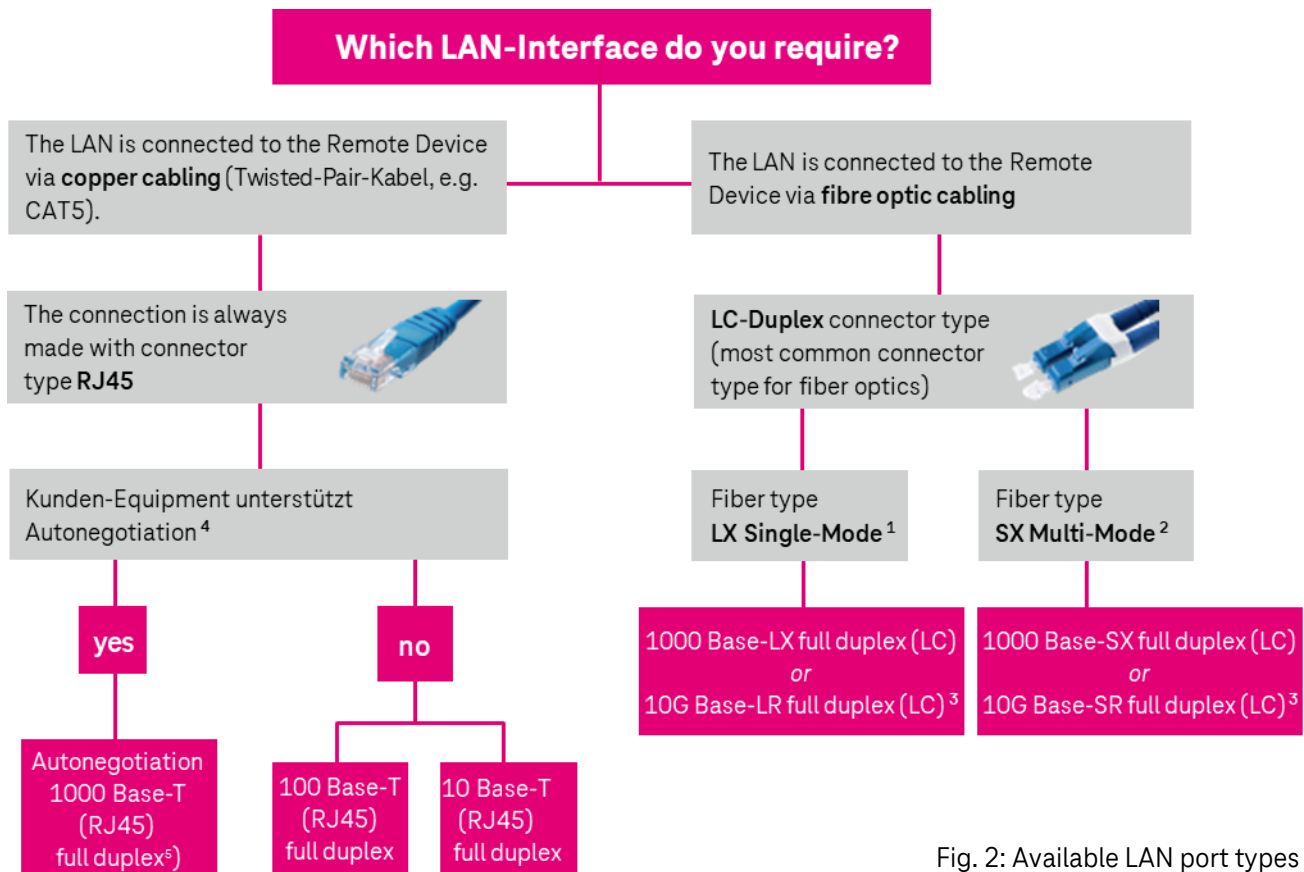


Fig. 2: Available LAN port types

1. LX: Long wavelength; possible range approx. 5 km at 1000M and approx. 10 km at 10G; use mostly on extensive company premises; more expensive than multimode fibre
2. SX: Short wavelength; possible range approx. 500 m at 1000M and approx. 300-400M at 10 G ; mostly used fibre type; more favourable than single mode fibre
3. At 10G-LAN-Interfaces also a UNI-10G-Port must be configuratively selected on the RD
4. Autonegotiation = automatic selection of the correct port speed
5. The technical realisation of the 1000 Base-T interface (copper with RJ-45 socket) always carried out with autonegotiation

LC = **L**ucent **C**onconnector

Note: The older standard for fiber optic plug types SC/PC is not offered. If required, you will need to purchase suitable LC Duplex to SC/PC adapters on the free market.

Your cooperation in detail

Please understand that we cannot execute your order without your cooperation. We need your help to put your commissioned connection into operation as planned.

We will coordinate the specific delivery date with you beforehand and then confirm this in writing along with the order confirmation.

Please inform our customer service no later than 3 weeks before the delivery date if you are unable to fulfil the cooperation duties listed below in good time. You can find the customer service contact details in the order confirmation

These prerequisites must be met (1):

- **Telekom's demarcation point located in the building must be easily accessible.** If special access regulations apply to your location, please let us know, for example, during the conversation in which we coordinate the delivery date with you.
- If structural changes to the building or civil engineering work on the property are necessary for setting up the connection, you must obtain the permission of the landlord and property owner. **The landlord is responsible for the fire load and fire protection compartments in the building.** If fire protection compartments are affected by construction work, they must be opened and closed again independently by the owner.
- The room in which the remote device is to be installed must be accessible, dust-free and dry **3 weeks before installation.**
- Similarly, the required **internal connection cable must be available in adequate quantity 3 weeks before commissioning** and should comply with the technical specifications. In accordance with the [Regeln für die Standardinstallation](#), the connection product includes surface mounting of up to 15m of internal cabling, including a maximum of one wall or ceiling penetration, but without opening and closing fire barriers. For internal cabling, we also offer the product "[Installation NE4](#)".
- Please have the **required space available for the remote device.** When installed in a 19" rack, three height units (HE) are required per access. A Patch Panel must be provided within the same rack.
Air-conditioning: indoor in the temperature range from -5 to +55 °C.
- Sufficient free sockets for power supply within range of the hardware are also required. The power supply can be via 230 V (Schuko coupling) or 48 V (depending on the order). For the 48V DC power supply variant, please note the information in the following leaflet [Regeln für die 48V Gleichstrom Anschaltung von Remote Devices \(RD\)](#).
- When providing transmission paths in customer owned system racks or outdoor multifunction enclosures (MFC) please note the following information in [Merkblatt zur Montage und Anschluss eines Remote Devices mit 48 V DC Stromversorgung im kundeneigenen Outdoor-Multifunktionsgehäuse](#).
- Free power connections and required space must also be available for additionally ordered components such as a secondary connection

These prerequisites must be met (2)

- For the **backup operation of an IP service in the hot standby** mode on two connections, it is necessary to connect both remote devices (RD) in the same LAN segment. In addition, a largely independent operation of the remote devices is recommended, i.e., separate power supply, separate lean-in into the in-house network and separate installation rooms.
- Please ensure that **all necessary contact persons** (e.g., in-house technicians, contact person for the in-house network) **are aware of the delivery date**.
- When **changing a product** from an existing connection to a new product, you must expect an **interruption of approx. 45 minutes**.
- If **your location is in a Telehouse**, then you must **order an in-house patch and an access permit from your Telehouse operator** for our technician so that the technician can carry out the necessary work on your installation cabinet. To order the in-house patch from your Telehouse operator, we will need to give you the switching point on Telekom's demarcation point. We will share this with you in good time along with our patch form. We will also inform you of the exact space requirement along with the patch form. You must then enter the **necessary information on the patch form and send it back to our customer service so that your order can be processed further**.



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