



Fiber Installation

A how-to-guide

The season for laying fibre starts after the spring thaw, not before early May. This brochure provides a step-by-step, how-to guide for installing fibre and your obligations. If you're unsure about anything, please contact us.

Visit skekraft.se/fiberprojekt to find the delivery time for your connection. We will contact you before your home is to be connected to the fibre network.

This brochure explains the different steps so that you don't miss any important information.

1. Planning

Our hardware will be mounted directly inside the wall where the cable enters the house, so good planning is essential. The space must be dry and located on the ground floor above ground level. The hardware takes up an area of at least 35 x 35 centimetres (see image on page 7).

On the inside of the wall, you need a 230-volt wall socket within 1.5 metres to power the hardware.

Also, remember not to cancel any existing telephone, TV or internet subscriptions until you are sure that your fibre connection is operational.

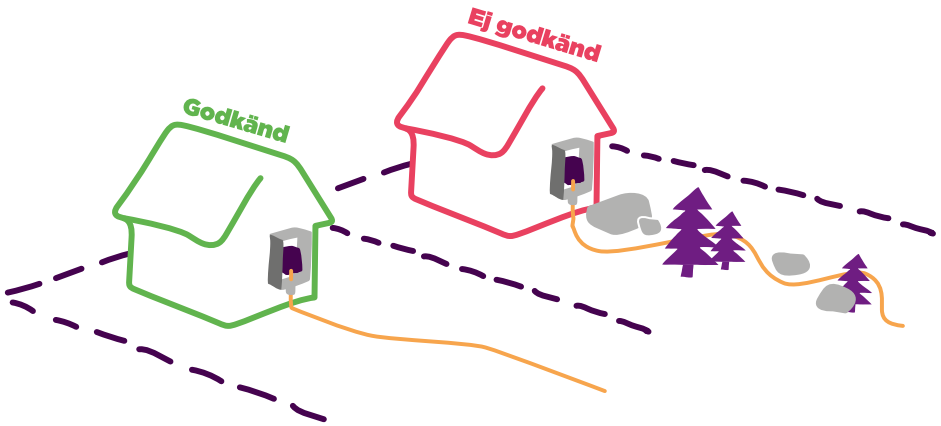
Note!

Before breaking ground, order a detail survey to avoid digging up telephone, electricity or district heating lines. This service is provided free at ledningskollen.se

2. Groundwork

You are responsible for digging a cable trench on your own property and for laying ducts and protection mesh. We will make a mark on your property line, showing where to dig from.

Our contractor will then inform you when digging can start and how by leaving a card in your letterbox or by phone. From our marking on the property line, you dig a 40 cm deep cable trench to the point on the house wall where you want the fibre-optic cable to be installed. There must be no sharp turns and the trench bottom must be as flat as possible.



If you have private inter-property cables on your property, you must contact an electrician to survey these cables for a fee.

You should not dig closer than within 50 centimetres of district heating pipes or 1.5 metres of water/ sewage pipes. But crossing these pipes is permitted. If you're unsure of their location, check your plumbing blueprints or contact the municipality's customer service centre.

The ducts and protection mesh that will be placed in the cable trench are supplied by our contractor. Delivery of ducts and protection mesh is made after the date indicated on the excavation notice.

If your cable trench will cross someone else's property, you must reach an agreement with the property owner that we will send a land contract shortly.

3. Laying and backfilling

After the ducts and protection mesh are in place, you can start filling in the trench. Start by placing the duct in the cable trench. Then place an approx. 10 cm-thick protective layer of fine soil or sand on top of the duct. The soil or sand must not contain large stones or anything else that could damage the duct.

This is the layer where you will then place the green protection mesh. The mesh contains a metal wire that serves to aid cable deployment. The mesh also serves as a visual warning to anyone digging in the area.

You can then carefully fill the entire cable trench - except for about one metre at the house wall and at the beginning of the cable trench, to facilitate fibre installation. Remember to mark off the open pits to prevent accidents.

Instruktioner

- Do not dig within 50 centimetres of district heating pipes or 1.5 metres of water/sewage pipes.
- The cable trench you dig on your own property must be 40 centimetres deep.
- Leave one metre unfilled against the house wall and at the beginning of the cable trench to give installers access to install the cable protection.
- The protection mesh must be longer than the duct at both ends. Adjustment of duct/protection mesh length is made only after the installation has been completed.
- You must leave an extra 2 metres of optic duct next to the house façade, measured above ground level. This makes it easier to pull cable through the wall.
- The protection mesh should be 10 centimetres above the duct.



The diagram shows a cross-section of the ground with a green grass line at the top. Below the ground surface, there are three distinct layers. The top layer is a light brown soil with small white dots. The middle layer is a darker brown soil with larger white dots. The bottom layer is a dark brown soil with the largest white dots. A dashed line indicates the ground level. Three labels with arrows point to the layers: 'Protection mesh with finder wire' points to the top layer, 'Cable' points to the middle layer, and 'Optical cable duct' points to the bottom layer. The cable and duct are shown as a single unit, with the cable inside the duct.

Protection mesh
with finder wire

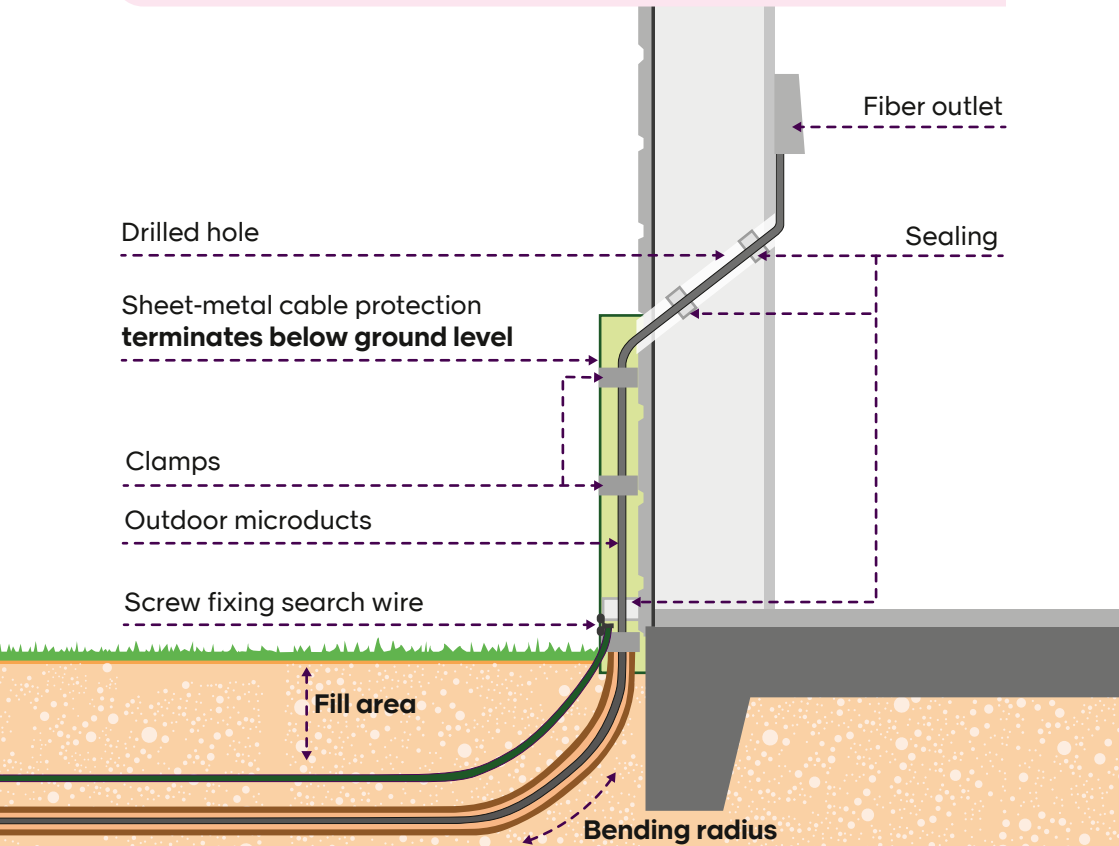
Cable

Optical cable duct

Building a new house?

Are you planning to embed fibre optic ducts in the foundation? Note that the minimum diameter of ducts is 25 mm. Ducts must have a smooth bending radius, with no sharp angles, as seen below.

Any splicing of ducts to reach, e.g., media centres must be done by a professional. Ducts joined by splicing must not be less than 25 mm in diameter.



4. Inserting fibre-optic cable

Later, we insert fibre-optic cable into the duct. This is left looped outside the house wall.

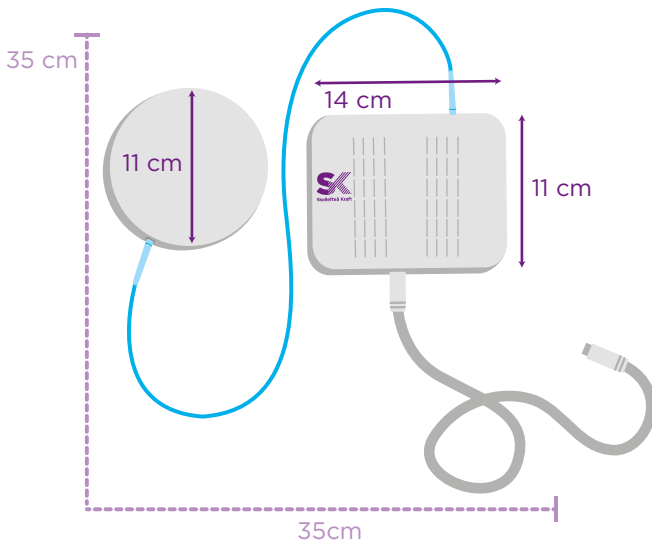
5. Drilling and assembly

Next, we contact you to make an appointment to access your home.

We drill a hole through the outer wall on the ground floor according to your instructions. On the inside, we install the hardware to which you connect your home network, e.g., router, TV box, media centre and other equipment requiring internet connectivity.

6. Inspection

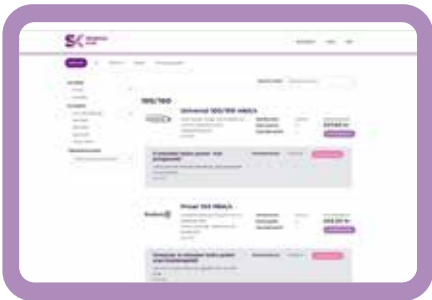
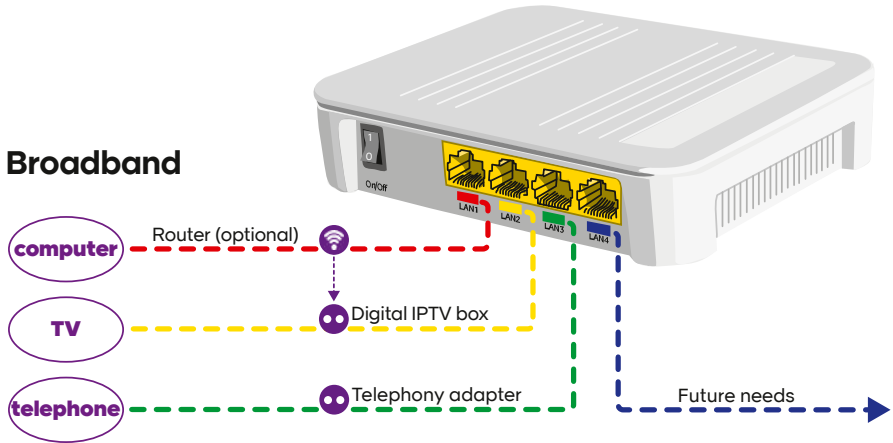
To ensure that everything works properly, we carry out an inspection that includes testing and documenting your connection. We may contact you to gain access to your home. Once the installation is complete and the hardware is operational, you can start using it.



7. Broadband activation

Once the network is up and running, you can activate your broadband and order internet, TV or telephone services on the broadband portal skekraft.net.

Broadband



1. Activate your broadband

Connect your computer to the broadband modem using a network cable. When you start your browser, you will automatically be taken to the broadband portal skekraft.net.

2. Select services

Compare the range of services and providers* on the portal and choose the one that suits you best. You can order directly on the site and be online in minutes.

*The range of services and providers is constantly evolving and may therefore vary. Access the portal regularly to ensure you subscribe to the services that suit you best.

Fast, stable and affordable

We offer one of the best fibre networks in the country with access to fast, stable and affordable services. In return, we get satisfied customers.

Contact us

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kundservice@skekraft.se

Chat with us at: skekraft.se



Skellefteå Kraft