How not to forget that one little cable?

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Types of installations and systems

List of cables to be included in the design	Notes Executed?

2. Antennas

- Ground-based TV antenna (analogue and digital)

A device for receiving television signals supplied by ground-based transmitters.

- Radio antenna (analogue and digital radio)

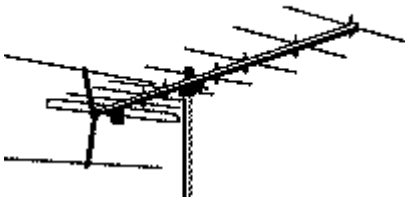
Short-wave radio stations in Europe transmit in the frequency range 88-108 MHz. Increasingly popular and practical is listening to radio stations via the Internet.

- Satellite TV antenna (including a converter for several satellites)

Satellite TV uses transmitters (transponders) installed in artificial satellites orbiting Earth in space. In Europe the most popular satellites are Hot Bird and Astra. Using additional converters and having a large parabolic dish (ca. 80 cm), it is possible to receive the signal from both satellites simultaneously.

- GSM antenna

GSM antennas serve to increase the quality of the received signal (not to amplify it). Omnidirectional antennas are used when the distance from the BTS (Base Transceiver Station) is relatively small. At higher distances (ca. 5 km and upwards) directional antennas are used.



6. Gates, window blinds, other motors

- Ventilators (Toilet, bathroom, technical rooms)
- External Venetian blinds, electric curtain rails
- External window blinds

- Marquees (with wind sensor to protect them against damage)

The basic task of the marquees is protection against sunlight. By supplying them with a motor and wind sensor one can automate their work, including remote control.

- Electric roof windows (incl. their blinds)
- Motor for the garage door
- Motor for the entry gate

- Warning light for the gate

Necessary especially when the driveway from the house connects directly to a public road.

- Motion detector activating the lamp at the gate

19. RTV-SAT-CCTV systems ('star' cabling)

- RTV-satellite TV outlet

Thanks to this outlet one can view television, radio programmes or play music in any room. The home video system may be integrated with the entry phone.

- Internal CCTV camera (optionally with motion detector/lighting)

Cameras can easily be integrated with the home LAN thanks to which one can view the image via the Internet from any place in the world.

- 'Return' cabling from the camera to the main RTV node.

23. Garden splitter

- Lighting for the crowns of larger trees and bushes

They provide an unmatched atmosphere in the garden; just like inside the house one can create diverse light scenes that will surely make a stunning impression.

- Lamps lighting garden walkways

Lit walkways will not only guide us safely to our target but also provide a great contrast to the remaining lighting of the garden

- Lights for the architectural components of the garden and external walls.

- Automatic circuitry for watering the plants and grass

A fully automated watering system will make sure the plants will always get the water they need to grow in the right amounts.

- Lighting for ponds and streams
- Lighting for fountains and waterfalls
- Electric and radio equipment for terraces
- Automatic equipment for water filter pumps
- Control of switching of scenes involving water and light
- Water connection for sprinklers

- Dusk sensor

Allows the switching of garden automatic equipment with the sun sets, irrespective of the time.

Other guidebooks by this author

How to make your house intelligent? (an e-mail training course in 20 parts)

This is the only free publication on the market to gather all basic information about intelligent home systems in a reader-friendly guide form. The guide is targeted primarily at persons building or designing a house or flat, but also at specialists and designers who would like to get to know the basics or have them all together in one publication. The guide has over 160 pages and is distributed via e-mail in 20 parts (with the option of downloading it in whole). You can read more and sign in at www.smarthome.eu/general-guide

How not to forget that one little cable?

Do you know that forgetting one little cable can cause you to break down your walls again and cause the family to complain that you weren't diligent enough to read the list of over 200 cables that you need to account for when designing the installation for your house? Learn more about this guide and order it at www.smarthome.eu/order-cables-guide

How to create a KNX design and installation?

Installation specialists and smart home system designers often seek answers to these and many related questions regarding the design and implementation of KNX systems. Browsing hundreds of pages of general material is time-consuming and ineffective. This, however, can be avoided. Learn more about this guide and order it at www.smarthome.eu/order-design-guide

How To Pick And Choose KNX Equipment?

There are already over 10000 devices for the KNX system on the market, offered by over 400 manufacturers. How to handle such a mass? How to select the right device to suit user requirements? From among over 10000 devices, this guide contains on over one hundred pages descriptions and/or photos of over 250 of the most important or most interesting devices and their uses, including a handful of practical tips. Learn more about this guide and order it at www.smarthome.eu/order-units-guide

How to build an electric switch cabinet for the KNX system?

Step by step we will guide you through the process of assembly and construction of large electric switch cabinets. We will also tell you what you definitely cannot forget, and where you should take particular care. Learn more about this guide and order it at www.smarthome.eu/order-cabinet-guide

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dream of them, and yet are available for the few who consider them absolutely necessary :) Learn more about this guide and order it at: www.smarthome.eu/order-clients-guide

Installations - document templates

Templates of documents, designed by experts from SMARTech in consultation with lawyers. Apart from a contract draft for the execution of an installation, available are, among others, commissioning protocols, system verification documents, even calls for payment. Learn more about this guide and purchase it at www.smarthome.eu/order-documents-guide

KNX system - the set of guidebooks

All guidebooks above in one set you can buy with 30% discount. Learn more about this guide and purchase it at www.smarthome.eu/knx-system-the-set-of-guidebooks

A KNX system design for a house of 200 sq m

Based on this design you will learn how to execute other smart home designs and installations. The smart electric installation on its own (the design includes others as well) for a house of 200 sq m contains 171 modules in the switch cabinet, 130 cables running from the cabinet to the building, and several thousand connections. An experienced designer needs about 112 hours of work to create such a design. The time and money saved through the use of ready elements - this would be enough to calmly recommend the smart system design specifically to you. Learn more about t**h**is design and order it at www.smarthome.eu/order-plans-pdf

KNX system design - ETS files

Thanks to this, you can implement changes and load ready programmes to devices according to your system within a few hours. You can be certain that everything will work correctly. This set consist ETS database and project files and list of functions implemented in typical 200m2 house. Learn more about t**h**is design and order it at www.smarthome.eu/order-plans-ets