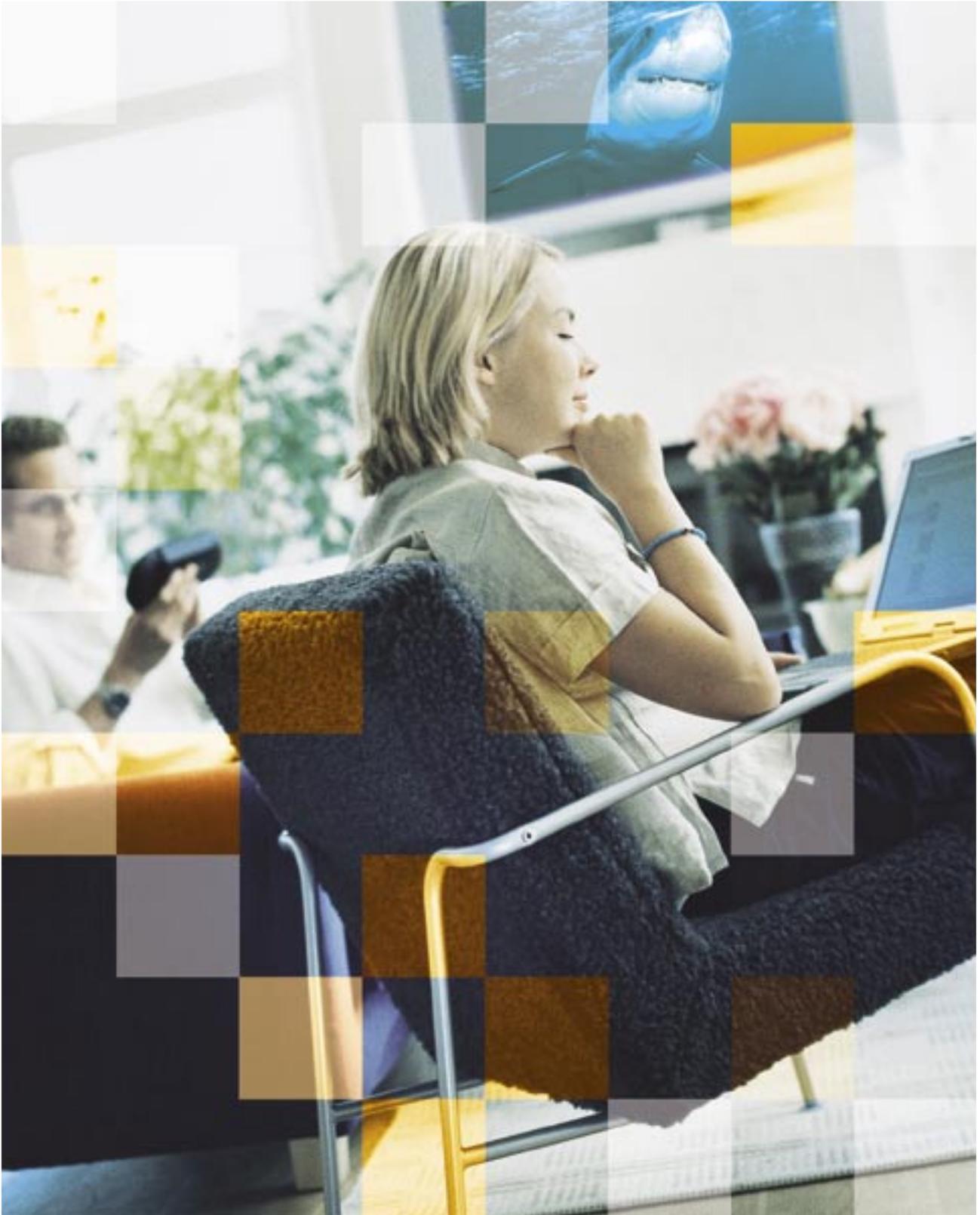


LexCom Home[®]

The most flexible home network,
with television, phone and data on the same cable



A flexible network that combines utility and pleasure

LexCome Home is the network that lets you connect phone, television, computer, printer, fax and so on to every network outlet in your home. Every outlet is the same (RJ45). The lead between the outlet jack and the device is matched to the device you want to connect.

If a new connection standard comes out, all you need is a new lead between the device and the outlet. If new technology arrives, simply upgrade the switching centre with a module for it. This makes the network future-proof.

An installation planned with foresight has at least one extra double outlet in each room to meet increased future demands for communication.

– For both utility and pleasure.





PA0770

Every outlet connects television, data, phone, printer, fax...



Structure, standard and smart connection are the main ideas behind LexCom Home. So that every outlet can be used to connect every type of device with no loss of performance when several devices are connected, LexCom Home is designed as a structured network (star network). The standard for LexCom Home outlets is RJ45 – a long-established

standard for professional networks. A guarantee that the standard will survive far into the future. Wiring up the outlet jack is the most critical part of a network. This is why LexCom Home has obtained professional crocodile-type jacks from its "big brother" LexCom Office – for quick, reliable wiring.

LexCom Home is the home's own network for television, phone and data

Nowadays it's just as essential to have lots of phone, data and television connections in every room as it is to have plenty of well-placed power outlets in every room. Your home needs its own network of high-speed cables. You need a distribution centre for the home network just as you need a consumer unit for your electric power and lighting circuits.

The centre is connected to broadband, a phone line and cable TV entering the building. Unlike the consumer unit, you can quickly make connections yourself in the distribution centre. It is totally safe and provides a very simple and efficient way of change an outlet jack from television to data or from data to phone.

A quick, open system

LexCom Home makes your home future-proof for very high performance communication. The home network distributes signals from old and new systems connected to the home. For example analog and digital telephony/ internet connection such as ISDN, ADSL and VDSL. Or a television signal from an ordinary aerial, dish or cable TV.

No more long leads all over the floor

With outlet jacks for television, phone and computer in every room, the days of all those long leads across the floor and between rooms are gone for good. Instead you just plug short leads into the universal LexCom Home outlet jacks. The system includes dedicated leads for all types of device that can be connected to a network.



PA2170

The distribution centre is the heart of the system. This is where incoming wiring to television, phone and data modules is connected for further connection to all the room outlets. These are connected via patch modules to the all the outlets in the rooms.

Upgrading and adding new functions is simply a matter of replacing modules in the distribution centre. Clear marking makes it easy to see how to connect the outlets to send the right media to the required outlet.

The distribution centre is available for both surface and flush mounting.

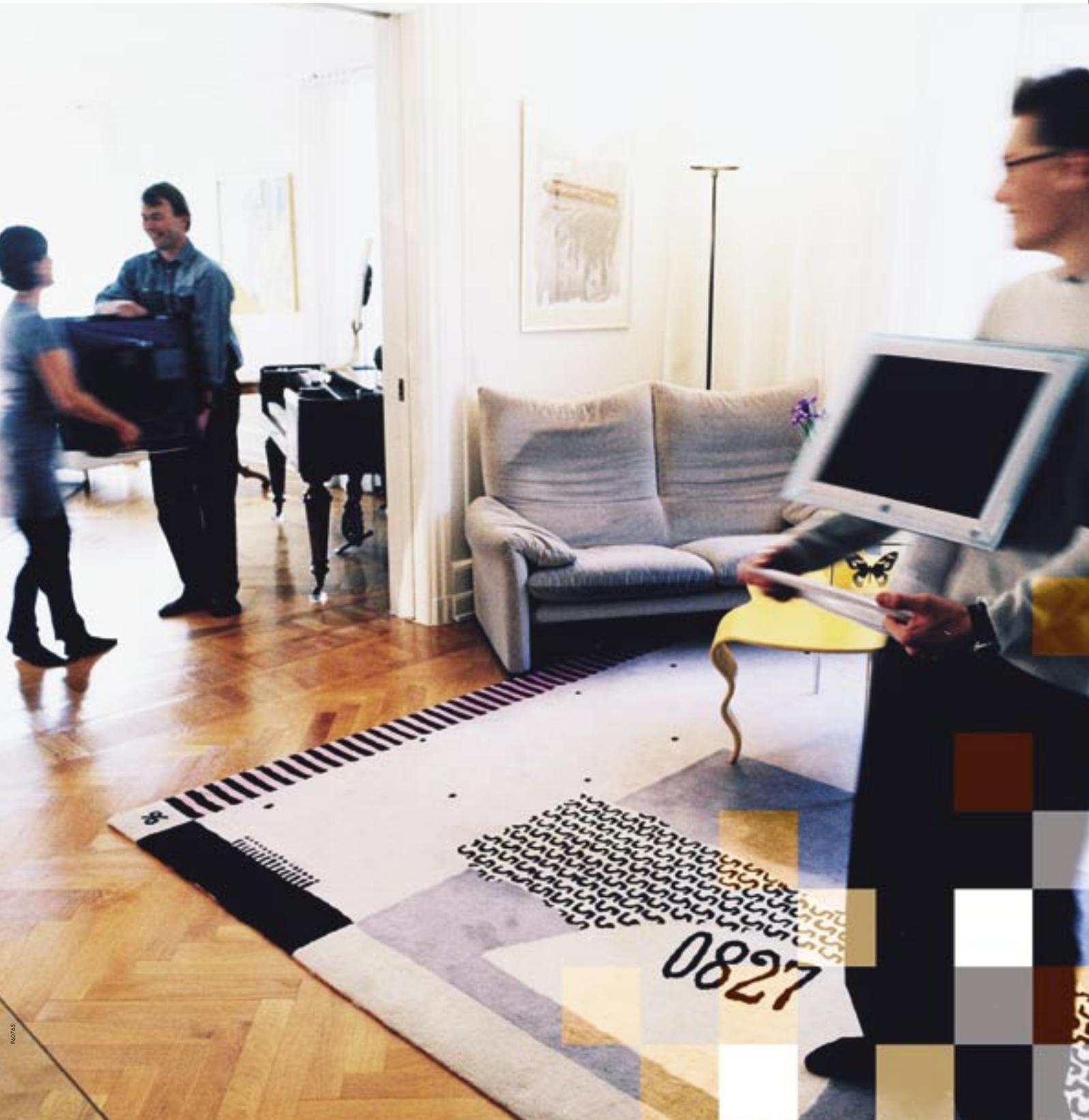
Think ahead

It is impossible to predict today what requirements a home network will have to meet in five years' time. There are many experts but they don't always agree. One thing is certain - electronic communication is increasing to an extent that we can scarcely imagine.

Using it will call for high capacity and we will probably want to have access to the network almost everywhere in the home. So we are not likely to have too many network outlets. The best approach would be to have a few extra from the outset. With a LexCom Home network you can furnish your

home so that the computer fits in. In days gone by, it had to be close to a spare phone socket.

And with a home network you can have more than one computer in your home, so that you can share files, your internet connection, printer and backup.





New products for more pleasure on the LexCom Home network!

AV modulator

Connect your VCR, DVD or satellite receiver to the LexCom Home network and you can watch your film in whichever room you want. Provided that the television set in the room is connected to the network. The AV modulator is a small black box which you place next to your VCR, DVD or satellite receiver.

IR link

The IR (infrared) link picks up the signal from your remote controller and sends it to your VCR, DVD or satellite receiver. This makes it the perfect partner for the AV modulator – you can control your VCR, DVD or satellite receiver from the television set you are watching, wherever it is in your home. Just take the remote controller with you.

What does the family need in the way of images, phone and data communication?

1. Bedrooms

Is more than one outlet needed? Most people want to have a phone in the bedroom, but also a television set or possibly even a computer. There should be two outlet jacks here.

2. The children's room

Is a phone socket enough? No, the children are growing up. They will want both television set and a computer that they can use when doing their homework. At least four outlet jacks are needed here.

3. The hall

This is where the distribution centre lives. But you want a phone socket here too. The standard requires an additional jack for future use. That makes two jacks.

4. The living room

Outlets for TV and video are essential.

Preferably for phone and the Internet too.

The standard requires two jacks if the room is less than 30 square metres, otherwise four. But in the living room it's best to go for four.

5. The kitchen

Don't you often want to watch breakfast television while eating your breakfast? And you use the phone a lot here too. So two jacks are needed.

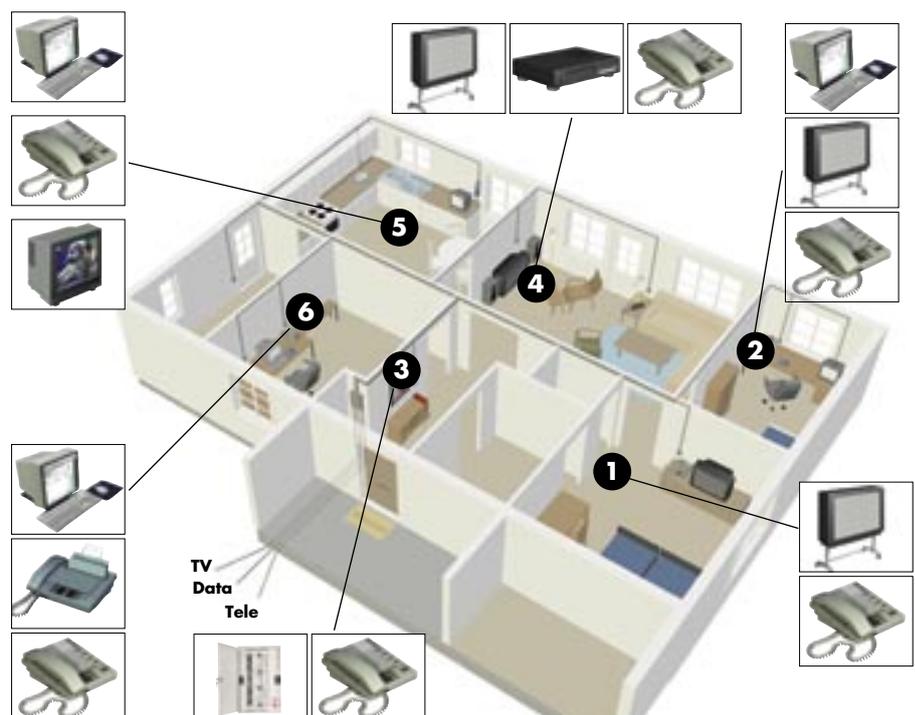
6. Office – work efficiently at a distance

You can connect to your company's server at lightning speed and work from home. Your home becomes an efficient workplace, with the company network only a mouse click away. Phone, fax, computer and printer – the nerve centre of your home needs at least four jacks.

About design standards for IT installations in the home

LexCom Home is a structured building network which meets the requirements for television and telephony networks in buildings. So LexCom Home replaces these two separate networks with a common network for television, phone and data communication. Swedish Standard SS 437 01 46 defines the location and number of outlets and jacks in the building as follows:

- Two jacks for the structured building network are to be located in every rooms, as well as in the hall and kitchen.
- An additional jack is to be located at electrical outlets in areas used as work rooms.
- Two jacks are to be located at electrical outlets in lounges and common areas such as meeting rooms.



Basic components of the home network

1. Universal outlet with two jacks.
2. Shielded installation cable, eight wires
3. A distribution centre where incoming cables from aerial, cable TV, telephone and the broadband network are connected to the home network
4. Patch cables for simple connection of the signal to the wall outlets
5. Universal patch modules
6. Distribution module for eight connection points for phone/ISDN/ fax /modem
7. Hub module for computer network with four connection points
8. Antenna amplifier for four TV connections





Professional installation and a 15-year warranty!

Lexel Training & Competence trains installers, fitters and consultants to ensure professional installation and support of LexCom Home. The aim is to spread knowledge of new products and functions for the network.

The LexCom certificate is a guarantee that the installation satisfies the demands for a structured home network. Since Lexel is responsible for certification of the network, Lexel offers its customers an extended function and spare parts warranty for up to 15 years.

Only tested and verified products in LexCom

1. Distribution centre

The heart of the system. Incoming cables are connected here. They are connected to all the outlets in the room via active modules and the patch modules. The centre is equipped with a free choice of modules (telecoms, TV/radio and data). Upgrading and adding new functions is simply a matter of replacing modules.

The distribution centre can take six active components and 24 patch outlets. The cabinet is available in full-height and half-height versions and can be surface or flush mounted.



1. Distribution centre

2 Data module

A hub with four ports to connect computers, printers and other hardware with network cards. There is an expansion port on the top for connection via an uplink module to an external network such as a broadband network. The module supports the Ethernet protocol 10/100 Base-T (10/100 Mbit/s).



2. Data module

3. Telecoms module

Incoming phone lines are connected to the telecoms module. For two analog lines or for one analog and one ISDN line. Eight ports for onward connected to phone jacks. Available in parallel, serial and ISDN versions.



3. Telecoms module

4. TV/radio module

An amplifier which transfers radio and television signals to the network. The module has an input for the incoming aerial cable and four ports for patching through to the rooms. There are three further variants which support return traffic (digital TV).



4. TV/radio module

5. IR link

Picks up the signal from your remote controller and sends it to your VCR, DVD or satellite receiver. A perfect partner for the AV modulator – you can control your VCR, DVD or satellite receiver from the television set you are watching, wherever it is in your home.



5. IR link

6. AV modulator

Connect video, DVD or satellite receiver to the LexCom Home network via the AV modulator and you can see the film on every TV set that is connected to LexCom Home.



6. AV modulator

7. PC Player

PC-Player creates an FM channel which is transmitted on the LexCom Home network. This makes it possible to connect a PC and use it to transmit MP-3 music, Internet radio, etc over the network, to be received by any connected radio receiver or TV set.



7. PC player

8. Connecting cables

There are connecting cables for radio and TV sets, data and phone. There are even adapters for older aerial sockets.



8. Connection cables

9. Uplink modules

The uplink modules are connected to the expansion port on the data module so that it can be connected to a backbone network.



9. Uplink modules

10. ISDN adapter

The adapter is used to return analog telephone lines from an ISDN router. The router converts the digital SO bus from the terminal adapter (TA) and converts the signal to Ethernet traffic and analog phone lines.



10. ISDN adapter

11. Installation cable

Used for the fixed installation in the distribution network. The cable connects the outlets to the patch modules in the distribution centre. With its wide bandwidth and high signal capacity, the cable can handle all types of traffic (telecoms, data, radio/TV).



11. Installation cable

12. Modular jacks

Modular jacks, category 6 with quick-fit clamp and clear colour marking for wire connection and very simple connection of the wires without special tools.



12. Modular jacks

13. Wall outlets

The modular jacks fit into a single or double outlet, available in various designs. Label window for outlet identification. For surface or flush mounting in an apparatus box with 60 mm centres.



13. Wall outlets

Lexel Group in brief

The Lexel Group is one of Europe's leading suppliers of installation solutions for power, telecom, datacom and control applications with special focus on 'smart buildings', i.e. buildings equipped with technology providing increased levels of comfort, economy and security.

The Lexel product programme includes everything from switches, outlets, installation materials and installation systems for cable management to communication networks, security systems, and systems and software for control of building functions.

Respect for the environment is an integral part of all Lexel activities. One example is the development and certification of environmental management systems complying with ISO 14000. In the field of polymers Lexel is working to eliminate the use of heavy metals and ozone-depleting substances.

The Lexel Group is owned by Schneider Electric of France and has its operational head office in Stockholm. The Group has a turnover of over EUR 700 million and employs some 6000 people.

Lexel is a market leader in the Nordic countries, Poland and the Baltic States, but is also strongly placed in Russia and a number of other European countries. Sales are effected through subsidiaries in 18 countries and distributors in more than 30.



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