2012-2013 Edition

LEGRAND CABLING SYSTEM²

PERFORMANCE
FROM TECHNICAL ROOM
TO WORKSTATION

L legrand®

LEGRAND CABLING SYSTEM²
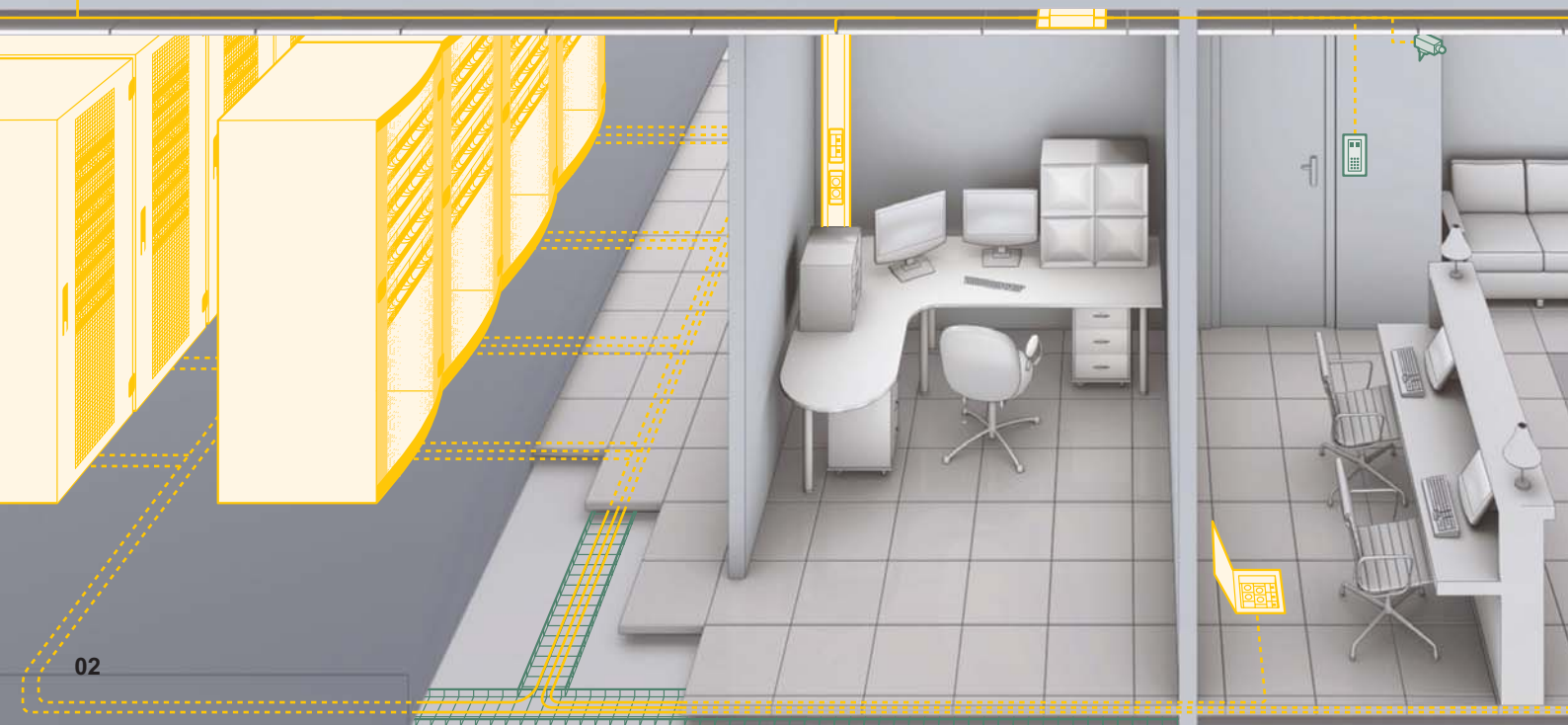
LCS²
from technical room
to workstation

■ LCS² Cabling system products

Complete systems with a 20-year guarantee.
The new LCS² cat. 6A (up to 500 MHz),
cat. 6 (up to 250 MHz) and cat. 5e (up to 100 MHz)
systems have been designed as coherent entities
to optimise their performance.
The systems are suitable for optical fibre cables as
well as copper cables.
See pages 14 to 39

■ Legrand Synergies

The new LCS² systems integrate perfectly
in the various other Legrand solutions:
DLP trunking system, cabling accessories,
cable management, etc.
See pages 40 to 53

Towards network convergence.
The IP convergence products (IP telephony,
IP remote monitoring, IP access control)
can also be a part of the LCS² systems.

Area distribution box

RJ 45 socket

Access control

2

3

4

LCS²

Patch panel

Switch Mosaic

Cabling unit

PHOTO

CCTV IP dome camera

Fibre optic socket

3

LCS² APPLICATION EXAMPLE

CAMPUS

1

CCTV IP compact camera

2

DLP trunking system
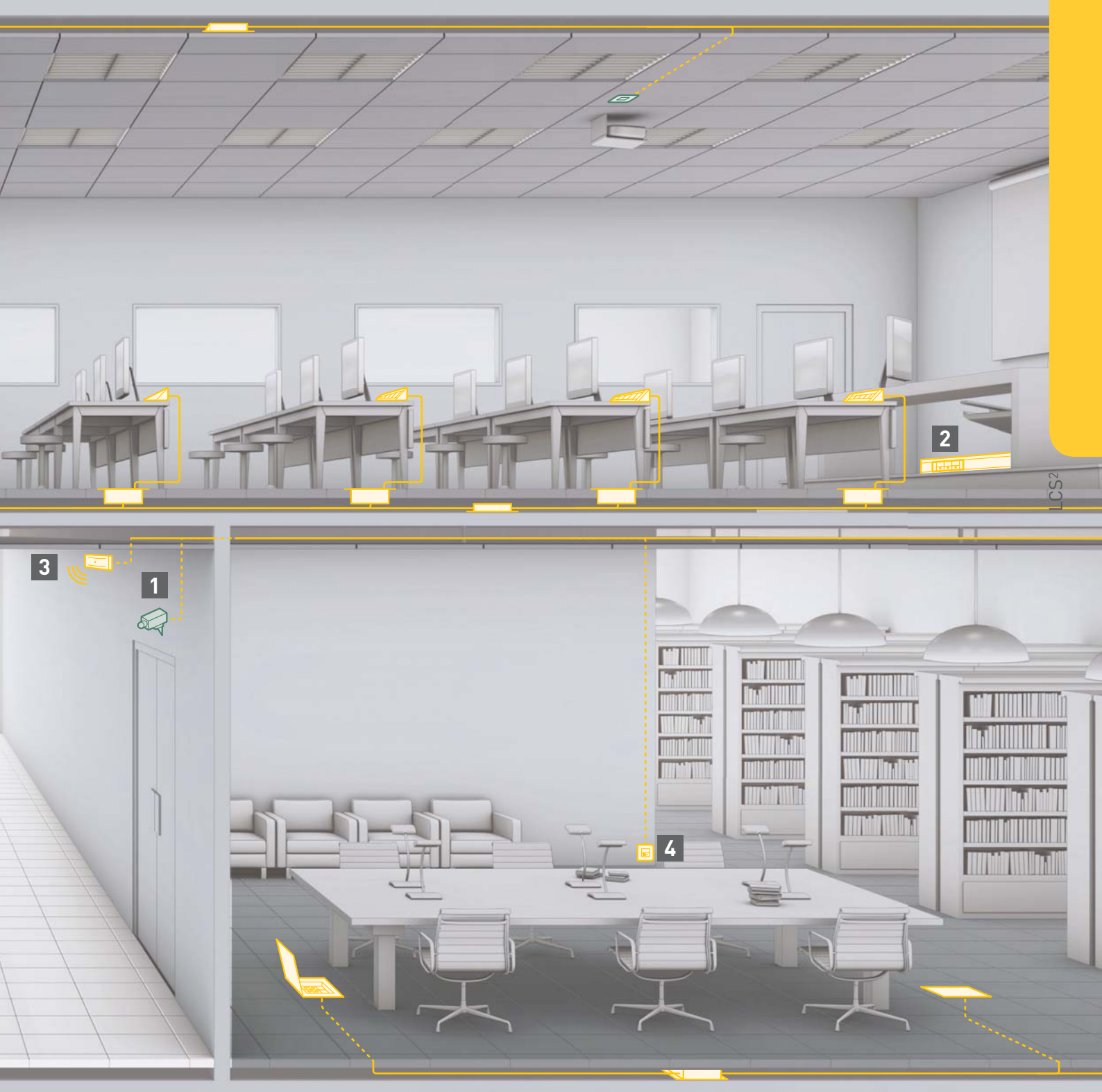
3 Wi-Fi access point

4 RJ 45 with controlled access

LCS²
APPLICATION
EXAMPLE

HOTEL

RJ 45 sockets 45°

Retractable RJ 45 socket

Supervisory controller and Wi-Fi access point

19" wall-mounting cabinet

System guaranteed
performance of the Legrand systems

Measurements of LCS[2] components and links, validated by independent laboratories 3 P Third Party Testing and ETL, have highlighted its triple performance.
Performance of the transmission in cat. 6A, performance of the installation, performance of the maintenance.

1 Performance of the transmission in cat. 6A
For long distance, 10 Giga guarantees only slight signal loss for 100 m. For short distance, 10 Giga guarantees a good echo resistance for 15 m.

2 Performance of the installation
The values measured widely exceed the requirements of the ISO 11801 standard, Edition 2, amendment 2, thus providing a safety margin to conform to the most rigorous constraints of the installation.

3 Performance of maintenance
Being committed to deliver a durable LCS[2] system, Legrand gives a 20-year guarantee on its performance.

Note: all LCS[2] products are RoHS compliant.

G A R A N T I E
20 ans
PERFORMANCE
□ legrand

Category 6A			COMPONENT MEASUREMENT		LINK MEASUREMENT (CHANNEL)	
			STP		Class E$_A$ / cat. 6A	
			500 MHz	250 MHz	500 MHz	250 MHz
	Network protocol supported		10 Giga	1 Giga	10 Giga	1 Giga
Attenuation (dB) Loss of signal		LCS[2]	0.13	0.06	35.4	24.1
		ISO 11801 Standard, Edition 2, Amendment 2[2]	0.45 max.	0.32 max.	42.1 max.	28.9 max.
		TIA/EIA-568-C.2	0.45 max.	0.32 max.	49.3 max.	33.9 max.
Return Loss (dB) Echo resistance		LCS[2]	17.85	26.59	16.4	22.1
		ISO 11801 Standard, Edition 2, Amendment 2[2]	14 min.	20 min.	8 min.	10 min.
		TIA/EIA-568-C.2	14 min.	20 min.	6 min.	8 min.
Next (dB) Resistance to interference between pairs[1]		LCS[2]	37.46	56.93	38.1	54
		ISO 11801 Standard, Edition 2, Amendment 2[2]	37 min.	46 min.	29.2 min.	35.3 min.
		TIA/EIA-568-C.2	34 min.	46 min.	26.1 min.	33.1 min.
ACR-N (dB) (Alien Crosstalk Ratio) Actual power supplied		LCS[2]	37.33	56.87	2.7	29.9

(1) Measurements taken on the 3-6 and 4-5 pairs   (2) Values taken from the draft of the ISO 11801 standard Edition 2 amendment 2
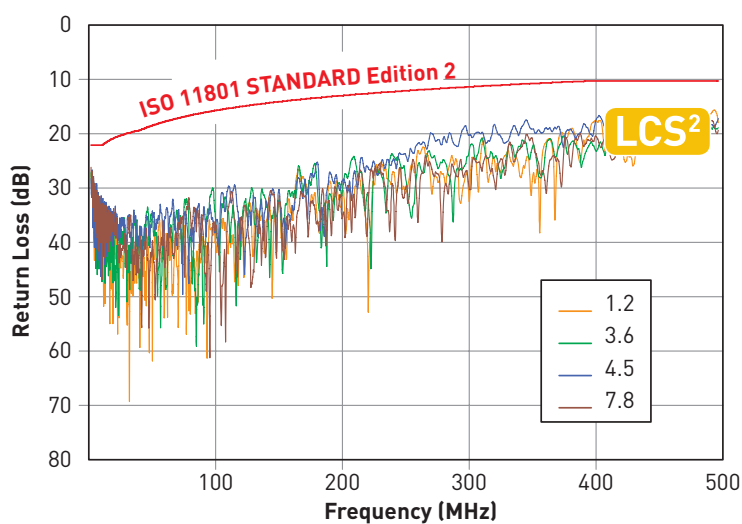
Measurement of the Return Loss on a class E_A link
On each pair, the performances of LCS² are significantly higher than the values required by the ISO 11801 Standard, Edition 2, amendment 2.

Category 6		COMPONENT MEASUREMENT			LINK MEASUREMENT (CHANNEL)
		STP	FTP	UTP	Class E / cat. 6
		250 MHz	250 MHz	250 MHz	250 MHz
	Network protocol supported	1 Giga	1 Giga	1 Giga	1 Giga
Attenuation (dB) Loss of signal	LCS²	0.09	0.09	0.09	25.7
	ISO 11801 Standard, Edition 2, Amendment 2[2]	0.32 max.	0.32 max.	0.32 max.	30.7 max.
	TIA/EIA-568-C.2	0.32 max.	0.32 max.	0.32 max.	35.9 max.
Return Loss (dB) Echo resistance	LCS²	29.8	29.8	29.8	38.8
	ISO 11801 Standard, Edition 2, Amendment 2[2]	16 min.	16 min.	16 min.	10 min.
	TIA/EIA-568-C.2	16 min.	16 min.	16 min.	8 min.
Next (dB) Resistance to interference between pairs[1]	LCS²	51.3	51.3	51.3	53.9
	ISO 11801 Standard, Edition 2, Amendment 2[2]	46 min.	46 min.	46 min.	35.3 min.
	TIA/EIA-568-C.2	46 min.	46 min.	46 min.	33.1 min.
ACR-N (dB) (Alien Crosstalk Ratio) Actual power supplied	LCS²	51.21	51.21	51.21	28.2

(1) Measurements taken on the 3-6 and 4-5 pairs   (2) Values taken from the draft of the ISO 11801 standard Edition 2 amendment 2
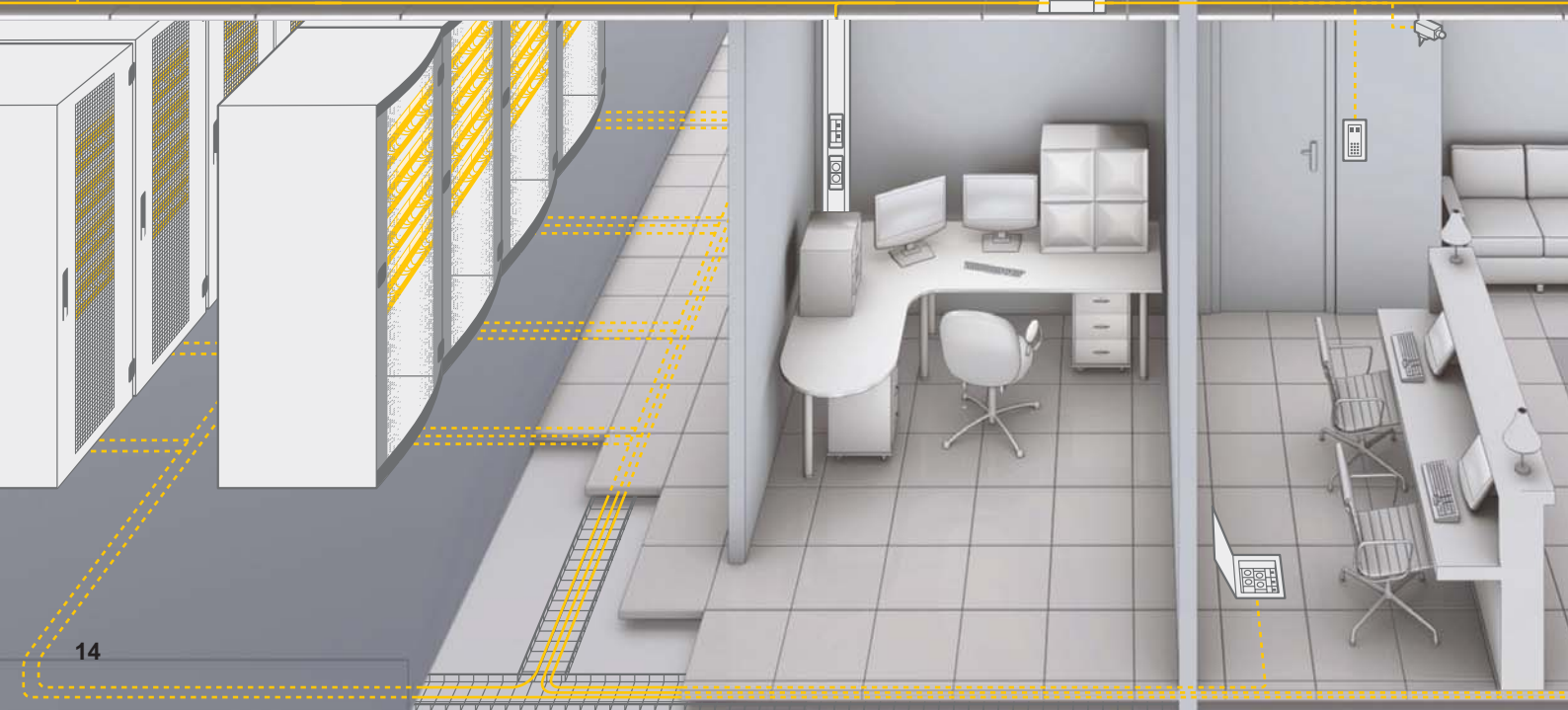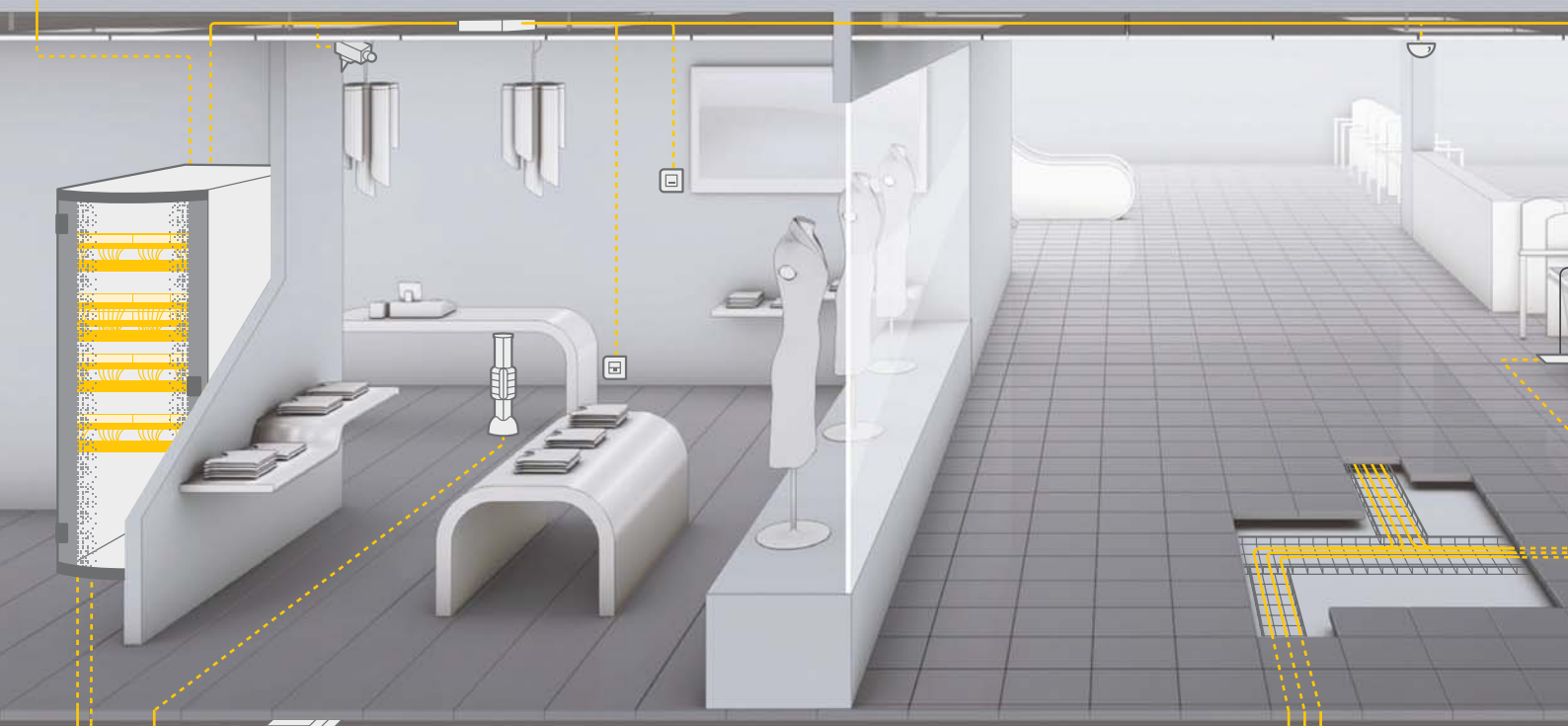
LCS² COPPER
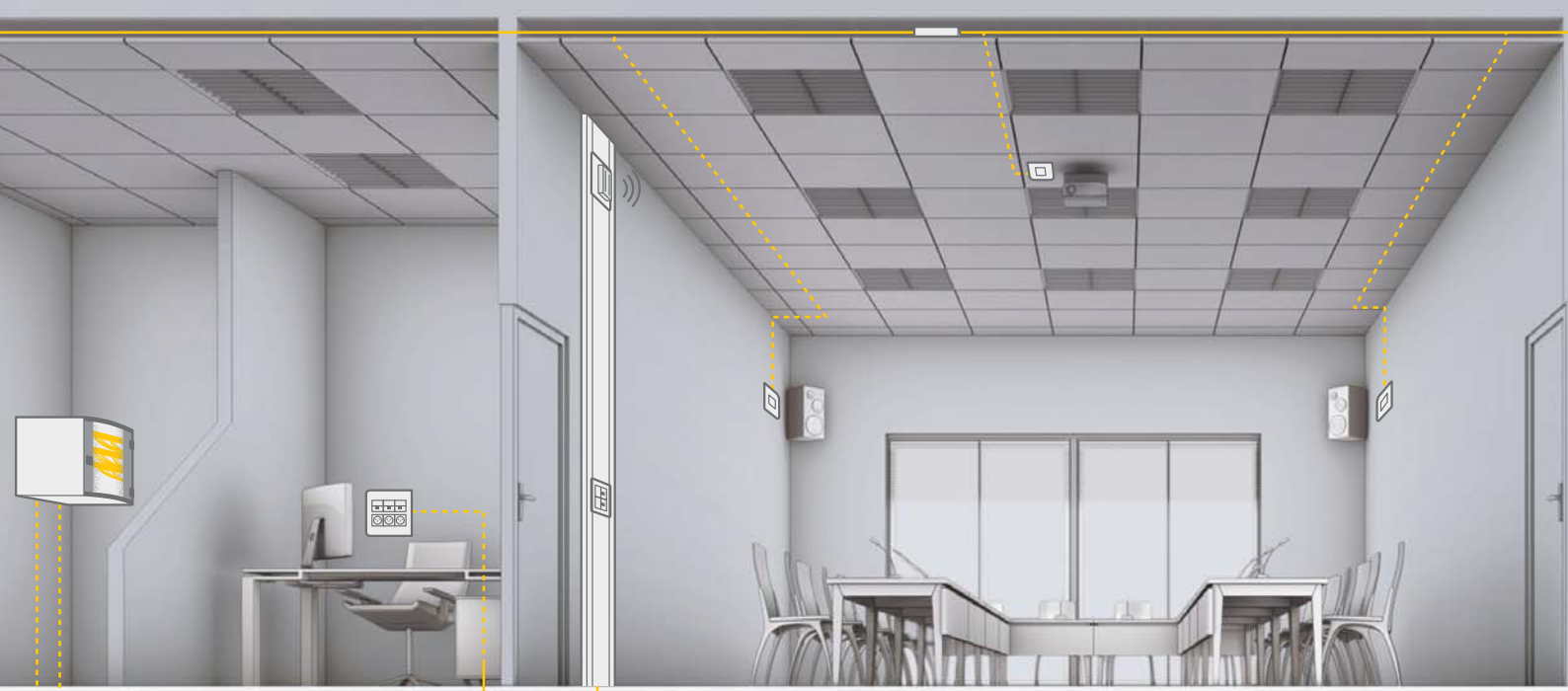## A complete system up to 10 Gbits/s

Connectors
See pages 16 to 17

Patch panels
See pages 18 to 19
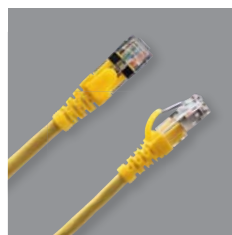
Patch cords and cables
See pages 20 to 21
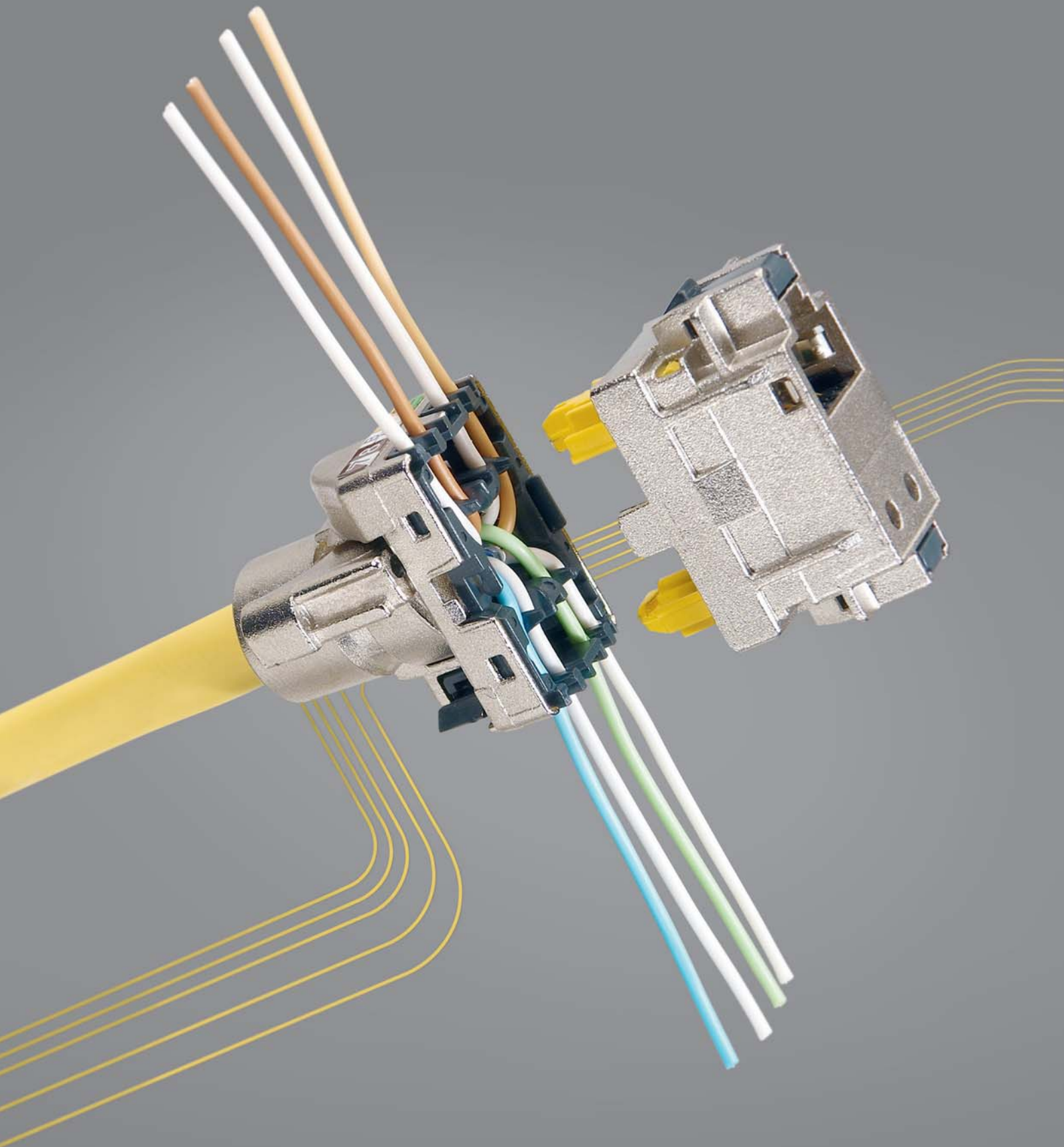
New LCS² connector
Performance of the installation

RJ 45 connector is the core element contributing to the performance of the LCS² system.
You can obtain a perfect connection within a few seconds guaranteeing an optimum performance of the link from the patch panel to the RJ 45 socket (see page 46).
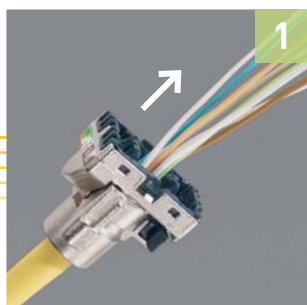
Insert the cable in the rear part
Visibility of the marking as per the TIA/EIA code.
Takes all cables currently available on the market:
U/UTP, F/UTP and SF/UTP.
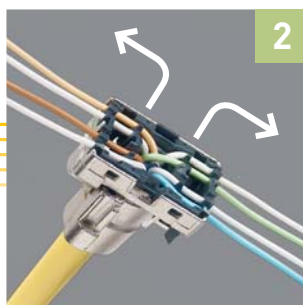
Separate and insert the strands
Intuitively maintain 13 mm, no need to measure.
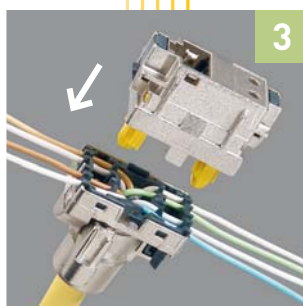
Add the upper part of the connector
The tamperproof insert gives ease of movement.
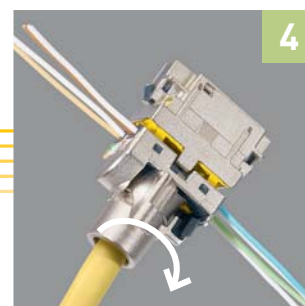
Turn to guarantee the connection
Simply turn to flatten the strands simultaneously. Cut them, and the connector is ready!

Performance all categories

Thanks to the connectors
LCS² cat. 6A shielded 360° 500 MHz – 10 Gbits/s.
LCS² cat. 6 shielded 360° 250 MHz – 1 Gbits/s.
LCS² cat. 6 shielded and unshielded
250 MHz – 1 Gbits/s.
LCS² cat. 5e shielded and unshielded.

2 ergonomic options

– Workstation.
– Patch panels.
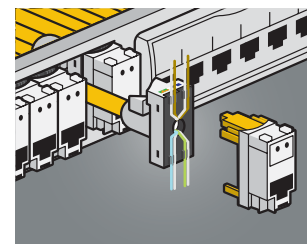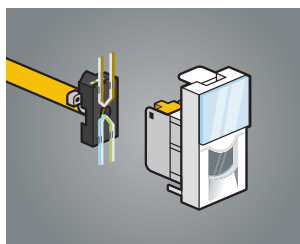
LCS² Patch panels
Performance of maintenance

The design of the new LCS² patch panels optimises the mounting and maintenance.
Maintaining the cables with cable guides, blocks of 6 RJ 45 connectors, clipping and unclipping each connector from the front panel.

Better fixing by clamp
Cable maintained in its cable guide.

Room for maintenance
Simple unclipping of LCS² connectors.

Panels provided with quick-fixing system
Universal mounting any rack or cabinets.

The new LCS² panels can also be fitted with:

Telephone block

FC type video broadcast block

LC fibre optic cassette

Legrand cables and cords
coherence and performance

To ensure total coherence of its LCS[2] cat. 6A, cat. 6 and cat. 5e systems,
Legrand offers a range of 4 twisted pair cables in the four types: U/UTP, F/UTP, S/FTP, SF/UTP.

■ **High-quality manufacturing**
Manufactured to high quality standards, with thicker insulation to reduce the effects of crosstalk, and reduction of the twist pitch of the pairs: the quality of Legrand cables is suitable for the LCS[2] category 6A, category 6 and category 5e systems, ensuring high performance from the patch panel right through to the RJ 45 socket. What's more, Legrand offers its cables in 2 versions with sheaths suitable for different environments: LSZH and PVC. The 3P laboratory has certified all the Legrand cables to be compliant with the ISO IS 11 801, EN 50173-1 standards and TIA/EIA-568-C.2.
See catalogue pages

Legrand cat. 6A F/UTP cable.

Legrand cat. 6 F/UTP cable.

Legrand cat. 6 SF/UTP cable.

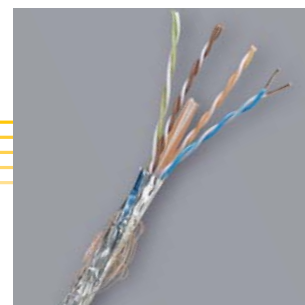|	SHEATH	MARKING	STORAGE/TRANSPORT TEMPERATURE	OPERATING TEMPERATURE
CAT. 7 S/FTP CABLE 100 OHMS	LSZH in accordance with NFC 32062 with flame retardant effect in accordance with IEC 60332-1 & NFC 32070 2.1 Ø 7.5 mm – Colour yellow RAL 1018	LEGRAND 32777 4 pair 23 AWG S/FTP 100 ohms LSZH CAT. 7 900 MHz – VERIFIED TO ISO 11801 IEC 60332-1 EN 50173 – TIA/EIA 568C – VPN/NVP .....% Batch no. + length in metres	0 to +50 °C	–20 to +60 °C
CAT. 6ᴀ F/UTP CABLE 100 OHMS	LSZH in accordance with NFC 32062 with flame retardant effect in accordance with IEC 60332-1 & NFC 32070 2.1 Ø 7.8 mm – Colour yellow RAL 1018	LEGRAND 32778 4 pair 24 AWG F/UTP 100 ohms LSZH CAT. 6ᴀ 500 MHz – VERIFIED TO ISO 11801 IEC 60332-1 EN 50173 – TIA/EIA 568C – VPN/NVP .....% Batch no. + length in metres	0 to +50 °C	–20 to +60 °C
CAT. 6 U/UTP CABLE 100 OHMS	PVC or LSZH in accordance with NFC 32062 with flame retardant effect in accordance with IEC 60332-1 & NFC 32070 2.1 Ø 6.4 mm – Colour blue RAL 5015	LEGRAND (4 pair or 2x4 pair) 24 AWG UTP 100 ohms 250 Mhz (PVC or LSZH) CAT. 6 250 MHz – EC VERIFIED TO ISO 11801 IEC 60332-1 EN 50173-1 TIA/EIA 568A Batch no. + length in metres	0 to +50 °C	–20 to +60 °C
CAT. 6 F/UTP CABLE 100 OHMS	PVC or LSZH in accordance with NFC 32062 with flame retardant effect in accordance with IEC 60332-1 & NFC 32070 2.1 Synthetic water repellent tape Ø 7 mm – Colour blue RAL 5015	LEGRAND (4 pair or 2x4 pair) 24 AWG FTP 100 ohms 250 Mhz (PVC or LSZH) CAT. 6 250 MHz – EC VERIFIED TO ISO 11801 IEC 60332-1 EN 50173-1 TIA/EIA 568A Batch no. + length in metres	0 to +50 °C	–20 to +60 °C
CAT. 6 SF/UTP CABLE 100 OHMS	PVC or LSZH in accordance with NFC 32062 with flame retardant effect in accordance with IEC 60332-1 & NFC 32070 2.1 Synthetic water repellent tape Ø 7.7 mm – Colour blue RAL 5015	LEGRAND 4 pair 24 AWG SFTP 100 ohms 250 Mhz (PVC or LSZH) CAT. 6 250 MHz – EC VERIFIED TO ISO 11801 IEC 60332-1 EN 50173-1 TIA/EIA 568A Batch no. + length in metres	0 to +50 °C	–20 to +60 °C
CAT. 5e U/UTP CABLE 100 OHMS	PVC or LSZH in accordance with NFC 32062 with flame retardant effect in accordance with IEC 60332-1 & NFC 32070 2.1 Ø 5.2 mm – Colour light grey RAL 7035	LEGRAND CAT.NO (4 pair or 2x4 pair) 24 AWG UTP 100 ohms (PVC or LSZH) CAT. 5e EC VERIFIED TO ISO 11801 IEC 60332-1 EN 50173-1 TIA/EIA 568A Batch no. + length in metres	–15 to +70 °C	+5 to +40 °C
CAT. 5e F/UTP CABLE 100 OHMS	PVC or LSZH in accordance with NFC 32062 with flame retardant effect in accordance with IEC 60332-1 & NFC 32070 2.1 Ø 5.5 mm – Colour light grey RAL 7035	LEGRAND CAT.NO (4 pair or 2x4 pair) CAT. 5e EC VERIFIED TO ISO 11801 IEC 60332-1 EN 50173-1 TIA/EIA 568A Batch no. + length in metres	–15 to +70 °C	+5 to +40 °C
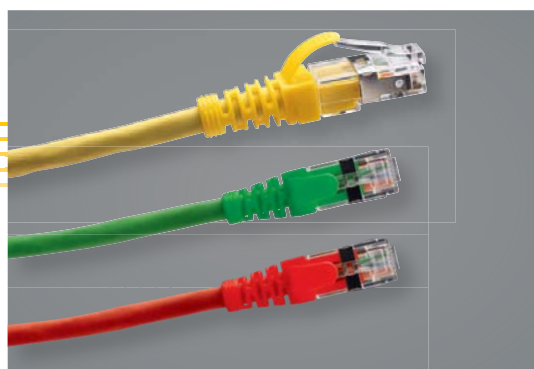
Ensure high-quality continuity: perfect plug connection and transmission performance… Available in several colours.

■ Individually tested cords

Legrand patch cords ensure high-quality continuity in a cabling system like other components. Legrand therefore takes the same care with the quality of its complete range of RJ 45 cords, which are certified by the 3P laboratory as compliant with the standards. **See catalogue pages**

■ Tests on all parameters

Legrand cords are individually tested, both for continuity and transmission performance. All the parameters are measured: CR, ACR, NEXT, Return loss, Attenuation, etc. Cords which do not meet the criteria are rejected. These tests guarantee transmission performance from one end of the system to the other, with both class D and class E.

■ Universal cords

Available in cat. 6ᴀ, cat. 6 and cat. 5e versions and in the three cabling types (U/UTP, F/UTP and SF/UTP). Legrand cords are available in different lengths, thus offering considerable flexibility of use.
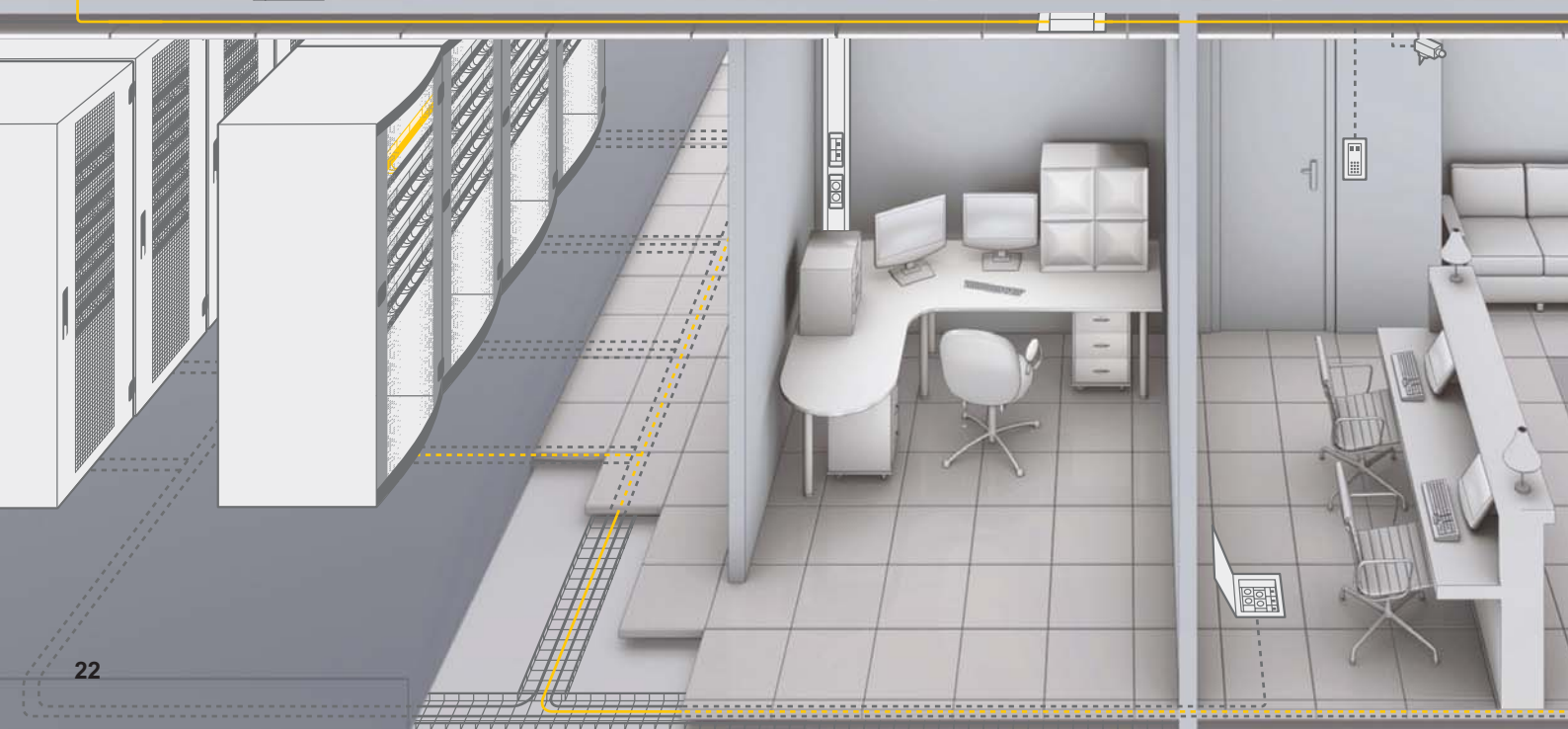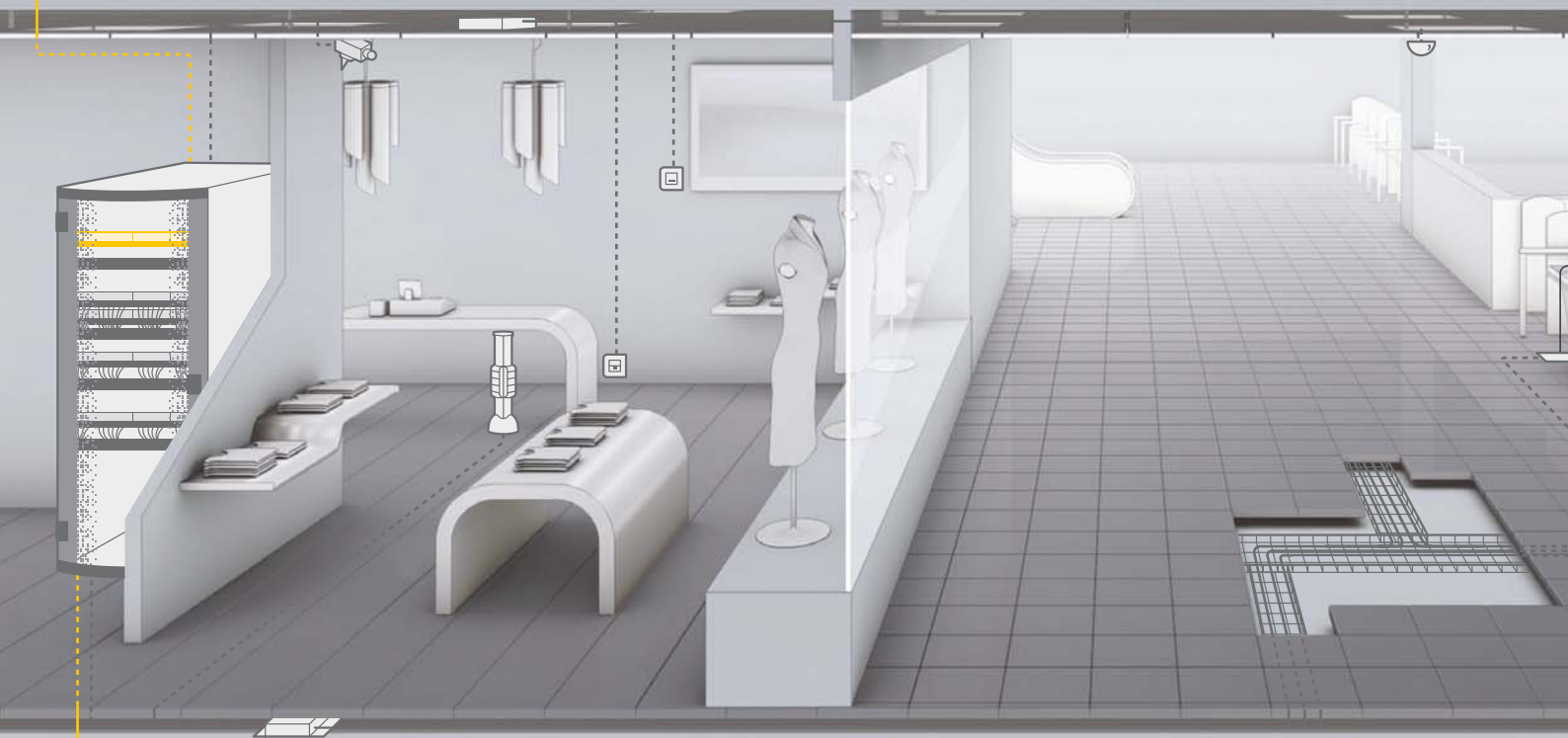
LCS² FIBRE OPTIC
A simple
and reliable option

Fibre optic drawers
See pages 24 to 25

Connecting fibres
See pages 26 to 27
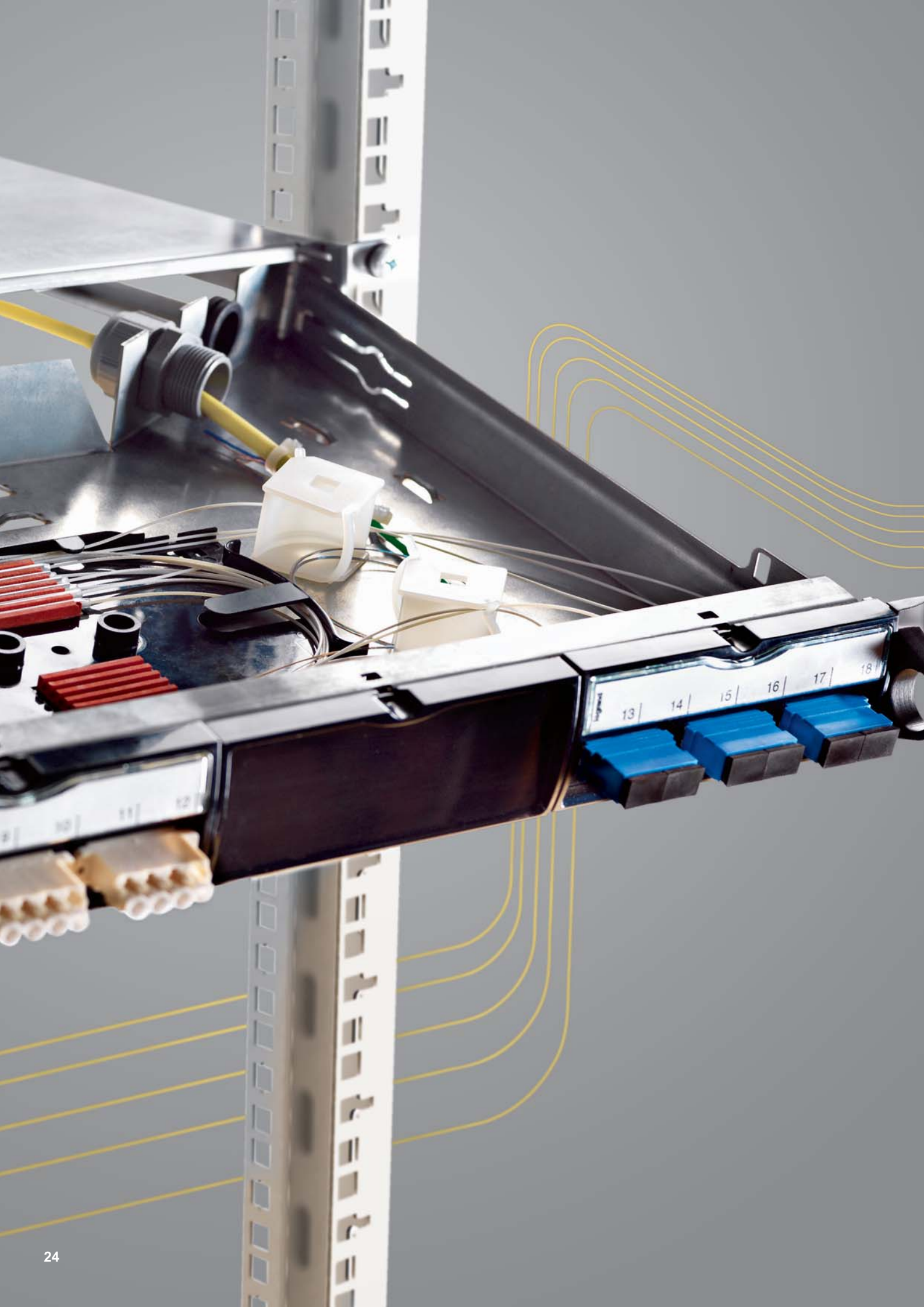
LCS² Fibre optic drawer
Complete accessibility and ease in coiling

The new LCS² Fibre optic drawer gives a better comfort in installation and maintenance.
Reinforcements facilitating the opening and closing, end stop inclined at 30° for complete accessibility, coiling the fibres ensured by the in-built coiling accessories...

19" Fibre optic drawer
Up to 4 fibre optic blocks can be fitted:
from 24 fibres ST or SC, 48 fibres LC.
Equipped with grip handles.
Height: Modular 1U.

19" High density fibre optic drawer
Up to 3 fibre optic blocks can be fitted:
from 36 fibres ST or SC, 72 fibres LC.
Equipped with grip handles.
Height: Modular 1U.
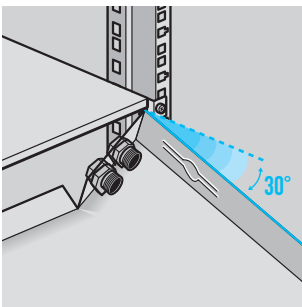
Total accessibility
End stop, inclined at 30°.
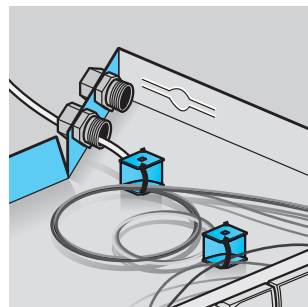
Easier cable management.
Integrated coiling accessories.
Rear in the form of a tail
to facilitate connection of incoming cables.

Can take all fibre optic connector blocks

LC connector block
19" Fibre optic drawer

SC connector block
19" Fibre optic drawer

SC connector block
19" High density fibre optic drawer

Connecting fibres
Legrand simplicity and performance

Legrand solutions, including the rapid crimping connection process and pre-fitted fibre optic links on demand have made a significant contribution to placing fibre optics within the reach of installers, particularly for links within buildings or between buildings, over distances of less than two kilometres.

■ **The basic steps**
Preparation of the fibre :

1

Stripping

2
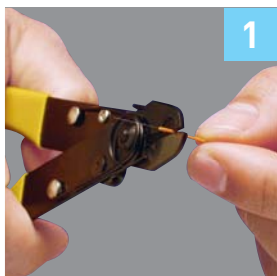
Cleaving

■ **Connection takes just 3 minutes with Legrand rapid connectors**
The average time for making this connection is less than 3 minutes with rapid connectors Cat.Nos 0 326 52 to 0 326 61 incorporating a factory pre-polished fibre. After the operations to prepare the fibre, there is no longer any need to glue or polish, or to check the quality of the connection under a microscope! No oven, no drying. The factory pre-polished connectors ensure that the operation is simple and results in a high-quality connection.

3
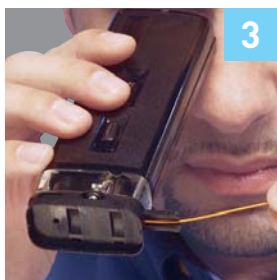
Inspection

Tip

Consider leaving some fibres in reserve for future development of the installation. If you require 2 or 4 fibres now, install cables with 6 or 8, or if you require 6 to 8 fibres now, install cables with 10 to 12.

■ **Connection**
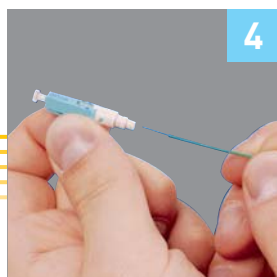
4

Insert the fibre in the connector

5

Slide the switch on the connector – the splice is done

6
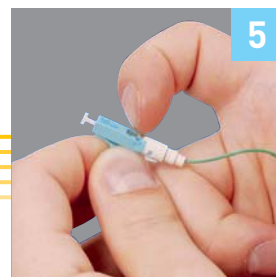
Slide the boot onto the connector

Pre-fitted
fibre optic

Pre-fitted fibre optic links on demand:
save time and cut risk to a minimum.
Order your own individual solution: pre-fitted and factory tested, it will save you time on site while ensuring a high level of link reliability. This minimises the risk of malfunction during the installation, thereby simplifying the acceptance test.

■ **What is delivered?**
Each link is supplied with a test report. Length stands from connector to connector, in metres. Links up to 50 m are conditioned in boxes (reel optional) and those over 50 m are supplied by reel. Connectors are protected by a sheath. Pulling ring included. Multimode 62.5/125 μm cable complies with OM1 category, 50/125 μm with OM2 or OM3 category and single mode with OS1 category.

■ **How to order**
1. Once your preparatory installation work is done, determine the required length of cable.
2. Indicate the required type of fibre:
   - indoor, indoor/outdoor or outdoor
   - multimode 62.5/125 μm or 50/125 μm or single mode 9/125 μm
   - number of cores (4, 6, 12, 24 for indoor applications, outdoor applications and indoor/outdoor applications)
3. Specify the type of connector: ST, SC or LC.
4. State your preferred form of delivery: box or reel.

For further information
Please contact us!
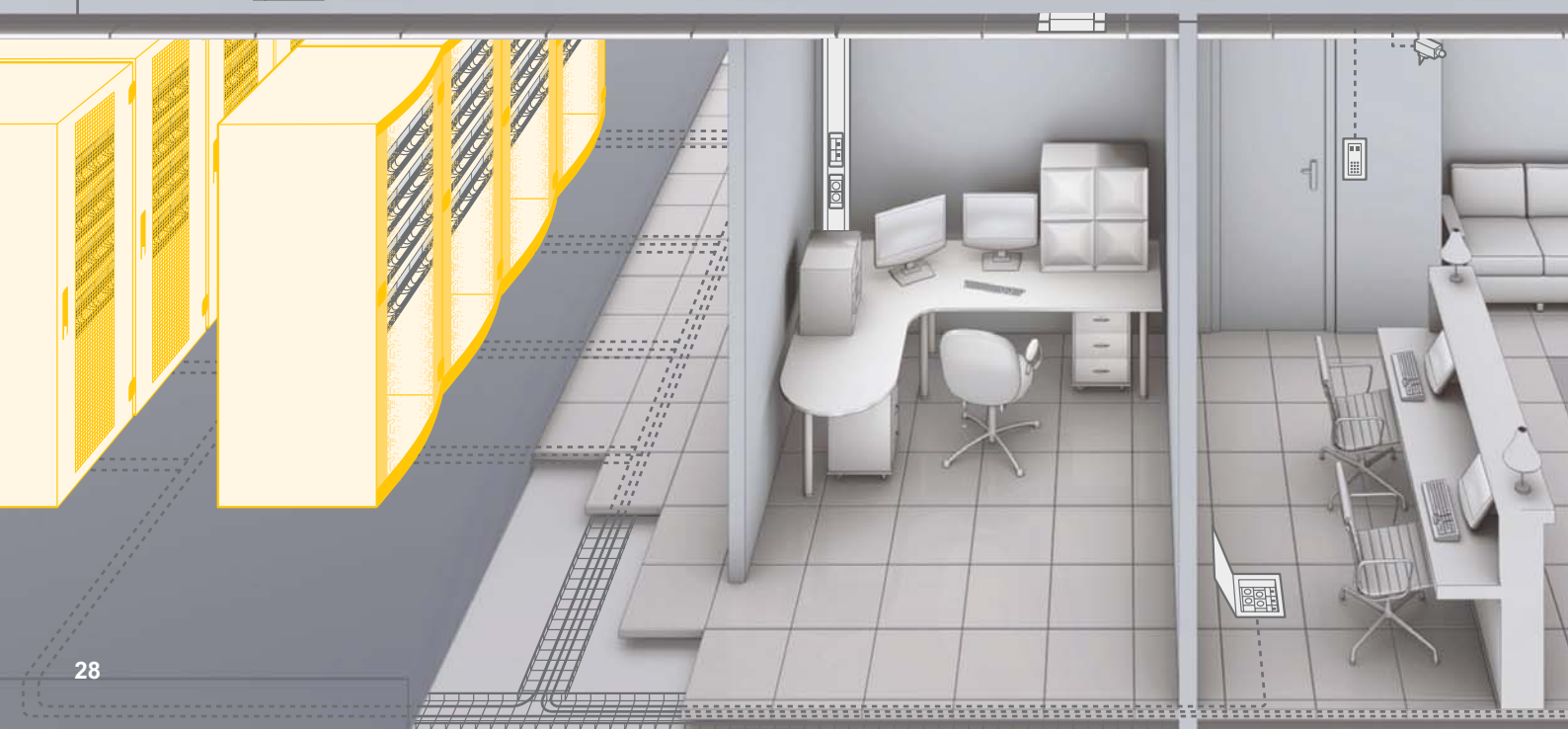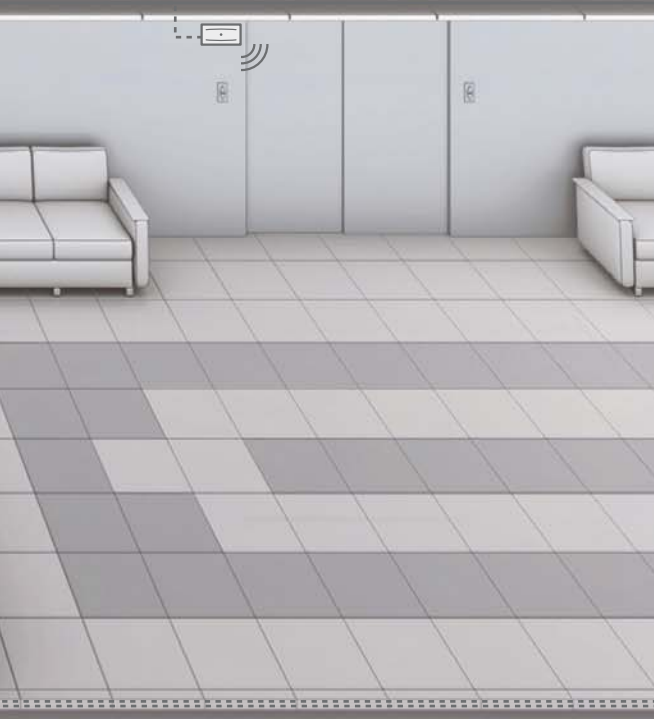
LCS² ENCLOSURES AND CABINETS

Easy installation and efficient maintenance

Enclosures
See pages 30 to 33
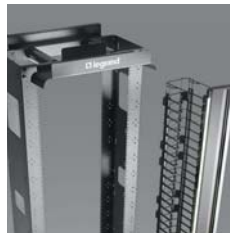
Racks
See pages 34 to 35

Server enclosures
See pages 36 to 37

Wall mounted cabinets
See pages 38 to 39

19'' LCS² enclosures
Optimised management of cables and patch cords

The design of the new LCS² enclosures facilitates managing the cables and patch cords.
Easy association of a unit dedicated for cords, cable entry at the top made easy, new feedthrough panels for perfect organisation of patching...

1

Enclosures
The structure allows easy cable entry at the top and bottom of the enclosure. In the case of reduced room access space the structure can be completely dismantled.

5

Respecting of the bending radius
Cable management panels with rings to guide and protect the patch cords.

2

Optimised cable management
The enclosures are offering lots of space besides the 19" uprights to guide and fix large quantities of cables.

3

Linking interface
Protects the cables and guarantees the bending radius between enclosure and cable trunking.
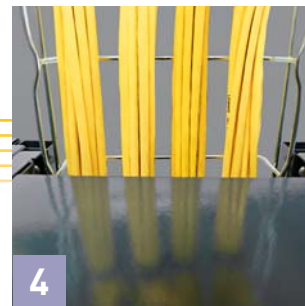
4

Easy cable entry
Enclosure and cable management unit are equipped with pre-cuts (19") that accept cable feedthrough panels.

L legrand   31
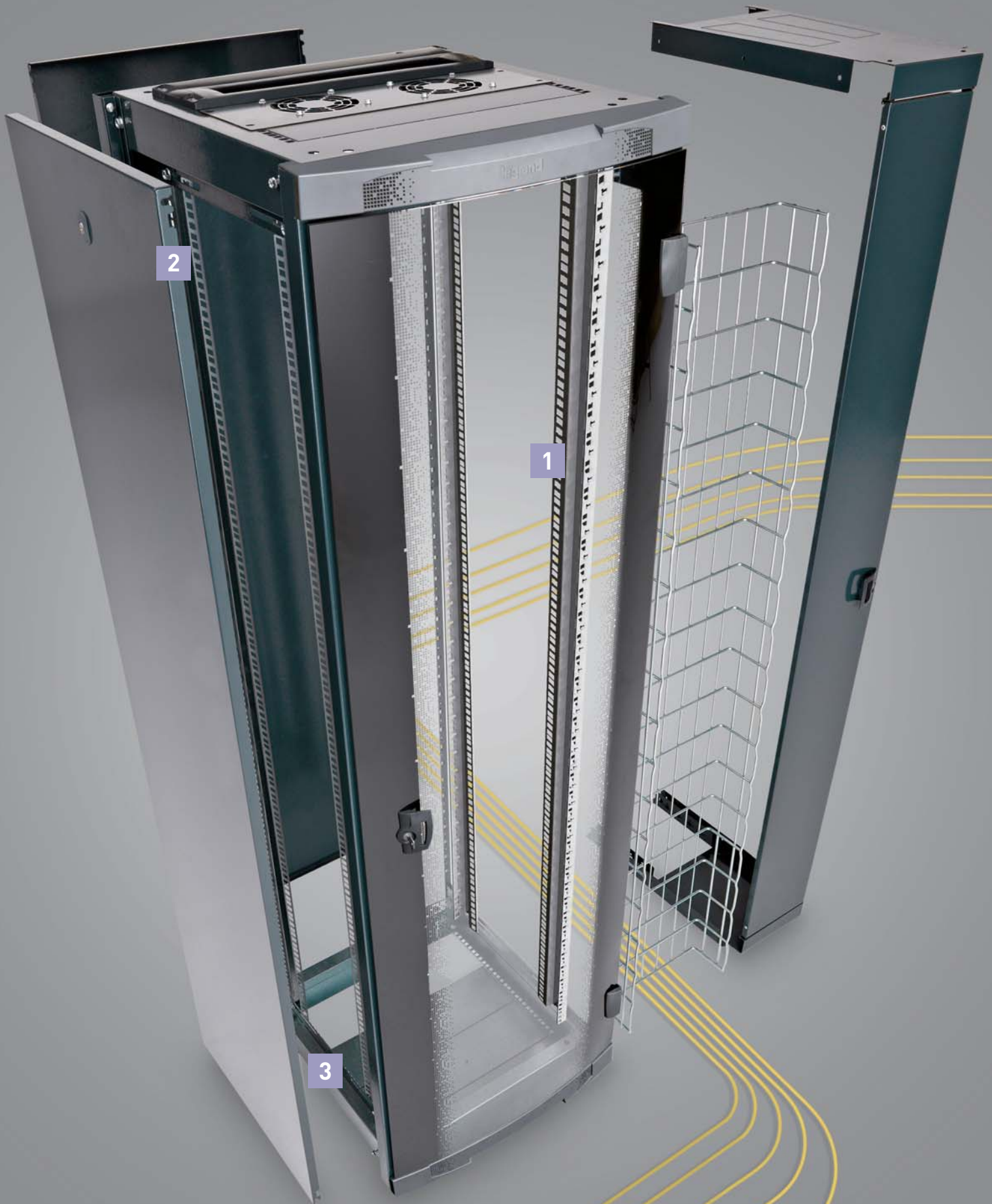
19'' LCS² enclosures
simplified assembly

The new LCS² enclosures can be very easily assembled and dismantled.
A considerable time-saving on the sites, complete accessibility thanks to the removable side and rear panels and a structure that can be entirely dismantled.

1

Easy installation
Dual marking of 19" uprights.

2

Total accessibility
A structure that can be completely dismantled.

3

Automatic grounding clip
Guarantee of grounding for the side and rear panels with the automatic grounding clip.

Combinations that answer various needs
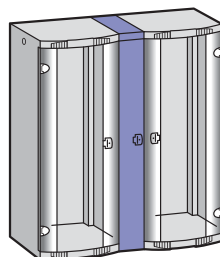
Two 600-mm-wide enclosures with a cabling unit.
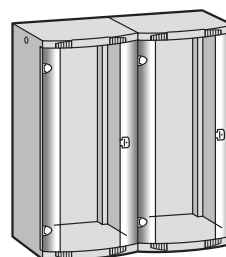
Two 800-mm-wide enclosures side by side.
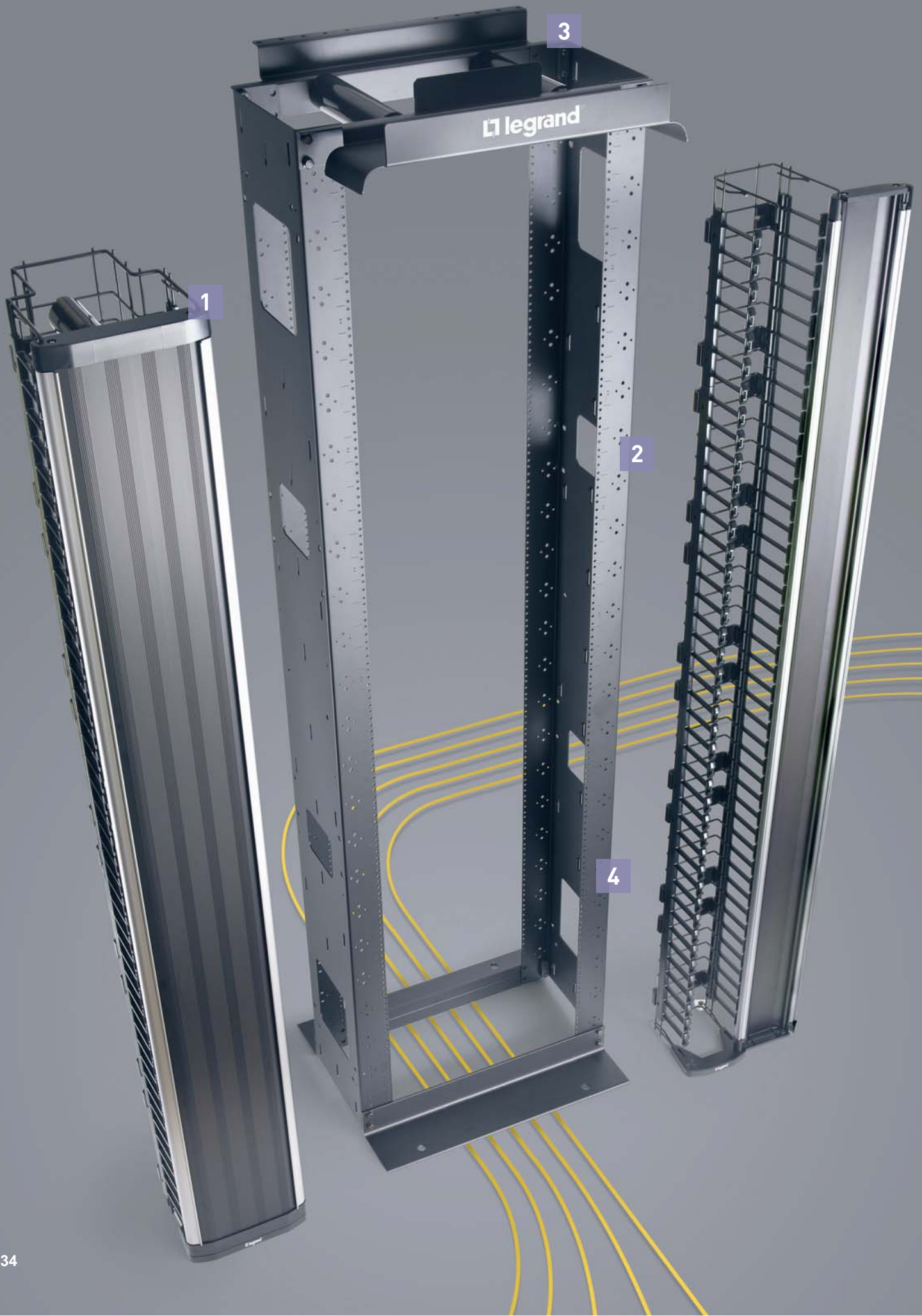
LCS² 19'' High Density racks
Advanced cable management

The new LCS² racks offer full cable management for optimizing your network performance.
In addition to the support strength, the LCS² cable management systems provide flexibility from the system design stage through to any future extensions.

Innovative cord management cages
With individual conduit for each rack unit and door that opens in both directions.

Cord management panels with cover
With conduits for vertical and horizontal cord organization.

Integrated upper trunking
For compliance with the bending radius and organized running of cords.
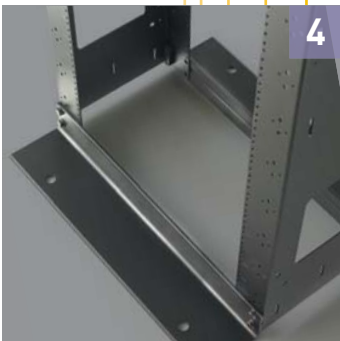
Light stainless-steel aluminium construction
With black powder finish, resistant to marks and scratches.
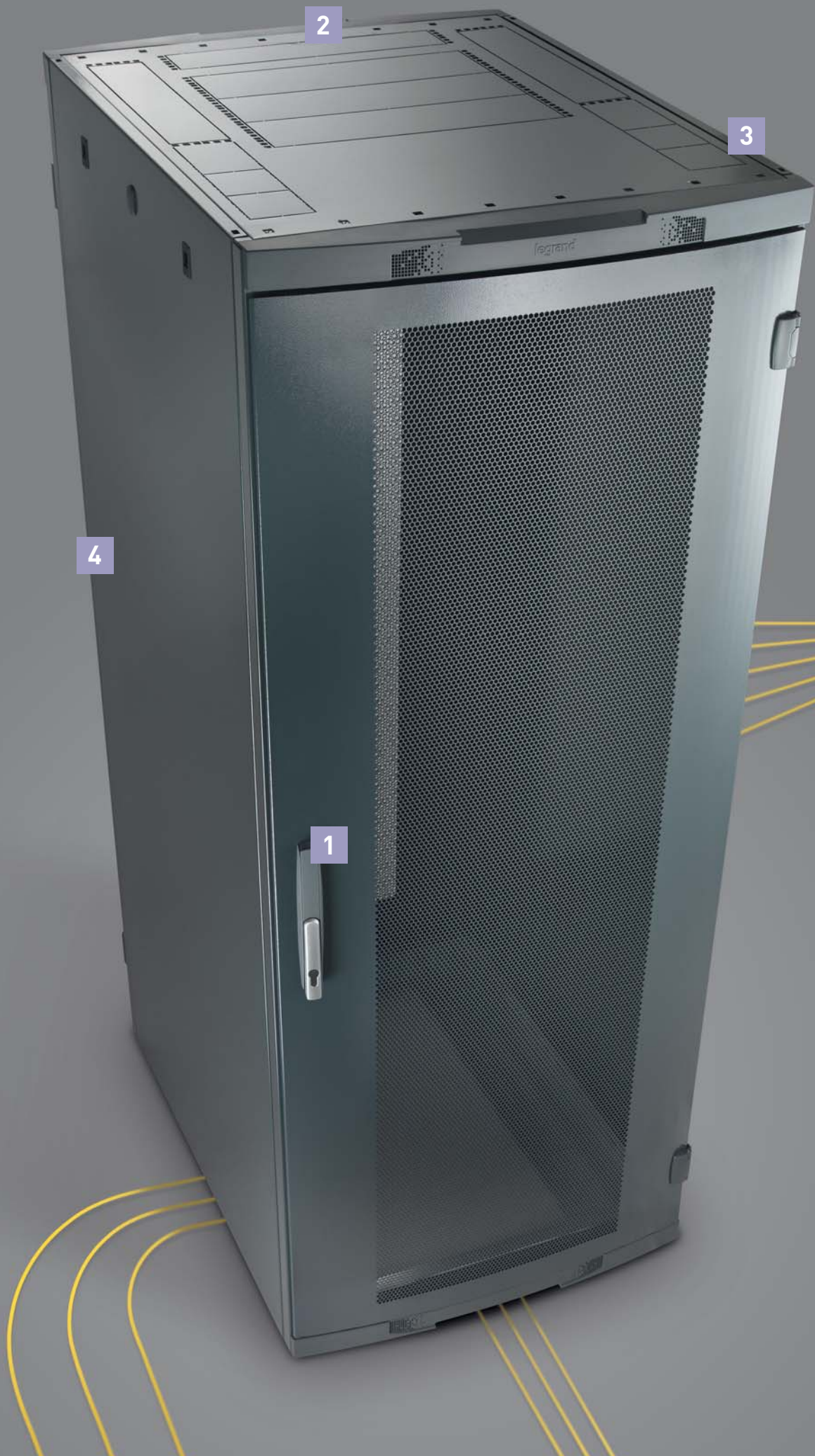
LCS² 19"
Server enclosures
Complete accessibility

The new LCS² server enclosures are designed for complete accessibility.
Complete accessibility not only via the doors and panels, but also thanks to the rooftop pre-cuts and opening of the enclosure below.

Doors and panels with keyless lock system
- front door with handle
- perforated front and rear doors - 80% microperforation.

Cable entry
- 19" High pre-cuts
- open bottom.

Cable ducting
Support with screwless tray fixing - Cablofil.

Power Distribution Unit
- different international outlets standards to supply energy to your active devices
- 19" and vertical PDU (direct mounting)

19''LCS² cabinets
Easy access, high-quality finish

The new LCS² wall-mounting cabinets can be fitted anywhere where maintaining aesthetic quality is very important.
The removable side panels and flexible cable entries (in the fixed cabinets) facilitate access for quick installation and easy maintenance.

1

Total accessibility
Also available with pivoting body to enable easy access at the back. Removable side panels on all LCS² cabinets.

2
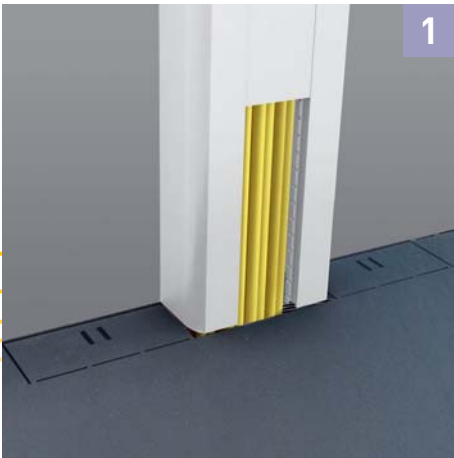
Flexible cable entries
In DLP trunking system format.
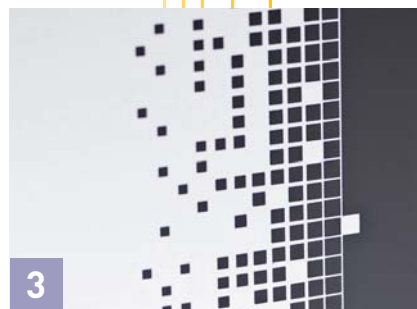
3

High-quality finish
Curved door, screen-printed glass.

Also available in 10'' version

Compact:
LCS² cabinet for small businesses.
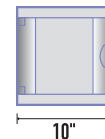
10"   19"
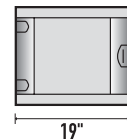
Legrand   39
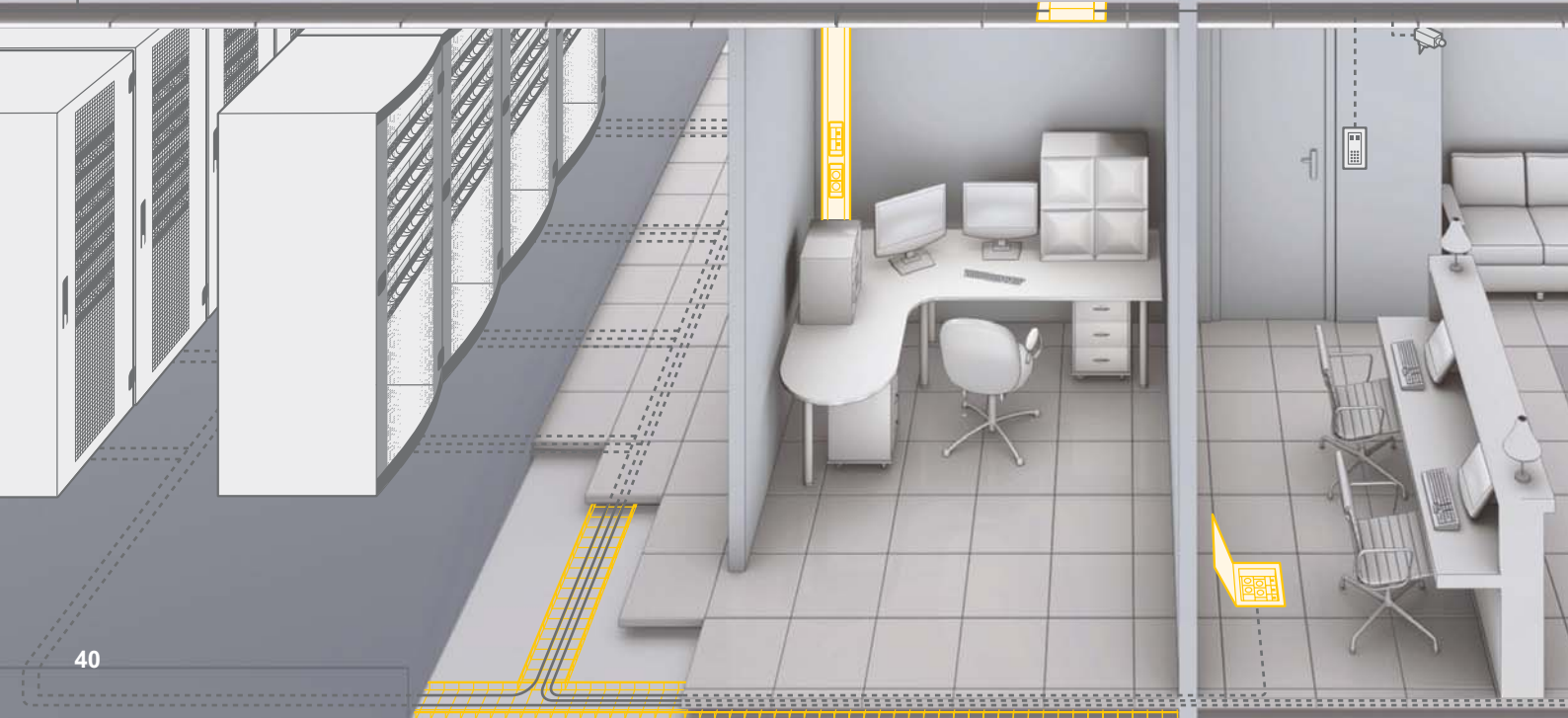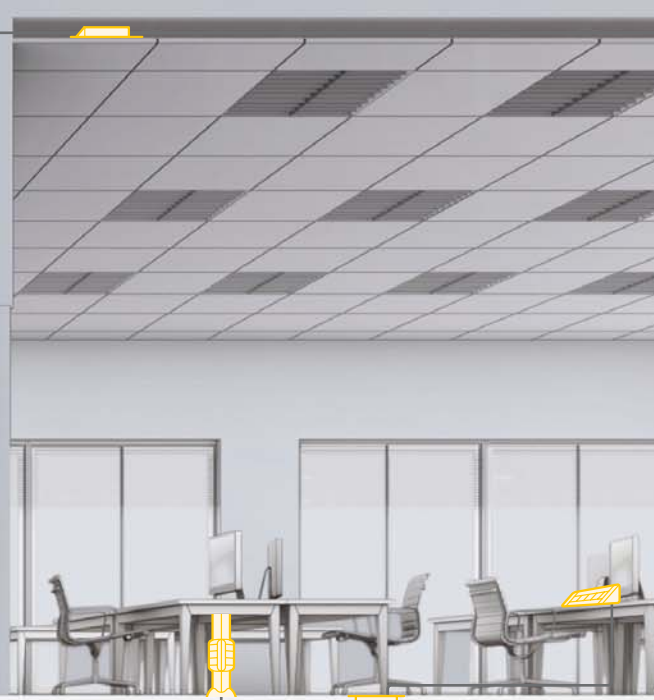
LCS2 WORKSTATION
The network at your hand

Area distribution boxes
See pages 42 to 43

Installation supports
See pages 44 to 45

RJ 45 Sockets
See pages 46 to 47

Wi-Fi
See pages 48 to 49
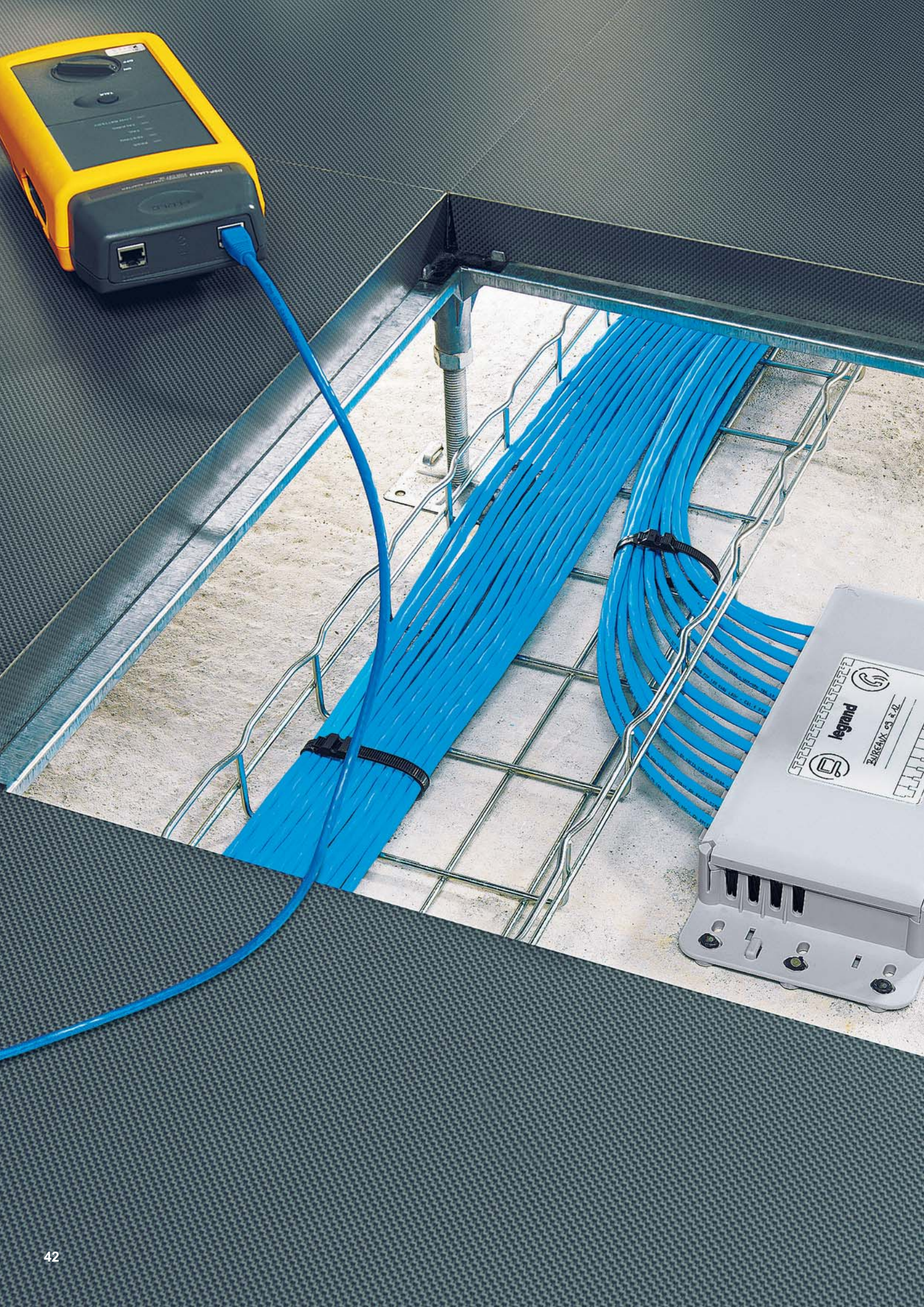
Area distribution boxes of LCS^2
consolidate and redistribute with complete ease

With the new LCS^2 area distribution boxes connected to the Mosaic or Arteor feedthrough sockets, the result is complete flexibility.
The connections close to the workstation are centralised, copper and fibre optic are in a single box, etc. and the LCS^2 performances are guaranteed.

Fibre optic/RJ 45 union
Copper and fibre are placed side by side in the same box.

Coil rack
For fibre optic.

2 blocks of 6 connectors can be fitted to connect up to 12 RJ 45 sockets
Distribution close to the installation supports (see next page).

LCS^2 Mosaic or Arteor feedthrough sockets: Quick and reliable connection, installation on all supports
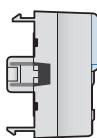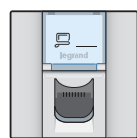
RJ 45 socket with copper feedthrough for RJ 45 – RJ 45 cord.
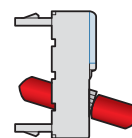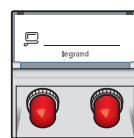
2 x ST fibre optic feedthrough socket for optical patch cord.
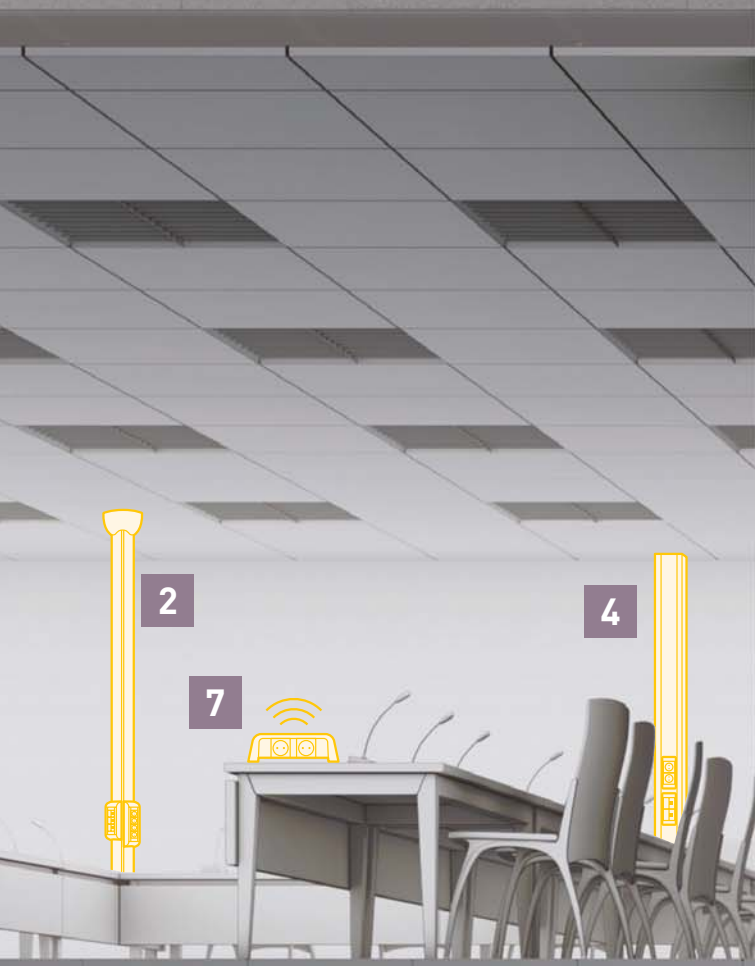
Installation support
cable management systems

Network within reach.
On the wall with trunking, on the ceiling with columns, on the ground with floor boxes and desktop multi-outlet extensions or nearby with blocks and mini-columns.
They are suitable for all work space configurations.

1

Mini-columns

2

Columns

3

Cablofil

4

Snop-on trunking

5

Floor boxes

6

Desktop multi-outlet extensions

7

Meeting room modules

8

Office modules

End-to-end solutions:
Legrand cable management systems allow distribution of VDI cables and power cables from the point of entry to the workstation.
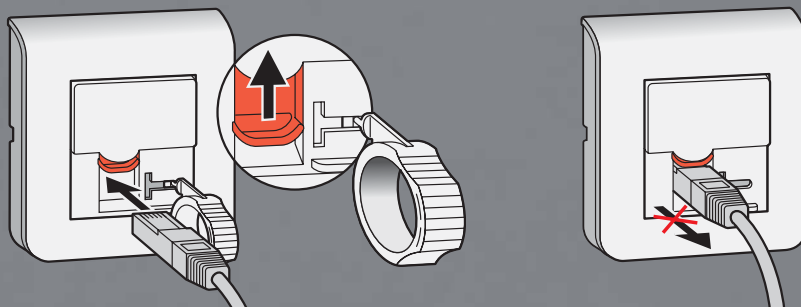
Mosaic RJ 45 socket
with controlled access

Organisation and safety with the new Mosaic sockets

In the technical room, in a false ceiling or in the floor boxes and desktop multi-outlet extensions, it is necessary to identify the special networks at a single glance.
Video surveillance, access control, adjusting the air conditioning, sensitive devices, etc.
The Mosaic LCS² sockets have a coloured cover, consistent with high-current sockets.

Identify the protected supply networks
to ensure the protection of sensitive applications (for example: medical equipment).

Identify and restrict access to the uninterrupted power supply networks
to ensure continuous power supply to computer equipment.
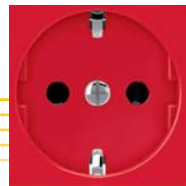
Structure the special supply networks to isolate the specific equipment in the building.
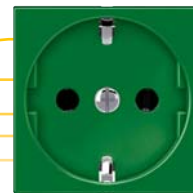
Structure and protect the networks by insulating the sensitive applications.

Identify the sensitive information networks and control their access using a cover that can be unlocked using a key.
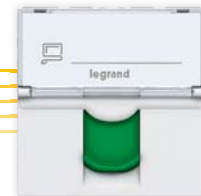
Structure the remote-supply networks (PoE injector) to use telephone, video applications on IP, etc.

RJ 45 Sockets with high standards of Legrand accessories

Mosaic
White or aluminium

Arteor
Flow of energies

Club
New design sensation

Cariva
Making quality a part of life

Mallia
Dress up your space

Diplomat
Absolutely your choice

Wi-Fi that can be installed just like RJ 45 sockets

Wi-Fi access points can be fitted anywhere where unrestricted access to the computer network is required.
They can be fitted just like the RJ 45 sockets and on any supports. The stability of performance and the durability of products are guaranteed (see page 53).

Wi-Fi access points: essential mobility...
- In an environment where multiple Wi-Fi networks operate together, to optimise the available speed everywhere in the building (in compliance with 802.11 a + b/g and 802. 11 n standards).
- In reception areas and passages, to provide network access anywhere in the building (in compliance with the 802.11 b/g and 802. 11 n standards).
- In shared work areas, to connect a computer permanently and provide a wireless connection to temporary users (in compliance with the 802.11 a + b/g and 802. 11 n standards).

The Wi-Fi access points can be mounted on any support:
Columns, mini-columns, snap-on trunking, floor boxes, etc., mural or on Cablofil.

LCS² PoE injector: Power supply to Wi-Fi access points from the patch panels

230 V

IN
Data
(incoming switch)

OUT   DATA + POWER SUPPLY
Patch cord

RJ 45 Connectors
Patch panel

DATA + POWER SUPPLY
Twisted pair cables
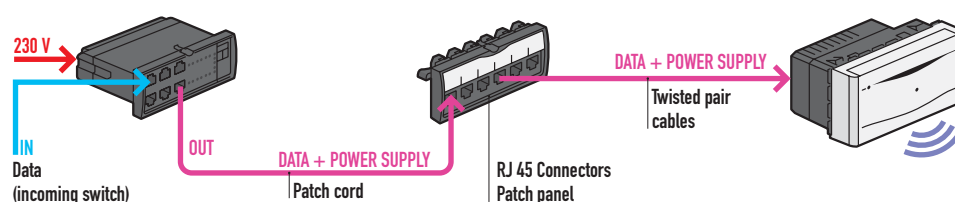
New LCS Pro^2 software
Your LCS^2 enclosure in a few clicks

With the new LCS Pro^2 software, you can now very easily and quickly select your products, view your enclosure, etc.
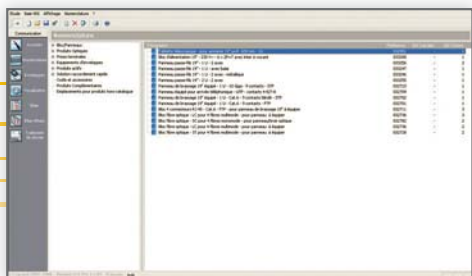
Automatic determination
of catalogue numbers by selecting the features and options.
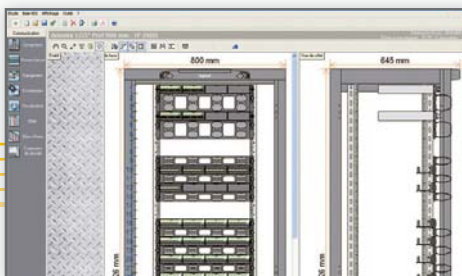
Visual display of the installation
of the enclosure, modifications possible.
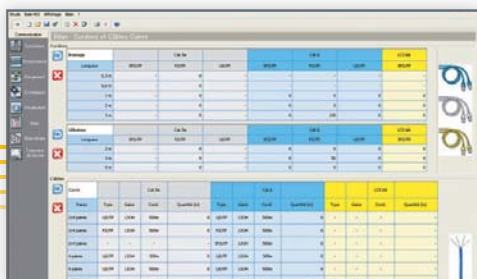
Easy management of studies
Technical records, purchase orders, document printing.

For more information

Check the LCS Pro^2
software downloadable from
www.legrandgroup.com

Structured cabling classes:
A top-level training In Iran

Being in close contact with engineers at the cutting edge of technological advances, Legrand trainers offer you practical classes in workshops.
These are experienced people who understand your business and speak your language. We offer you very useful and practical classes.

Comprehensive classes
- Copper installation: essential for commercial sites
- Optical fibre: use
and testing of an installation
- Copper: use and testing
of an installation.

Classes to understand different methods
of using an optical backbone and of connecting and testing
the optical links, as per
the standards in force.
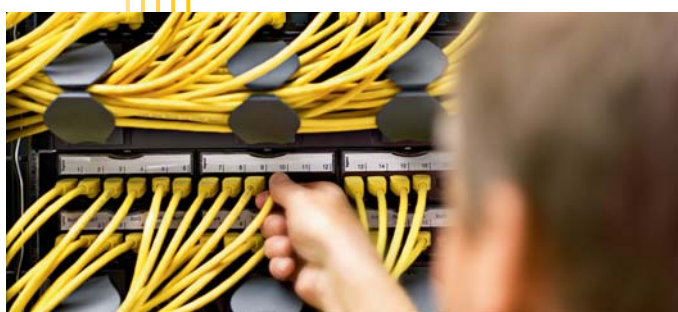
**For more information,
please contact us:
+98 (21) 89640**

Classes to convert the telephone and computer network needs of your clients into complete and upgradeable solutions, and cabling them as per the standards in force.

Assurance
of performance

The performance of an installation must stand the test of time.
This is why Legrand guarantees the performance and the components of its LCS^2 cat. 6A, cat. 6 and cat. 5e systems over the entire channel or link for 20 years.

■ Two guarantees to ensure the durability of your installations
The 20-year performance guarantee:
Legrand offers the installer the guarantee of continuity of performance levels of an LCS^2 cat. 6A, LCS^2 cat. 6 or LCS^2 cat. 5e system on link or channel over time.
The 20-year components guarantee: Legrand offers the installer the possibility of extending the usual guarantee from 2 years to 20 years on all products used in link or channel.

- The components guarantee of the LCS^2 cat. 6A, LCS^2 cat. 6 or LCS^2 cat. 5e systems: Legrand offers an extended guarantee on the components of the LCS^2 cat. 6A, LCS^2 cat. 6 or LCS^2 cat. 5e systems. 20 years for the components of channel or link, i.e. patch panels, RJ 45 sockets, cables and cords.
The contractual 2-year guarantee on these products is thus extended to 20 years.

Sockets	Patch panel	Cables and cords

- The channel performance guarantee:
A channel is defined by the standards as being an assembly consisting of the following components:
patch cord, patch panel, cable, RJ 45 socket, user cord. During acceptance testing, the performance of the channel is measured over a maximum length of 100 m. It must remain constant over time.

Patch panel — Sockets — Cables — Computer — Active product

■ Conditions of the 20-year Performance Guarantee
As with any guarantee contract, certain conditions must be met in order to qualify for the Legrand 20-year Performance Guarantee. These conditions are naturally within the capabilities of any company specialised in the installation of structured cabling systems.
The main conditions are given below (extracts from the 20-year Performance Guarantee issued by Legrand).
The installer has stored the components in storage conditions suitable for their type.
The installation has been built in strict compliance with good practice and abiding by all the conditions listed below.
All the components used in the cabling system must be Legrand LCS^2 cat. 6A, LCS^2 cat. 6 or LCS^2 cat. 5e Cabling Systems components.
All the patch cords used must be original Legrand products.
The max. length of a cord must be 5 m.
The installation must be built in accordance with the recommendations defined in installation standards EN 50174, EN 55022 and UTE C 15-900 in force at the time of issue of the guarantee.
Prior to the signature of the guarantee contract, Legrand will check that the installation acceptance test data comply with the values specified in the standard.
The installer must submit the following 4 documents to Legrand:
- The installation acceptance test for the link or the channel
- The "14 key points of a high performance installation" form, ticked and signed as agreement on its part of having complied with the 14 points
- A full list of the products installed
- An installation diagram of the patch cabinets and the RJ 45 sockets.
Any subsequent modifications or extensions must comply with the conditions listed above.

LCS², structured cabling systems
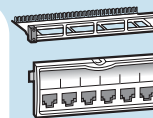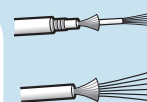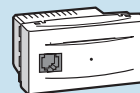
NEW PRODUCTS

**Fibre optic floor
distribution
cabinets**
(p. 78)

**Audio/video
system (AVS)**
(p. 86)

LCS² Power Distribution Units
(p. 95)

19" bati-rack
(p. 101)

LCS² performance from technical room to workstation

The new LCS² system integrates perfectly in various other Legrand solutions:
DLP trunking system, cabling accessories, cable management, etc.

🔍 DISCOVER A COMPLETE SOLUTION

A perfect connection from the cabinet to the socket
• Cabinets: 19'' or 10'' wall-mounting cabinets, freestanding and server freestanding cabinets for an easy installation and efficient maintenance
• Cat. 6A, cat. 6 and cat. 5e: patch panels, units of connectors, RJ 45 sockets, cables and cords

▶▶▶ Wall-cabinets and freestanding cabinets, p. 92 to 101

▶▶▶ Cables and cords, p. 63, 67, 72, 77, 83

▶▶▶ Patch panels and units, p. 62, 66, 72

▶▶▶ Sockets, p. 64, 65, 68, 69, 73, 79

Additional components for performance and extension
• Fibre optic: simple and reliable option
• Area distribution boxes: for consolidation and redistribution
• Wi-Fi access points: For fitting just like RJ 45 sockets and on other supports

▶▶▶ Fibre optic, p. 77 to 83

▶▶▶ Area distribution boxes, p. 70

▶▶▶ Wi-Fi access points, p. 84-85

➕ MORE INFORMATION

Get detailed information on many digital or printed supports, or contact your Area Commercial Manager

▶ **www.legrand.ir**

▶ **E-book**

▶ **LCS Pro² software**

▶ **Legrand Cabling System²**
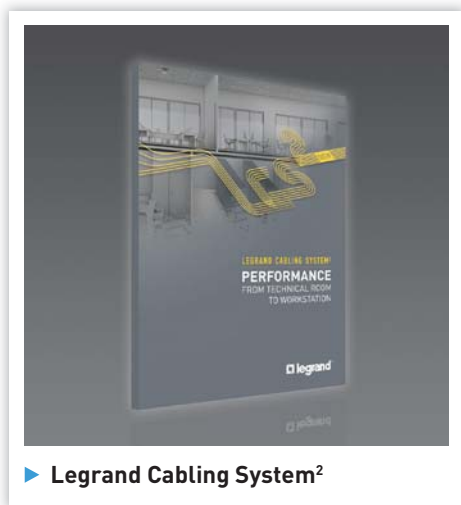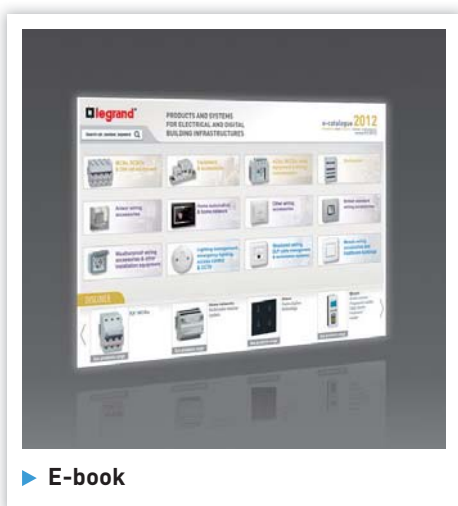
horizontal and vertical cabling
configure your LCS² system

SELECT LCS² PANELS AND CONNECTOR UNITS (p. 62, 66, 72)

			LCS² cat. 6A	LCS² cat. 6	LCS² cat. 5e
	Patch panels 1U Fitted with 24 connectors	STP	0 335 73	0 335 63	-
		UTP	0 335 84	0 335 61	0 335 51
	Units of 6 x RJ 45 connectors	STP	0 335 76	0 335 66	-
		UTP	0 335 77	0 335 64	0 335 54
	Blanking plate		0 335 91	0 335 91	0 335 91
	Patch panel 1 U To be fitted with 4 units		0 335 90	0 335 90	0 335 90

SELECT ADDITIONAL LCS² PANELS AND UNITS (p. 74-75)

			LCS²
	Telephone panels 1 U Fitted with 4 x 12 port extensions	3-6/4-5 contacts (digital)	0 335 31
		4-5/7-8 contacts (analogue)	0 335 30
	Telephone extensions Fitted with 12 ports	3-6/4-5 contacts (digital)	0 335 33
		4-5/7-8 contacts (analogue)	0 335 32
	Doubler units	Ethernet/Ethernet UTP	0 335 38
		Telephone/Ethernet UTP	0 335 36
		Telephone/telephone	0 335 35
	Video streaming unit	6 x "F" connectors	0 335 34
	Switch units	7 x RJ 45 ports	0 335 02
		6 x RJ 45 ports + 1 LC type optic port	0 335 05
	Power over Ethernet (PoE) injector	4 ports	0 335 01

SELECT FIBRE OPTIC EQUIPMENT (p. 78-80)

			Monomode	Multimode
	For 6 fibres	LC units	0 335 13	0 335 18
		SC units	0 335 12	0 335 17
		ST units	-	0 335 16
	For 12 fibres	High density - LC	-	0 335 19
	Copper/fibre optic converters	10/100 base T to 10/100 base SX	-	0 335 06
		1000 base T to 1000 base SX/LX	-	0 335 07
	Switch units	6 x RJ 45 ports + 1 LC type optic port	0 335 05	0 335 05
	Fibre optic cabinets 1 U - For 4 fibre optic units		0 335 10	0 335 10
	Fibre optic cassettes for patch panel - For 1 fibre optic unit		0 335 11	0 335 11

horizontal and vertical cabling
configure your LCS² system (continued)

SELECT RJ 45 SOCKETS AND WI-FI MOSAIC ACCESS POINTS (p. 64-65, 68-69, 73, 84)

				LCS² cat. 6A	LCS² cat. 6	LCS² cat. 5e
	1 module	STP	White	0 765 73	0 765 63	-
		UTP	White	0 765 71	0 765 61	0 765 51
	2 modules	STP	White	0 765 76	0 765 66	-
		UTP	White	0 765 74	0 765 64	0 765 54
	2 modules with 45° inclined	STP	White	0 765 08	-	-
		UTP	White	0 765 09	0 765 03	0 765 01
	With controlled access	STP	White	0 765 99	0 765 96	-
		UTP	White	0 765 90	0 765 94	0 765 97
	Sockets at 90°	STP	White	0 765 84	0 765 93	-
		UTP	White	-	0 765 91	-
	Antimicrobial	STP	White	0 765 84	0 765 83	-
		UTP	White	-	0 765 81	-
	2 x RJ 45 sockets	UTP	White	-	0 765 44	0 765 41
	Green shutter	STP	White	0 765 24	-	-
		UTP/FTP	White	-	0 765 22	-
	Orange shutter	STP	White	0 765 25	-	-
		UTP/FTP	White	-	0 765 23	-
	Copper feedthroughs	UTP	White	-	0 786 22	0 786 20
	Doubler sockets	Ethernet/Ethernet	UTP	0 765 38	0 765 38	0 765 38
		Telephone/Ethernet	UTP	0 765 36	0 765 36	0 765 36
		Telephone/telephone		0 765 35	0 765 35	0 765 35
	Manageable Wi-Fi access points	With RJ 45 socket, dual-band and dual-radio		0 779 14	0 779 14	0 779 14
		Dual-band and dual-radio		0 779 13	0 779 13	0 779 13

SELECT 19" LCS² FEEDTHROUGH PANELS (p. 94)

	Metal, 2 axes, quick-fixing	1 U	0 465 22
		2 U	0 465 23
	Plastic with brushes, direct clipping	1 U	0 465 28
		2 U	0 465 29
	Metal with brushes, quick-fixing	1 U	0 465 30
		2 U	0 465 31

19" POWER DISTRIBUTION UNITS (PDU) (p. 95)

	9 x 2P+E sockets	French standard	0 465 50
		German standard	0 465 60
	12 x C13 sockets		0 465 51
	9 x C19 sockets		0 465 52
PDU 2P+E - 2 U	6 x 2P+E sockets	French standard	0 465 54
		German standard	0 465 62
	6 x 2P+E sockets Switch with indicator	French standard	0 332 88
	6 x 2P+E sockets Circuit breacker	French standard	0 332 37
		German standard	0 332 38
	6 x 2P+E sockets Tamperproof (UPS)	French standard	0 332 87
	5 x 2P+E sockets	British standard	6 339 00
	6 x 2P+E sockets	British standard	0 465 65
PDU with surge protector - 2 U	6 x 2P+E		0 332 78
PDU to be equipped - 2 U	Takes 16 Mosaic modules		0 332 79
DIN rail kit IP 2X - 2 U	For modules appliances		0 465 45

horizontal and vertical cabling
configure your LCS² system (continued)

VERTICAL POWER DISTRIBUTION UNITS (PDU) (p. 95)

PDU 2P+E	24 x 2P+E sockets	French standard	0 465 80
		German standard	0 465 88
		British standard	0 465 89
	24 x C13 sockets		0 465 81
	24 x C13 + 6 x C19 sockets Cord with IEC 60309 plug		0 465 84
	24 x C13 + 3 x C19 sockets Cord with IEC 60309 plug 3-phase supply		0 465 85

SELECT FIBRE OPTIC PATCH CORDS (p. 83)

			OS1/OS2 (UPC) monomode 9/125 µm	OM 3 multimode 50/125 µm	OM 2 multimode 50/125 µm
SC/SC duplex cords		1 m	0 326 00	0 326 09	0 330 69
		2 m	0 326 01	0 326 10	0 330 70
		3 m	0 326 02	0 326 11	0 330 71
SC/LC duplex cords		1 m	0 326 03	0 326 12	0 330 75
		2 m	0 326 04	0 326 13	0 330 63
		3 m	0 326 05	0 326 14	0 330 76
ST/SC duplex cords		2 m	-	-	0 330 72
		3 m	-	-	0 330 73
LC/LC duplex cords		1 m	0 326 06	0 326 15	0 330 61
		2 m	0 326 07	0 326 16	
		3 m	0 326 08	0 326 17	

SELECT OPTIC CABLES (2000 m REELS) (p. 77)

Internal/external, anti-rodent	6 fibres	0 325 12	0 325 10	0 325 08
	12 fibres	0 325 14	0 325 11	0 325 09
External, anti-rodent reinforced steel	6 fibres	0 325 13	-	-

SELECT PATCH CORDS AND RJ 45 USER CORDS (p. 63, 67, 72)

S/FTP	Impedance 100 Ohms	1 m	0 517 80	0 517 52	-
		2 m	0 517 81	0 517 53	-
		3 m	0 517 82	0 517 54	-
		5 m	0 517 83	0 517 55	-
F/UTP	Impedance 100 Ohms	1 m	-	0 517 62	0 516 40
		2 m	-	0 517 63	0 516 41
		3 m	-	0 517 64	0 516 42
		5 m	-	0 517 65	0 516 43
U/UTP	Impedance 100 Ohms	1 m	0 518 82	0 517 72	-
		2 m	0 518 83	0 517 73	-
		3 m	0 518 84	0 517 74	-
		5 m	0 518 85	0 517 75	-

SELECT COPPER CABLES (305 or 500 m REELS) (p. 63, 67, 72)

S/FTP	4 pairs	500 m	0 327 77	-	-
SF/UTP	4 pairs	500 m	-	0 327 57	-
	2 x 4 pairs	500 m	-	0 328 59	-
F/UTP	4 pairs	305 m	-	0 328 56	0 327 52
		500 m	0 327 78	0 327 56	0 328 50
	2 x 4 pairs	500 m	0 328 78	0 327 76	0 327 74
U/UTP	4 pairs	305 m	-	0 327 54	0 327 50
		500 m	0 327 87	0 328 61	0 328 53
	2 x 4 pairs	500 m	-	0 328 63	-

SELECT 19" LCS² WALL-MOUNTING CABINETS AND EQUIPMENT (p. 92)

			FIXED		PIVOTING
			Depth 400 mm	Depth 580 mm	Depth 600 mm
6 U	Height 350 mm		0 462 00	-	-
9 U	Height 500 mm		0 462 01	0 462 06	0 462 11
12 U	Height 600 mm		0 462 02	0 462 07	0 462 12
16 U	Height 800 mm		0 462 03	0 462 08	0 462 13
21 U	Height 1000 mm		-	0 462 09	0 462 14
Fixed shelves	Depth 115 mm		0 465 00	0 465 00	0 465 00
	Depth 200 mm		0 465 01	0 465 01	0 465 01
	Depth 360 mm		-	0 465 02	0 465 02
Equipment	Cable entry plate with brush		-	-	0 462 55
	230 V∿ fan		0 462 60	0 462 60	0 462 60
	Thermostat		0 348 48	0 348 48	0 348 48
	Set of 4 casters		-	-	0 462 64

horizontal and vertical cabling
configure your LCS² system (continued)

SELECT 19" LCS² FREESTANDING CABINETS (p. 96)			Depth 600 mm	Depth 800 mm	Depth 1000 mm
	24 U	Width 600 mm	0 463 00	-	-
	29 U	Width 600 mm	0 463 06	-	-
	33 U	Width 600 mm	0 463 12	-	-
	42 U	Width 600 mm	0 463 18	0 463 19	-
		Width 800 mm	0 463 21	0 463 22	0 463 23
	42 U extension(1)	Width 600 mm	0 463 30	-	-
		Width 800 mm	-	0 463 33	-
	47 U	Width 800 mm	-	0 463 28	0 463 29

SELECT EQUIPMENT FOR 19" LCS² FREESTANDING CABINETS (p. 94, 96)			For cabinet depth 600 mm	For cabinet depth 800 mm	For cabinet depth 1000 mm
	42 U cabling unit		0 463 34	0 463 35	-
	Joining kit		0 463 37	0 463 38	0 463 39
	Fixed shelf Fixing on 2 x 19" uprights	Depth 115 mm	0 465 00	0 465 00	0 465 00
		Depth 200 mm	0 465 01	0 465 01	0 465 01
		Depth 360 mm	0 465 02	0 465 02	0 465 02
	Fixed shelf Fixing on 4 x 19" uprights	50 kg max., 1 U	0 465 05	0 465 06	0 465 07
		100 kg max., 2 U	-	-	0 465 17
	Telescopic shelf. Fixing on 4 x 19" uprights		0 465 08	0 465 09	0 465 10

SELECT 19" LCS² SERVER FREESTANDING CABINETS (p. 96)		Depth 1000 mm
	Width 600 mm	0 463 85
42 U	Width 800 mm	0 463 86

SELECT EQUIPEMENT FOR 19" LCS² SERVER FREESTANDING CABINETS (p. 94,96)	Depth 1000 mm
Joining kit	0 463 39
Fixed shelf. Screw fixing on 4 x 19" uprights, 100 kg max., 1 U	0 465 17
Telescopic shelf. Screw fixing on 4 x 19" uprights, 100 kg max., 2 U	0 465 18
Set of 4 casters for server enclosure, 500 kg max.	0 464 82

SELECT PLINTH FOR LCS² FREESTANDING CABINETS AND SERVER FREESTANDING CABINETS (p. 97)		
Plinth kit, height 100 mm	For cabinet width 600 mm	0 464 50
	For cabinet width 800 mm	0 464 51
Set of 2 plain side traps	For cabinet depth 600 mm	0 464 54
	For cabinet depth 800 mm	0 464 56
	For cabinet depth 1000 mm	0 464 58
Plinth for cabling unit, trap height 100 mm		0 464 64(2)

SELECT CABLE ENTRIES FOR LCS² FREESTANDING CABINETS AND SERVER FREESTANDING CABINETS (p. 97)		
Plastic plate with brushes, direct clipping	1 U	0 465 28
	2 U	0 465 29
Metal plate with brushes	1 U	0 465 30
	2 U	0 465 31

SELECT THERMAL MANAGEMENT EQUIPMENT AND ACCESSORIES FOR LCS² FREESTANDING CABINETS AND SERVER FREESTANDING CABINETS (p. 97)		
19" plates 3U with 230 V fans	2 fans	0 464 87
	3 fans	0 464 88
Thermostat	Adjustable range 5 to 60 °C	0 348 48
Set of 4 casters	380 kg max.	0 464 83

SELECT CABLING MANAGEMENT EQUIPMENT FOR LCS² FREESTANDING CABINETS AND SERVER FREESTANDING CABINETS (p. 98)		
Set of 3 cable management supports	For cabinet width/depth 600 mm	0 464 72
	For cabinet width/depth 800 mm	0 464 73
	For cabinet depth 1000 mm	0 464 74
Flat cable trays	For cabinet 33 U	0 464 76
	For cabinet 42 U	0 464 77
Vertical cable manager	For cabinet 42 U, width 800 mm	0 464 80
Vertical extension	For cabinet 42 U, width 800 mm	0 464 81

OTHER EQUIPMENT FOR 19" LCS² FREESTANDING CABINETS AND SERVER FREESTANDING CABINETS (p. 94, 97, 98)

1: Cabinets without lateral panel supplied with joining kit
2: Double the number of traps for a height of 200 mm

legrand

Your LCS² cabinet in a few clicks

The new LCS Pro² software lets you quickly and easily select your products, view your cabinet, and more

🔍 DISCOVER THE NEW FEATURES

• make the synoptic of your installation
• find automatically Cat.Nos by selecting characteristic options
• visualise the cabinet installation and amend it if required
• manage your studies: technical summaries, purchase orders, document printing

➕ MORE INFORMATION

▶ **www.legrand.ir**
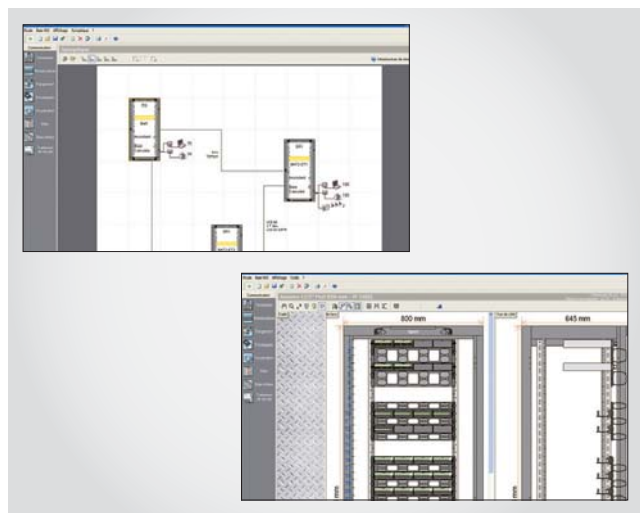
▶ **Legrand Cabling System²**
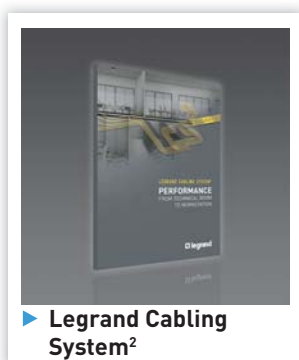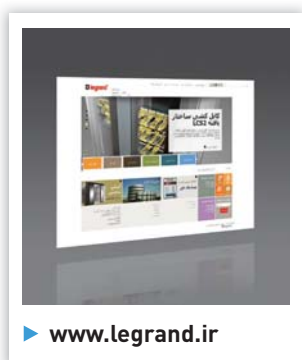
Legrand cabling system LCS²
category 6A
patch panels, blocks of connectors

0 335 86

0 335 90

0 335 76

Connector cat. 6A shielded STP

Pack	Cat.Nos	
		Patch panel cat. 6A **24 x RJ 45 connectors**
		Panel supplied with quick-fixing Panel ensures automatic grounding of each connector Fitted with rear cable guide to hold cables during maintenance Fitted with 4 units of 6 LCS² RJ 45 connectors cat. 6A with fast connection thanks to integrated crimping, with wiring schemes T 568 A and T 568 B Supplied with numbered colour labels Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-2 and TIA/EIA 568C 19" panel - 1 U
1	0 335 84	UTP panel - 8 contacts
1	0 335 85	UTP high density panel - 8 contacts
1	0 335 73	STP - Metal shielding 360°
1	0 335 86	STP high density panel - 360° metal shielding
		Modular panel
		Panel supplied with quick-fixing Panel ensures automatic grounding of each connector Fitted with rear cable guide to hold cables during maintenance Modular empty panel for up to 4 units Take the following equipment: - units of 6 x LCS² RJ 45 connectors - telephone inlet units - fibre optic units - PoE injector units - video streaming units - switch units - telephone/Ethernet doubler units - copper/fibre optic converter units - blanking plates
1	0 335 90	19" panel - 1 U
		Units of 6 x RJ 45 connectors cat. 6A
		Fitted with 6 x LCS² RJ 45 connectors cat. 6A with fast connection thanks to integrated crimping, with wiring schemes T 568 A and T 568 B Supplied with colour labels Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-2 and TIA/EIA 568C
2	0 335 77	UTP unit - 8 contacts
2	0 335 76	STP unit - metal shielding 360°
10	0 335 91	Blanking plate for 19" panel - Black

![Legrand]

Legrand cabling system LCS²
category 6A
cables and cords

0 327 77

Cables for local networks cat. 6A

Pack	Cat.Nos	
	LSZH	Cables 4 pairs or 2 x 4 twisted pairs 100 ohms LSZH sleeve: halogen-free Yellow RAL 1018 Colour code TIA/EIA Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568C Performance 500 MHz
		U/UTP - 4 pairs
500¹	0 327 87	Performance 500 MHz Length 500 m Supplied on reel. Weight 25 kg
		F/UTP - 4 pairs
500¹	0 327 78	Performance 500 MHz Length 500 m Supplied on reel. Weight 25 kg
		F/UTP - 2 x 4 pairs
500¹	0 328 78	Performance 500 MHz Length 500 m Supplied on reel. Weight 65 kg
		S/FTP - 4 pairs
500¹	0 327 77	Performance 600 MHz Length 500 m Supplied on reel. Weight 30 kg

RJ 45 patch cords and user cords cat. 6A

Pack	Cat.Nos	
	PVC	RJ 45 - RJ 45 right Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568C
		U/UTP unscreened impedance 100 Ω
5	0 518 82	Length 1 m
5	0 518 83	Length 2 m
5	0 518 84	Length 3 m
5	0 518 85	Length 5 m
	LSZH	
5	0 518 78	Length 1 m
5	0 518 79	Length 2 m
5	0 518 80	Length 3 m
5	0 518 81	Length 5 m
5	0 518 74	Length 1 m
5	0 518 75	Length 2 m
5	0 518 76	Length 3 m
5	0 518 77	Length 5 m
	PVC	**S/FTP shielded impedance 100 Ω**
5	0 517 80	Length 1 m
5	0 517 81	Length 2 m
5	0 517 82	Length 3 m
5	0 517 83	Length 5 m
	LSZH	
5	0 518 70	Length 1 m
5	0 518 71	Length 2 m
5	0 518 72	Length 3 m
5	0 518 73	Length 5 m
5	0 518 66	Length 1 m
5	0 518 67	Length 2 m
5	0 518 68	Length 3 m
5	0 518 69	Length 5 m

1: in metre(s)

Legrand cabling system LCS²
category 6A
RJ 45 sockets – Mosaic™ Programme

0 765 73

0 765 76

0 794 76

0 765 24

0 765 25

0 765 99
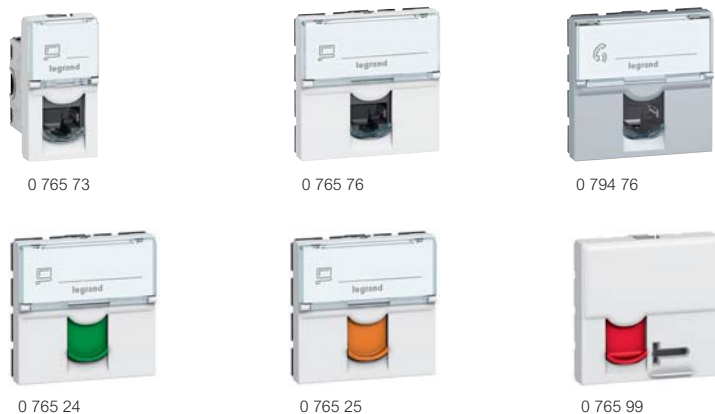
Area distribution boxes   p. 70

Can be integrated in all supports (see general catalogue)
Mechanisms to be equipped with support frames and plates (see general catalogue)
With LCS² connector with fast connection thanks to integrated crimping take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	**Mosaic Programme RJ 45 sockets cat. 6A**
		STP - 1 module
		360° metal shielding
10	0 765 73	○ White
10	0 765 84	○ White antimicrobial
10	0 794 73	◐ Aluminium
		STP - 2 modules
		360° metal shielding
10	0 765 76	○ White
10	0 794 76	◐ Aluminium
10	0 765 24	○ White with green shutter
10	0 765 25	○ White with orange shutter
10	0 765 08	○ White
		STP with controlled access - 2 modules
		360° metal shielding
		Supplied with 2 keys for 5 sockets
5	0 765 99	○ White with red shutter
		UTP - 1 module
10	0 765 71	○ White
10	0 794 71	◐ Aluminium
10	0 765 26	○ White with green shutter
10	0 765 27	○ White with orange shutter
		UTP - 2 modules
10	0 765 74	○ White
10	0 794 74	◐ Aluminium
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 90	○ White with red shutter
10	0 765 09	○ White

Pack	Cat.Nos	**Keystone RJ 45 sockets cat. 6A**
10	0 331 54	STP socket - metal shielding 360° with fast connection thanks to integrated crimping
10	0 331 55	UTP socket - with fast connection thanks to integrated crimping

Legrand cabling system LCS²
category 6A
RJ 45 sockets - Arteor

5 723 06 + plate 5 765 40   5 723 50   5 728 49

Mechanisms supplied with square rocker plates, to be equipped with support frames and plates (see general catalogue)
Can be integrated in all supports
With LCS² connector with fast connection thanks to integrated crimping take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	**Arteor RJ 45 sockets cat. 6A**
		360° metal shielding
		STP - 1 module
10	5 723 06	○ White
10	5 728 06	● Magnesium
10	5 723 51	○ White with orange shutter
10	5 728 51	● Magnesium with orange shutter
10	5 723 52	○ White with green shutter
10	5 728 52	● Magnesium with green shutter
		STP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	5 723 50	○ White with red shutter
5	5 728 50	● Magnesium with red shutter
		UTP - 1 module
10	5 723 49	○ White
10	5 728 49	● Magnesium
10	5 723 59	○ White with green shutter
10	5 728 59	● Magnesium with green shutter
10	5 723 58	○ White with orange shutter
10	5 728 58	● Magnesium with orange shutter
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	5 723 57	○ White with red shutter
5	5 728 57	● Magnesium with red shutter

Audio/video sockets: the right system to meet your needs

🔍 DISCOVER A FULL SYSTEM

From the cabinets to the terminal sockets
• 19'' LCS² cabinets
• 19'' patch panels: to distribute the audio/video signal
• cords: for connecting a socket to a terminal
• cables: for connecting 2 sockets a long distance apart
• sockets: choose between 20 technologies

Cat.No 0 787 53

HDMI cable
Cat.No 0 327 80

Cat.No 0 787 68
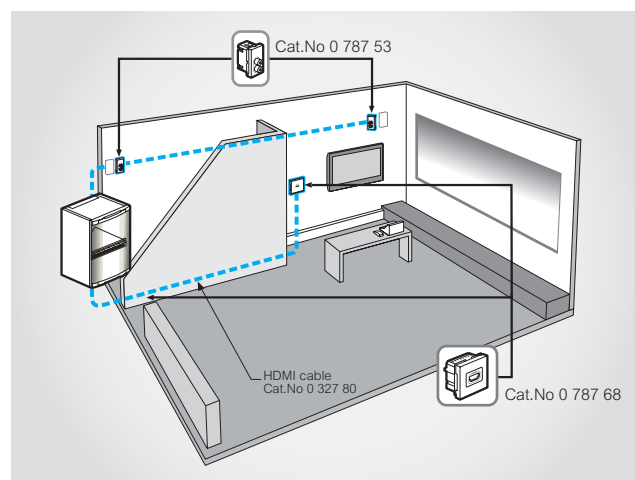
➕ MORE INFORMATION

▶ www.legrand.ir   ▶ E-book

Legrand cabling system LCS²
category 6
patch panels, blocks of connectors

0 335 62

0 335 89

0 335 90

0 335 65

Cat. 6 connector
STP shielded

Pack	Cat.Nos	
		Patch panels cat. 6
		24 x RJ 45 quick-fixing connectors
		Panels supplied with quick-fixing
		Panels ensure automatic grounding of each connector
		Fitted with rear cable guide to hold cables during maintenance
		Fitted with 4 units of 6 LCS² RJ 45 connectors cat. 6 with fast connection thanks to integrated crimping, with colour code and wiring schemes T 568 A and T 568 B
		Supplied with numbered colour labels
		Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-2 and TIA/EIA 568C
		19" panel - 1 U
1	0 335 61	UTP panel - 8 contacts
1	0 335 67	UTP high density panel - 8 contacts
1	0 335 62	FTP panel - 9 contacts
1	0 335 68	FTP high density panel - 9 contacts
1	0 335 63	STP panel - metal shielding 360°
		UTP through panel
		24 x RJ 45 connectors
1	0 335 89	UTP through panel

Pack	Cat.Nos	
		Modular panels
		Panels supplied with quick-fixing
		General all-purpose assembly of all enclosures or cabinets
		Panels ensure automatic earthing of each connector
		Fitted with rear cable guide to hold cables during maintenance
		Empty panels to be fitted with 4 units
		Take the following equipment:
		- 6 LCS² RJ 45 connector units
		- telephone inlet units
		- fibre optic units
		- PoE injector units
		- video streaming units
		- switch units
		- telephone/Ethernet doubler units
		- copper/fibre optic converter units
		- blanking plates
1	0 335 90	19" panel - 1 U

Pack	Cat.Nos	
		Units of 6 x RJ 45 connectors cat. 6
		Fitted with 6 x LCS² RJ 45 connectors cat. 6 with fast connection thanks to integrated crimping, with colour code and wiring schemes T 568 A and T 568 B
		Supplied with colour labels
		Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568
2	0 335 64	UTP unit - 8 contacts
2	0 335 65	FTP unit - 9 contacts
2	0 335 66	STP unit - metal shielding 360°
10	0 335 91	Blanking plate for 19" panel - Black

Legrand cabling system LCS²
category 6
cables and cords
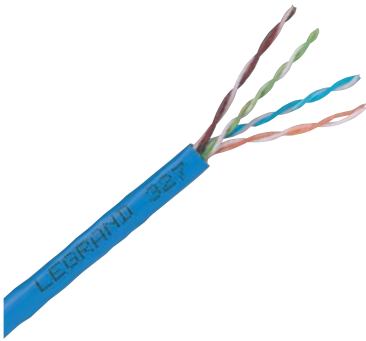
0 327 54
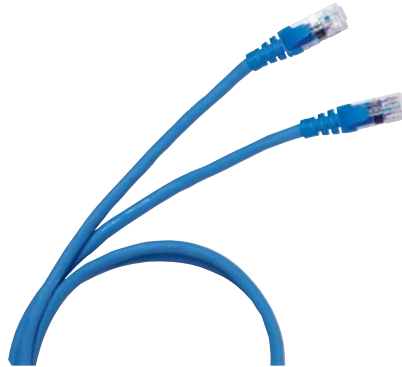
0 517 62

Cables for local networks cat. 6

Cables 4 pairs or 2 x 4 twisted pairs
100 ohms
Blue RAL 5015
Colour code TIA/EIA
Conform to standards ISO/IEC 11801
Ed. 2.0, EN 50173-1 and TIA/EIA 568C

Pack	Cat.Nos		
	LSZH	**PVC**	
			U/UTP - 4 pairs
305¹	0 327 54		Length 305 m
			Supplied in cardboard box. Weight 16 kg
500¹	0 328 61		Length 500 m
			Supplied on reel. Weight 18 kg
1000¹	0 328 71		Length 1000 m
			Supplied on reel
305¹		0 327 55	Length 305m
			Supplied in cardboard box. Weight 13 kg
1000¹		0 328 72	Length 1000 m
			Supplied on reel
			U/UTP - 2 x 4 pairs
500¹	0 328 63		Length 500 m
			Supplied in cardboard box. Weight 38 kg
			F/UTP - 4 pairs
305¹	0 328 56		Length 305 m
			Supplied on reel. Weight 17 kg
500¹	0 327 56		Length 500 m
			Supplied on reel. Weight 25 kg
			F/UTP - 4 pairs
305¹		0 328 57	Length 305 m
			Supplied in cardboard box. Weight 17 kg
500¹		0 327 58	Length 500 m
			Supplied on reel. Weight 25 kg
			F/UTP - 2 x 4 pairs
500¹	0 327 76		Length 500 m
			Supplied on reel. Weight 48 kg
			SF/UTP - 4 pairs
500¹	0 327 57		Length 500 m
			Supplied on reel. Weight 29 kg
500¹		0 327 59	Length 500 m
			Supplied on reel. Weight 30 kg
			SF/UTP - 2 x 4 pairs
500¹	0 328 59		Length 500 m
			Supplied on reel. Weight 52 kg

RJ 45 patch cords and user cords cat. 6

RJ 45 - RJ 45 right

U/UTP unscreened impedance 100 Ω

Pack	Cat.Nos		
	PVC		
1	0 517 72		Length 1 m
1	0 517 73		Length 2 m
1	0 517 74		Length 3 m
1	0 517 75		Length 5 m
	LSZH		
	(red)	(green)	
1	0 518 62	0 518 58	Length 1 m
1	0 518 63	0 518 59	Length 2 m
1	0 518 64	0 518 60	Length 3 m
1	0 518 65	0 518 61	Length 5 m

F/UTP screened impedance 100 Ω

Pack	Cat.Nos		
	PVC		
1	0 517 62		Length 1 m
1	0 517 63		Length 2 m
1	0 517 64		Length 3 m
5	0 517 65		Length 5 m
	LSZH		
	(red)	(green)	
1	0 518 54	0 518 50	Length 1 m
1	0 518 55	0 518 51	Length 2 m
1	0 518 56	0 518 52	Length 3 m
1	0 518 57	0 518 53	Length 5 m

SF/UTP shielded impedance 100 Ω

Pack	Cat.Nos		
	PVC		
5	0 517 52		Length 1 m
5	0 517 53		Length 2 m
5	0 517 54		Length 3 m
5	0 517 55		Length 5 m

1: in metre(s)

Legrand cabling system LCS²
category 6
RJ 45 sockets – Mosaic™ Programme

0 765 63   0 765 96   0 794 33

Can be integrated in all supports (see general catalogue)
Mechanisms to be equipped with support frames and plates (see general catalogue)
With LCS² connector with fast connection thanks to integrated crimping take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	Mosaic Programme RJ 45 sockets cat. 6
		UTP - 1 module
10	0 765 61	○ White
10	0 794 61	● Aluminium
10	0 786 06	○ White, connection with 110 tool
10	0 794 12	● Aluminium, connection with 110 tool
10	0 765 81	○ White antimicrobial
		UTP - 2 modules
10	0 765 64	○ White
10	0 794 64	● Aluminium
10	0 786 07	○ White, connection with 110 tool
10	0 794 13	● Aluminium, connection with 110 tool
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 94	○ White with red shutter
		UTP 90° - 2 modules
		Vertical snap-on socket for column module
10	0 765 91	○ White
		UTP 45° - 2 modules
1	0 765 03	○ White
1	0 765 14	○ White, connection with 110 tool
		UTP 45° - 2 x RJ 45 - 2 modules
1	0 765 04	○ White
		UTP retractable RJ 45 socket - 4 modules
		With integrated retractable cord (0.9 m)
		Winds up automatically with a pushbutton
1	0 765 32	○ White
		UTP - 1 module
5	0 794 81	● Black
		UTP 2 x RJ 45 with Soluclip accessory - 3 modules
		For snap-on mounting on DLP trunking with 45 mm cover
5	0 765 44	○ White
		FTP - 1 module
10	0 765 62	○ White
10	0 794 62	● Aluminium
10	0 765 82	○ White antimicrobial
		FTP - 2 modules
10	0 765 65	○ White
10	0 794 65	● Aluminium
10	0 765 22	○ White with green shutter
10	0 765 23	○ White with orange shutter

Pack	Cat.Nos	Mosaic Programme RJ 45 sockets cat. 6 (continued)
		FTP - 2 modules
		For snap-on mounting on trunking with 45 mm cover
5	0 765 46	○ White
5	0 794 85	● Black
		FTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 95	○ White with red shutter
		FTP 45° - 2 modules
10	0 765 05	○ White
		FTP 2 x RJ 45 45° - 2 modules
5	0 765 06	○ White
		FTP retractable RJ 45 sockets - 4 modules
		With integrated retractable cord (0.9 m)
		Winds up automatically with a pushbutton
1/10	0 765 33	○ White
1	0 794 33	● Aluminium
		FTP 90° - 2 modules
		Vertical snap-on socket for column module
10	0 765 92	○ White
10	0 794 92	● Aluminium
		Shielded STP - 1 module
10	0 765 63	○ White
5	0 765 83	○ White antimicrobial
		Shielded STP - 2 modules
10	0 765 66	○ White
		STP - 2 modules
5	0 794 86	● Black
		Shielded STP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 96	○ White with red shutter
		STP 45° - 2 modules
		Vertical snap-on socket for column module
10	0 765 07	○ White
		Shielded STP 90° - 2 modules
		Vertical snap-on socket for column module
10	0 765 93	○ White

Legrand cabling system LCS²
category 6
RJ 45 sockets - Arteor, Soliroc and Plexo

5 728 02	5 728 16 + plate 5 765 61

0 695 69

Arteor and Mosaic Programme audio/video sockets   p. 88

Can be integrated in all supports (see general catalogue)
With LCS2 connector with fast connection thanks to integrated crimping take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Arteor RJ 45 sockets cat. 6

Mechanisms supplied with square rocker plates, to be equipped with support frames and plates (see general catalogue)

UTP - 1 module

Pack	Cat.Nos	
10	5 723 02	○ White
10	5 728 02	● Magnesium
10	5 723 25	○ White, connection with 110 tool
10	5 728 25	● Magnesium, connection with 110 tool
10	5 723 54	○ White with orange shutter
10	5 728 54	● Magnesium with orange shutter
10	5 723 55	○ White with green shutter
10	5 728 55	● Magnesium with green shutter

UTP - 2 modules

10	5 723 14	○ White - square version
10	5 728 14	● Magnesium - square version
10	5 723 26	○ White, connection with 110 tool
10	5 728 26	● Magnesium, connection with 110 tool

UTP with controlled access - 2 modules
Supplied with 2 keys for 5 sockets

5	5 723 53	○ White with red shutter
5	5 728 53	● Magnesium with red shutter

UTP retractable RJ 45 sockets - 4 modules
With integrated retractable cord (0.9 m)
Winds up automatically with a pushbutton

1	5 723 39	○ White
1	5 728 39	● Magnesium

FTP - 1 module

10	5 723 22	○ White
10	5 728 22	● Magnesium

FTP - 2 modules

10	5 723 16	○ White
10	5 728 16	● Magnesium

Shielded STP - 1 module

10	5 723 23	○ White
10	5 728 23	● Magnesium

Shielded STP - 2 modules

10	5 723 17	○ White
10	5 728 17	● Magnesium

Keystone RJ 45 socket cat. 6

Pack	Cat.Nos	
10	0 331 81	UTP socket with fast connection

Soliroc RJ 45 socket cat. 6 - IK 10

FTP - 2 modules

10	0 778 91	IP 20 - IK 10 For at-risk areas or areas with no surveillance

Plexo RJ 45 sockets cat. 6 - IP 55 closed flap IK 07

Protection against water, dust
For industrial sites

5/100	0 695 69	○ Grey/white FTP socket
1/20	0 695 61	○ Grey/white UTP socket

Adaptor for RJ 45 socket

1	0 695 81	RJ 45 to be ordered separately Weatherproofing ensured (IP 44) plug inserted ○ Grey/white

Plexo 66 RJ 45 socket cat. 6 - IP 66 - IK 08

FTP socket

1	0 904 67	9 contacts Weatherproofing ensured (IP 66) with plug inserted Inclined 90° ● Grey RAL 7016/T029

Legrand cabling system LCS²
category 6A, 6 and 5e
area distribution boxes and cords

0 335 46

0 335 40

0 335 40 fitted with SC fibre optic unit, accessory
Cat.No 0 335 20 and a 6 x RJ 45 connector unit

RJ 45   RJ 45
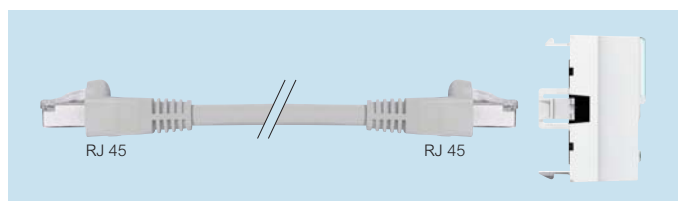
Connection principle
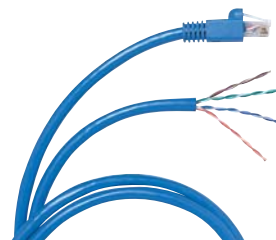
0 517 57

Pack	Cat.Nos	**Area distribution boxes**
		For distribution of low current in a zone fitted with 1 to 12 RJ 45 sockets
		Centralise connections to guarantee flexibility and adaptability of the installation
		Installed on false ceiling or false floor
		Connect to the patch panel or the floor cabinet
		Connection to an RJ 45 socket with stripped cord or to a Mosaic RJ 45 socket with copper feedthrough with an RJ 45/RJ 45 cord
		IP 21 - IK 07
		Conform to standards UTE C 15-900, NF C 15-100, NF C 20-730, EN 50-174.2, CEI 60950, ISO/IEC 11801 Ed. 2.0, EN 50173-2 and TIA/EIA 568
		Colour code TIA/EIA 568 A and C
		Cords and cables: ISO 11801 Ed.2.0, EN 50173-1, TIA/EIA 568
		Technical characteristics:
		- polycarbonate PC hood
		- polypropylene PP base
		- RAL 7035
		- hold connector units in place in the box: 100 N
		- Cables anchored on support using Colring cable ties
		Area distribution boxes cat. 6
		Fitted with 2 x 6 LCS2 connector blocks
		RJ 45 cat. 6 and RJ 45 blanking plates
		Supplied with Colring cable ties
1	0 335 44	UTP
1	0 335 45	FTP
1	0 335 46	STP
		Self-assembly area distribution box for cat. 6a, 6 and 5e
1	0 335 40	Used for mounting LCS2 RJ 45 connector blocks cat. 6a (p. 62), RJ 45 connector blocks cat. 6 (p. 66) or RJ 45 connector blocks cat. 5e (p. 72)

Pack	Cat.Nos	**Cords cat. 6 - RJ 45/RJ 45**
		For direct connection via RJ 45 male plug to the area distribution box and to the RJ 45 socket with copper feedthrough to ensure:
		- safe connection
		- speed and reliability of connection
		Blue RAL 5015
		U/UTP unscreened impedance 100 Ω
4	0 515 10	Length 8 m
4	0 515 11	Length 15 m
4	0 515 12	Length 20 m
		F/UTP screened impedance 100 Ω
4	0 515 13	Length 8 m
4	0 515 14	Length 15 m
4	0 515 15	Length 20 m

Pack	Cat.Nos	**Cords cat. 5e - RJ 45 / stripped**
		RJ 45 - straight stripped
		Clip on and off in the area distribution boxes and RJ 45 socket connection via LCS2 connector via the stripped side
		Cords prepared in factory, "ready for wiring"
		Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568
		Grey RAL 7035
		Wiring in T 568 B
		U/UTP unscreened impedance 100 Ω
4	0 517 90	Length 8 m
4	0 517 91	Length 15 m
4	0 517 92	Length 20 m
		F/UTP screened impedance 100 Ω
4	0 517 93	Length 8 m
4	0 517 94	Length 15 m
4	0 517 95	Length 20 m

Pack	Cat.Nos	**Cords cat. 6 - RJ 45/stripped AWG 24**
		RJ 45 - straight stripped
		Clip on and off in the area distribution boxes and connection via LCS2 connector of an RJ 45 socket by the stripped side
		Cords prepared in factory, "ready for wiring"
		Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568
		Blue RAL 5015
		Wiring in T 568 B
		U/UTP unscreened impedance 100 Ω
4	0 517 57	Length 8 m
4	0 517 58	Length 15 m
4	0 517 59	Length 20 m
		F/UTP screened impedance 100 Ω
4	0 517 96	Length 8 m
1	0 517 97	Length 15 m
4	0 517 98	Length 20 m

Pack	Cat.Nos	**Cords cat. 5e - RJ 45/RJ 45**
		For direct connection via RJ 45 male plug to the area distribution box and to the RJ 45 socket with copper feedthrough to ensure:
		- safe connection
		- speed and reliability of connection
		Grey RAL 7035
		U/UTP unscreened impedance 100 Ω
4	0 515 00	Length 8 m
4	0 515 01	Length 15 m
4	0 515 02	Length 20 m
		F/UTP unscreened impedance 100 Ω
4	0 515 03	Length 8 m
4	0 515 04	Length 15 m
4	0 515 05	Length 20 m

Legrand cabling system LCS²
category 6 and 5e
feedthrough sockets – Mosaic™ Programme and Arteor

0 786 22   0 786 25

Certified as conforming to standards ISO 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568
Contacts marked with 568 A and B dual colour code and numbers
Connectors with self-stripping terminals
Possibility of re-wiring in the event of error
Multidirectionnal cable entry
For use with area distribution boxes (p. 70), connection to boxes via RJ45-RJ45 dedicated cords (p. 70)
Used to create cat. 6 and cat. 5e links in accordance with standards
2 modules

Pack	Cat.Nos	**Sockets with copper feedthrough cat. 6**
		Cat. 6 UTP - Mosaic Programme
10	0 786 22	○ White
10	0 786 26	● Aluminium
		Cat. 6 FTP - Mosaic Programme
10	0 786 23	○ White
10	0 786 27	● Aluminium
		Cat. 6 UTP - Arteor
10	5 723 31	○ White
10	5 728 31	● Magnesium
		Cat. 6 FTP - Arteor
10	5 723 33	○ White
10	5 728 33	● Magnesium

Pack	Cat.Nos	**Sockets with copper feedthrough cat. 5e**
		Cat. 5e UTP - Mosaic Programme
10	0 786 20	○ White
10	0 786 24	● Aluminium
		Cat. 5e FTP - Mosaic Programme
10	0 786 21	○ White
10	0 786 25	● Aluminium
		Cat. 5e UTP - Arteor
10	5 723 30	○ White
10	5 728 30	● Magnesium
		Cat. 5e FTP - Arteor
10	5 723 32	○ White
10	5 728 32	● Magnesium

Legrand cabling system LCS²
area distribution boxes

Dimensions

49,8   352   137,1   166
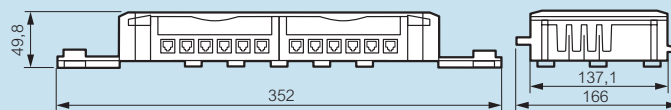
Performance
Maximum recommended lengths of links to ensure high performance of the systems with the use of RJ 45 sockets with copper feedthroughs and/or RJ 45 sockets

	Length associated lengths (m)		
	Cords	Cables	Links
Cat. 6	8	70	78
	15	60	75
	20	55	75
Cat. 5e	8	75	83
	15	65	80
	20	60	80

We recommend selecting the shortest wiring lengths for more flexibility regarding cord length in the event of reconfiguration

Application example
An area distribution box is installed to connect the RJ 45 sockets and meet the future requirements of the installation

7 lines in reserve
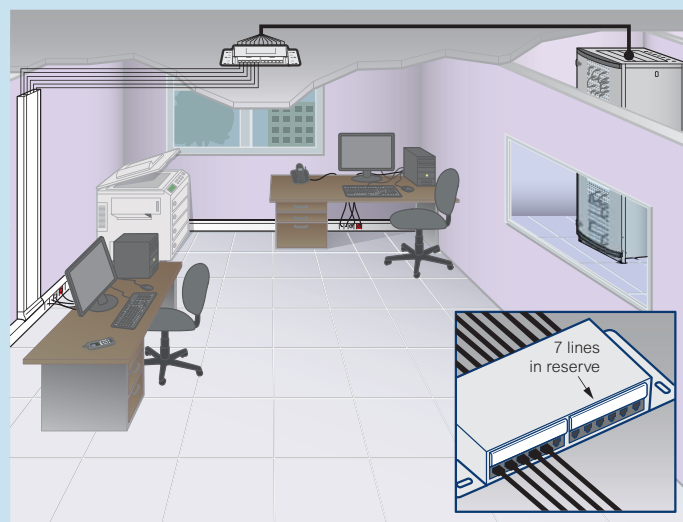
Connection to additional RJ 45 sockets is done by adding RJ 45 - RJ 45 cords between the unit and the RJ 45 sockets with copper feedthrough

1 line in reserve

L1 legrand

Legrand cabling system LCS² category 5e
patch panels, blocks of connectors

Legrand cabling system LCS² category 5e
cables and cords

0 335 52

0 328 50

0 516 40

Patch panels cat. 5e
24 x RJ 45 connectors

Pack	Cat.Nos	

Panels supplied with quick-fixing
Panels ensure automatic grounding of each connector
Fitted with rear cable guide to hold cables during maintenance
Fitted with 4 units of 6 LCS2 RJ 45 connectors cat 5e with fast connection thanks to integrated crimping, with colour code and wiring schemes T 568 A and T 568 B
Supplied with colour labels numbered from 1 to 24
Conform to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568
19" panel - 1 U

UTP panel

1	0 335 51	UTP panel - 8 contacts
1	0 335 82	UTP panel - 8 contacts - connection with 110 tool
1	0 335 83	UTP high density panel - 8 contacts - connection with 110 tool

FTP panel

1	0 335 52	FTP panel - 9 contacts

UTP through panel
24 RJ 45 connectors

1	0 335 88	UTP through panel

Modular panels

Panels supplied with fast assembly
Panels ensure automatic grounding of each connector
Fitted with rear cable guide to hold cables during maintenance
Modular empty panels for up to 4 units
Takes the following equipment:
- units of 6 LCS2 RJ 45 connectors
- units for telephone inlets
- fibre optic units
- PoE injector units
- video streaming units
- switch units
- telephone/Ethernet doubler units
- copper/fibre optic converter units
- blanking plates

1	0 335 90	19" panel - 1 U

Units of 6 x RJ 45 connectors cat. 5e

Fitted with 6 x LCS2 RJ 45 connectors cat. 5e with fast connection thanks to integrated crimping, with colour code and wiring schemes T 568 A and T 568 B
Supplied with colour labels
Conforms to standards ISO/IEC 11801 Ed. 2.0, EN 50173-1 and TIA/EIA 568

2	0 335 54	UTP unit
2	0 335 55	FTP unit
10	0 335 91	Blanking plate for 19" panel - Black

Cables for local networks cat. 5e

4 twisted pair cables 100 ohms
LSZH sleeve: non-halogen
Grey RAL 7035
Colour code TIA/EIA

Pack	Cat.Nos		
	LSZH	PVC	

U/UTP - 4 pairs

Pack	LSZH	PVC	
305[1]	0 327 50		Length 305m. Supplied in cardboard box. Weight 10 kg
500[1]	0 328 53		Length 500 m. Supplied on reel. Weight 15 kg
1000[1]	0 328 73		Length 1000 m. Supplied on reel
305[1]		0 327 51	Length 305m. Supplied in cardboard box. Weight 9 kg
1000[1]		0 328 74	Length 1000 m. Supplied on reel

U/UTP - 2 x 4 pairs

500[1]		0 327 73	Length 500 m. Supplied on reel

F/UTP - 4 pairs

305[1]	0 327 52		Length 305 m. Supplied in cardboard box. Weight 12 kg
500[1]	0 328 50		Length 500 m. Supplied on reel. Weight 21 kg
305[1]		0 327 53	Length 305 m. Supplied by box. Weight 11 kg

F/UTP - 2x4 pairs

500[1]	0 327 74		Length 500 m. Supplied on reel. Weight 38 kg

RJ 45 patch cords and user cords cat. 5e

RJ 45 - RJ 45 right

	PVC	

U/UTP unscreened impedance 100 Ω
Grey

1	0 516 36	Length 1m
1	0 516 37	Length 2m
1	0 516 38	Length 3m
1	0 516 39	Length 5m

F/UTP screened impedance 100 Ω
Grey

1	0 516 40	Length 1 m
1	0 516 41	Length 2 m
1	0 516 42	Length 3 m
1	0 516 43	Length 5 m

1: in metre(s)

72

Legrand cabling system LCS²
category 5e
RJ 45 sockets - Mosaic™ Programme, Arteor and Plexo

0 765 52

5 728 29

5 728 04 + plate 5 765 41

0 695 57

Arteor and Mosaic Programme audio/video sockets
p. 88

Can be integrated in all supports (see general catalogue)
With LCS² connector with fast connection thanks to integrated crimping Take AWG 22 single-core cables up to AWG 26 and AWG multicore cables
Contacts marked with dual colour code and wiring schemes T568 A and T 568 B
Conform to standards ISO/IEC 11801 Ed. 2.0, amendment 2, EN 50173-1 and TIA/EIA 568 C

Pack	Cat.Nos	**Mosaic Programme RJ 45 sockets cat. 5e**
		Mechanisms to be equipped with support frames and plates (see general catalogue)
		UTP - 1 module
10	0 765 51	○ White
10	0 794 51	● Aluminium
		UTP - 2 modules
10	0 765 54	○ White
10	0 794 54	● Aluminium
10	0 765 18	○ White, connection with 110 tool
		UTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
5	0 765 97	○ White with red shutter
		UTP - 2 x RJ 45 with Soluclip accessory - 3 modules
		For snap-on mounting on DLP trunking with 45 mm cover
5	0 765 41	○ White
		UTP retractable RJ 45 socket - 4 modules
		With integrated retractable cord (0.9 m) Winds up automatically with a pushbutton
1	0 765 30	○ White
		UTP 45° - 2 modules
10	0 765 01	○ White
		2 x RJ 45 UTP 45° - 2 modules
5	0 765 02	○ White
		FTP - 1 module
10	0 765 52	○ White
10	0 794 52	● Aluminium
		FTP - 2 modules
10	0 765 55	○ White
10	0 794 55	● Aluminium
		FTP with controlled access - 2 modules
		Supplied with 2 keys for 5 sockets
10	0 765 98	○ White with red shutter
		FTP - 2 x RJ 45 with Soluclip accessory - 3 modules
		For snap-on mounting on Mosaic trunking with 45 mm cover
5	0 765 42	○ White

Pack	Cat.Nos	**Arteor RJ 45 sockets cat. 5e**
		Mechanisms supplied with square rocker plates, to be equipped with support frames and plates (see general catalogue)
		UTP - 1 module
10	5 723 03	○ White
10	5 728 03	● Aluminium
10	5 723 28	○ White, connection with 110 tool
10	5 728 28	● Magnesium, connection with 110 tool
		UTP - 2 modules
10	5 723 15	○ White
10	5 728 15	● Aluminium
10	5 723 29	○ White, connection with 110 tool
10	5 728 29	● Magnesium, connection with 110 tool
		FTP - 1 module
10	5 723 04	○ White
10	5 728 04	● Aluminium

Pack	Cat.Nos	**Keystone RJ 45 socket cat. 5e**
		UTP socket
10	0 331 80	With fast crimping connection

Pack	Cat.Nos	**Plexo RJ 45 sockets, cat. 5e - IP 55 closed flap IK 07**
		Protection against water, dust For industrial sites
1/20	0 695 57	○ Grey/White
		FTP socket
1/20	0 695 56	○ Grey/White
		UTP socket
		Adaptor for RJ 45 socket
1	0 695 81	RJ 45 to be ordered separately Weatherproofing ensured (IP 44) plug inserted
		○ Grey/white

Legrand cabling system LCS²
category 6A, 6 and 5e
additional products and doublers

0 335 90

0 335 39

0 335 34

0 335 12

0 335 16

Pack	Cat.Nos	**Modular panels**
		Panels supplied with captive screws and cage nuts or with quick fixing
		Universal mounting for all enclosures or cabinets
		Panels ensure automatic earthing of each connector
		Fitted with rear cable guide to hold cables in place during maintenance
		Modular empty panels for up to 4 units
		Take the following equipment:
		- units of 6 x LCS² RJ 45 connectors
		- units for telephone inlets
		- fibre optic units
		- PoE injector units
		- video streaming units
		- switch units
		- telephone/Ethernet doubler units
		- copper/fibre optic converter units
		- blanking plates
1	0 335 90	19" panel - 1 U

Pack	Cat.Nos	**Doubler units**
		Units of 6 x LCS² RJ 45 doubler connectors
		For fast tool-free connection
		Used with doubler sockets (p. 75)
2	0 335 54	UTP unit
2	0 335 55	FTP unit
10	0 335 91	Blanking plate for 19" panel - Black
		Ethernet/Ethernet doublers 100 base T
1	0 335 39	FTP - 9 contacts
1	0 335 38	UTP - 8 contacts
		Telephone/Ethernet doublers 100 base T
1	0 335 37	FTP - 9 contacts
1	0 335 36	UTP - 8 contacts
		Telephone/telephone doubler
1	0 335 35	45 contacts

Pack	Cat.Nos	**Video streaming unit**
1	0 335 34	Block of 6 "F" connectors for video circuits

Pack	Cat.Nos	**Fibre optic units**
		Clip directly onto fibre optic drawer Cat.No 0 335 10 (p. 79), on the patch panels with fibre optic cassette Cat.No 0 335 11 (p. 79) or in the area distribution boxes with fibre optic accessory Cat.No 0 335 20 (p. 82)
		Monomode fibre units (9/125 μm)
1	0 335 13	LC unit for 6 monomode fibres
1	0 335 12	SC unit for 6 monomode fibres
		Multimode fibre units (62.5 and 50/125 μm)
1	0 335 16	ST unit for 6 multimode fibres
1	0 335 17	SC unit for 6 multimode fibres
1	0 335 18	LC unit for 6 multimode fibres
1	0 335 19	High-density LC unit for 12 multimode fibres

Legrand cabling system LCS²
category 6A, 6 and 5e
additional products and doublers (continued)

0 335 02

0 335 01

0 327 37

0 539 49

Pack	Cat.Nos	
		Blanking plates
		Set of 12 blanking plugs for RJ 45 LCS² connector
10	0 517 40	White
10	0 517 41	Black
		Blanking plate for 19" panel
10	0 335 91	Black
		Ethernet switches 100 Mbps
		Mounted in the patch panel
		Conform with standards IEEE 802-3, EN 500 81-1 and EN 500 82-1 (Conformity with EMC requirements)
		Switch units for patch panel
		Clip directly onto the patch panels
1	0 335 02	7 RJ 45 ports at the front, 1 of which is a cascade port
		Power supply with transformer provided
1	0 335 05	6 RJ 45 ports + 1 LC type optic port with front-mounted cascade 100 base FX type LC
		Power supply via transformer provided
		Copper/fibre optic converter units
		Simply and quickly permit copper to fibre conversion and vice versa
		Clip directly onto the patch panels
		Fitted with an SC type fibre optic connector
1	0 335 06	10/100 base T to 10/100 base FX type SC
1	0 335 07	1000 base T to 1000 base SX type SC
		Midspan Power over Ethernet (PoE) injectors, 802.3 af
1	0 335 01	4 inlets/outlets
		Used for supplying 4 Wi-Fi access points
		Clips directly onto a patch panel
1	0 327 37	1 inlet / outlet
		Used for supplying a Wi-Fi access point
		Direct connection to the patch panel
		RJ 45 doubler sockets
		Provide increased security against theft and damage to double connectors
		Provide a rate of 10/100 Mbps
		Multidirectionnal cable entry
		Can be installed in all supports depth min. 35 mm
		1 module
		Ethernet/Ethernet - Mosaic Programme
		◯ White
10	0 765 39	FTP - 9 contacts
10	0 765 38	UTP - 8 contacts
		Telephone/Ethernet - Mosaic Programme
		◯ White
10	0 765 37	FTP - 9 contacts

Pack	Cat.Nos	
		RJ 45 doubler sockets (continued)
		Telephone/Ethernet - FTP - Arteor
		9 contacts
10	5 723 36	◯ White
10	5 728 36	● Magnesium
		Telephone/Ethernet - UTP - Mosaic Programme
		◯ White
10	0 765 36	UTP - 8 contacts
		Telephone/Ethernet - UTP - Arteor
		8 contacts
10	5 723 35	◯ White
10	5 728 35	● Magnesium
		Telephone/telephone - Mosaic Programme
10	0 765 35	45 contacts
		Mobile doublers
		Clip into RJ 45 sockets to double applications
10	0 327 83	TV/computer network or telephone double connector
10	0 327 47	Telephone/telephone doubler
10	0 327 45	Computer network/telephone doubler
10	0 327 46	L1/L2 telephone doubler
10	0 327 48	Computer network/computer network double connector
		Weatherproof adaptors
		IP 55 - IK 07
		Allow all functions to be adapted
Grey/White		2 Mosaic modules IP 55 operation
10	0 695 80	Adaptor with smoked flap
1	0 695 79	Adaptor with smoked flap lockable by special tool
1	0 695 81	Adaptor for RJ socket ensuring IP 44 weatherproof with cable connected
1	0 919 45	Locking tool (used for changing vandal-proof screws)
		Soliroc adaptors
		Used for adapting all functions
		2 Mosaic modules
		IK 10 - IP 55
1	0 778 80	Adaptor with flap
1	0 778 81	Adaptor without flap
		Hypra adaptor
5	0 539 49	IP 55 adaptor base

Legrand cabling system LCS²
category 6A, 6 and 5e
telephone panels, units and cables

Legrand cabling system LCS²
category 6A, 6 and 5e
accessories

0 335 79

0 517 09

0 327 60

Pack	Cat.Nos	
		Patch panel telephone 50 ports 110 connect
1	0 335 79	19" panel - 1 U

Pack	Cat.Nos	
		Crimping tool for RJ 45 plugs
1	0 517 09	Used for crimping plugs RJ 4/6/8/9 contacts Ratchet control of crimping mechanism Able to cut and strip cables Tool with 3 crimping points High resistance steel material

Cables for telephone networks

PVC sleeve - cat. 3
Colour white
Colour code TIA/EIA

		U/UTP - 50 pairs
1	0 328 91	Length 500m Supplied on reel
		U/UTP - 100 pairs
1	0 328 88	Length 500m Supplied on reel
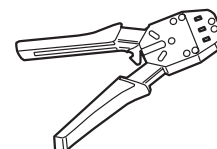
RJ plugs for round cables

Gold-coated contacts 1.2 μm

		RJ 11
50	0 517 01	4 contacts, width 9.65 mm
		RJ 12
50	0 517 02	6 contacts, width 9.65 mm
		RJ 45 cat. 5e
50	0 517 03	8 contacts, width 11.70 mm
50	0 517 04	9 contacts, width 11.70 mm
		RJ 45 sleeves
50	0 517 06	Black
50	0 517 07	White

Panels and units for incoming telephone

Assembled panels - 1 U
Fitted with 4 LCS² RJ 45
units of 12 ports with fast tool-free connection

1	0 335 31	3-6/4-5 contacts for digital telephone
1	0 335 30	4-5/7-8 contacts for analogue telephone

Incoming telephone units for self-assembly panels
Fitted with 12 LCS² RJ 45 ports with quick tool-free connection

2	0 335 33	3-6/4-5 contacts for digital telephone
2	0 335 32	4-5/7-8 contacts for analogue telephone

110 tool

1	0 332 60	110 tool
1	0 332 61	Replacement blade

Cable protection accessories

Plastic material
IP 66/67 guaranteed connection with the pair 0 533 02
IP 55 with no connection for base with shutter
Protection for RJ 45 shielded or unshielded cables ensuring a link of category 5
Conform to standards of the IEC 60603-7 series and to standard IEC 61076-3-106 (version 5)
Compatible with products on the market
Compatible with products on the market conforming to the standards listed

		Plug
3	0 533 00	Integrated PE with sealing ring and clamping blades Tool-free assembly Ability to protect cables of category 5e
		Flush-mounting base
3	0 533 01	Locking base Supplied with RJ 45 female / female coupler cat. 5e
		Kit
3	0 533 02	Flush-mounting base + plug
		Protective flap
3	0 533 03	Fits on base Cat.No 0 533 01

Stripping tool

Slits the sheath and releases the conductors by rotation
For twisted pair cables
Does not damage the conductors

		Stripper
1	0 332 62	For twisted pair and fibre optic cable
		Cutting pliers
1	0 327 60	Cut wires cleanly without damaging the copper
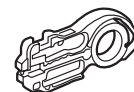
Legrand cabling system LCS² fibre optic
fibre cables
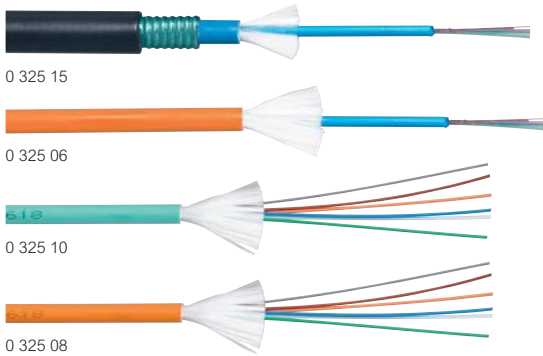
0 325 15

0 325 06

0 325 10

0 325 08

Fibre cables:
- fibre colour code: FOTAG
- standard: EN 50173-2, ISO IEC 11801

Pack	Cat.Nos		

OS1/OS2 singlemode optical cables (9/125 μm)

Pack	Loose tube	900 μm Tight buffer	
			For 9/125 μm singlemode installations (OS1)
			Yellow jacket
2000¹	0 325 12		Indoor/outdoor (universal) 6 fibres
2000¹	0 325 13		Outdoor, corrugated steel tape 6 fibres
2000¹	0 325 14	0 325 50	Indoor/outdoor (universal) 12 fibres
2000¹	0 325 15		Outdoor, corrugated steel tape 12 fibres
2000¹	0 325 51		Indoor/outdoor (universal) 24 fibres

OM 3 multimode optical cables (50/125 μm)

Pack	Loose tube	900 μm Tight buffer	
			For 50/125 μm multimode installations (OM 3)
			Green jacket
2000¹		0 325 10	Indoor/outdoor (universal) 6 fibres
2000¹		0 325 11	Indoor/outdoor (universal) 12 fibres
2000¹	0 325 53	0 325 52	Indoor/outdoor (universal) 24 fibres

OM 2 multimode optical cables (50/125 μm)

Pack	Loose tube	900 μm Tight buffer	
			For 50/125 μm multimode installations (OM 2)
			Orange jacket
2000¹		0 325 54	Indoor/outdoor (universal) 2 fibres
2000¹	0 325 59	0 325 55	Indoor/outdoor (universal) 4 fibres
2000¹	0 325 04	0 325 08	Indoor/outdoor (universal) 6 fibres
2000¹	0 325 05		Outdoor, corrugated steel tape 6 fibres
2000¹	0 325 06	0 325 09	Indoor/outdoor (universal) 12 fibres
2000¹	0 325 07		Outdoor, corrugated steel tape 12 fibres
2000¹	0 325 60	0 325 58	Indoor/outdoor (universal) 24 fibres

OM 1 multimode optical cables (62.5/125 μm)

Pack	900 μm Tight buffer	
		For 62.5/125 μm multimode installations (OM 1)
		Orange jacket
2000¹	0 325 00	Indoor/outdoor (universal) 6 fibres
2000¹	0 325 01	Indoor/outdoor (universal) 12 fibres

1: in metre(s)

customised fibre optic links

⬇ FIBRES PRE-FITTED WITH CONNECTORS

■ Length of link
(from connector to connector in metres)
Link supplied with protective sleeve and compression gland pull system to facilitate entry into the fibre optic enclosures

■ Connectors:
LC
SC
ST

Number of fibres: 4, 6, 12

■ Fibre type

Multimode: 62.5/125 μm
Conforms with category OM1

Multimode: 50/125 μm
(ensured speed 1 Gbps)
Conforms with category OM2
Multimode: 50/125 μm

(ensured speed 10 Gbps over 300m)
Conforms with category OM3
Monomode: 9/125 μm

(ensured speed 10 Gbps)
Conforms with category OS1

■ Type of sheath:
Internal/External
(glass anti-rodent protection)
External (structure can be buried, reinforced ringed-steel protection)

⬇ DOCUMENTS

Each link is supplied with a test report (fibre by fibre) and illustrated operating instructions
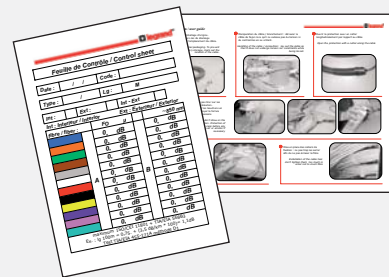
⬇ PACKAGING

According to length of link:
- packed on a reel
- packed on a ring
Connector protection by tube

Reel

⊔ legrand

Legrand cabling system LCS²
fibre optic
floor distribution cabinets

0 462 91

Legrand cabling system LCS²
fibre optic
19" high density fibre optic drawer

0 325 69 (not equipped)

Pack	Cat.Nos	**Floor distribution fibre optic cabinets**
		Reversible metal cabinets with key lock
		IP20 - IK 08
		Maximum capacity:
		- 24 fibres with ST connectors
		- 48 fibres with SC connectors
		- 96 fibres with LC connectors
		Up to 4 fibre optic units can be fitted
		Cat.Nos 0 325 70/71/72/73/74/75/76/77/78/79,
		0 335 12/13/16/17/18/19 and 0 327 86
		4 cable entries (2 at the top and 2 at the bottom)
		12 cable outlets, 22 mm diameter (3 at the top, 3 at
		the bottom and 6 at the sides)
		Supplied with 1 black ISO 20 cable gland to hold the
		incoming cable and 15 feedthrough covers
		Supplied with fibre optic accessories for the fibre
		coiling
		The outgoing cables can be clamped using a clamp
		at the back of the cabinet
		Can take 2 cassettes for pigtails Cat.No 0 329 07
		(incoming and outgoing)
		292 x 323 x 92 mm
		Black RAL 9005
1	0 462 90	Modular cabinet
1	0 462 91	Cabinet equipped with 2 SC fibre optic units for
		12 multimode fibres

Pack	Cat.Nos	**19" high density fibre optic drawer**
1	0 325 69	Modular fibre optic drawer
		Slide-in and modular drawer
		Maximum capacity:
		- 36 ST and SC connectors
		- 72 LC connectors
		Depth 220 mm, height 1 U
		Supplied with screws and wiring accessories
		Receives up to 3 fibre optic units below

		Fibre optic units
		Clip directly onto the optic drawer
		Cat.No 0 325 69
		Singlemode fibre units (9/125 µm)
1	0 325 73	LC duplex unit for 12 singlemode fibres - blue
1	0 325 74	LC quadriplex unit for 24 singlemode fibres - blue
1	0 325 70	ST duplex unit for 12 singlemode fibres - blue
1	0 325 71	SC duplex unit for 12 singlemode fibres - blue
1	0 325 72	MPO unit type A for 6 x 12 singlemode fibres - blue
		Multimode fibre units (62.5 and 50/125 µm)
1	0 325 78	LC duplex unit for 12 multimode fibres - beige
1	0 325 79	LC quadriplex unit for 24 multimode fibres - beige
1	0 325 75	ST duplex unit for 12 multimode fibres - beige
1	0 325 76	SC duplex unit for 12 multimode fibres - beige
1	0 325 77	MPO unit type A for 6 x 12 multimode fibres - beige

		Accessory
1	0 335 93	Blanking plate

		Accessories common to 2 fibre optic drawers
		Cassette for pigtails
1	0 329 07	12 fibre capacity
		Bend limiting clip
8	0 335 94	Fibre management bend limiting clip

Legrand cabling system LCS²
fibre optic
19" fibre optic drawers and fibre sockets

"Tail-coat" enclosure rear for easier cable entry
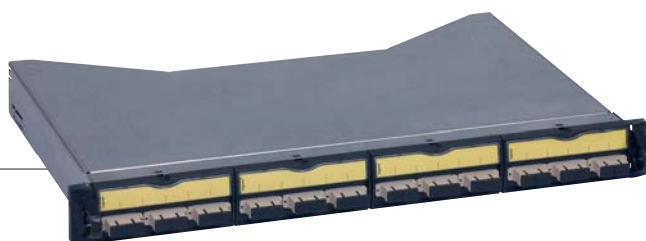
0 335 09 fitted with fibre optic units

0 335 13

0 335 12

0 335 11 fitted with fibre optic unit 0 335 17

0 786 17

0 786 18

19" slide-in modular optic drawers

Pack	Cat.Nos	
1	0 335 10	Limit switch stop with 45° slope Depth 220 mm, height 1 U Maximum capacity: - 24 x ST and SC connectors ST - 48 x LC connectors Supplied with screws and wiring accessories Takes up to 4 fibre optic units (see below)
1	0 335 09	Supplied with 24 SC connectors

Fibre optic units

Clip directly onto the fibre optic drawer
Cat.No 0 335 10 or on the patch panels with fibre optic
cassette Cat.No 0 335 11

Pack	Cat.Nos	
		Singlemode fibre units (9/125 µm)
1	0 335 13	LC unit for 6 singlemode fibres
1	0 335 12	SC unit for 6 singlemode fibres
1	0 327 86	SC/APC unit for 4 singlemode fibres
		Multimode fibre units (62.5 and 50/125 µm)
1	0 335 16	ST unit for 6 multimode fibres
1	0 335 17	SC unit for 6 multimode fibres
1	0 335 18	LC unit for 6 multimode fibres
1	0 335 19	High-density LC unit for 12 multimode fibres

Switch/fibre optic unit

Pack	Cat.Nos	
1	0 335 05	Power supply via transformer provided 6 x RJ 45 ports + 1 cascade LC type optic port at the front Clips directly onto the patch panels

Copper/fibre optic converter units

For simple and fast copper to fibre conversion and
vice versa
Clip directly onto the patch panels
Fitted with an SC type fibre optic connector

Pack	Cat.Nos	
1	0 335 06	10/100 base T to 10/100 base FX type SC
1	0 335 07	1000 base T to 1000 base SX type SC

Fibre optic cassette for patch panel

Pack	Cat.Nos	
1	0 335 11	Ensures fibre coiling (from 2 to 12 fibres) Takes a fibre optic unit Cat.Nos 0 335 12/13/16/17/18/19 Used for linking copper and fibre optic blocks on the same LCS² patch panel

Blanking plate for 19" panel

Pack	Cat.Nos	
10	0 335 91	Black

Cassette for pigtails

Pack	Cat.Nos	
1	0 329 07	12-fibre capacity

Sockets with fibre optic feedthrough

Fitted with duplex feedthrough 2 inlets/2 outlets
Used for connecting 2 fibres (fitted with their connector)
Supplied with protective caps
Fitted with transparent marker holder
2 modules

Pack	Cat.Nos	
		Socket with fibre optic feedthrough 2 x ST Bayonet connection (STII compatible)
1	0 786 16	○ White
		Socket with fibre optic feedthrough 2 x SC Push-pull connection
1	0 786 17	○ White
		Socket with fibre optic feedthrough 2 x LC Push-pull connection
1	0 786 18	○ White
		Socket with fibre optic feedthrough 2 x SC/APC Push-pull connection With shutters
1	0 786 14	○ White

Accessories

Pack	Cat.Nos	
1	0 369 00	**Surface-mounting box for 6 units** Holds 6 connectors, white 177.2 mm W x 29.5 mm H x 110 mm D
1	0 369 01	**Connector LC Duplex** 1-LC (2 fibres), beige adaptor, phosphor-bronze, alignment sleeves 180° exit, flush, 1 unit
1	0 369 03	**Connector SC Duplex** 2-SC Simplex, Multimode, beige adaptor, phosphor-bronze, alignment sleeves 180° exit, flush, 1 unit
1	0 369 02	**Blank module** 1 unit

Legrand cabling system LCS²
fibre optic
optic connectors and pigtails

0 326 57

0 326 58

0 326 53

0 331 27

0 331 00

0 326 90

0 330 49

Pack	Cat.Nos	**Tool case for preparing optic fibres for optic connectors**
1	0 326 90	Provides the tools required for preparing optic cables, for carrying out initial tests of the connection of fibres to connectors and the accessories for easy connection in all situations Comprises: - Installation instructions and video - Stripping tool (for fibres and cables) - Cleaving tool - Microscope for checking the quality of the cut - Visual fault locator with cord - Accessories (ultra-strong scissors, marker, protective glasses, etc.)

Pack	Cat.Nos	**Update kit for case Cat.No 0 331 93**
1	0 326 91	Comprises: - Visual fault locator with cord - Adaptors for connectors - Connector support for easier connection

Pack	Cat.Nos	**Fast-connection connectors**
		Quick to connect, reliable and can be reused up to 5 times Microswitch for locking the fibre inside the connector and illuminated indicator for checking for faults at the end of the process These connectors do not require any glue, polishing or special tools For installation on tight jacketed fibre (diam. 900 µm) For loose jacketed fibre (diam. 250 µm), use a spreader Cat.No 0 330 48 or 0 330 49
		Multimode connectors
10	0 326 57	SC/UPC connector 50 µm OM3/OM4 900 µm
10	0 326 58	LC/UPC connector 50 µm OM3/OM4 900 µm
10	0 326 56	ST/UPC connector 50 µm OM3/OM4 900 µm
10	0 326 62	SC connector 62.5 µm OM1 900 µm
10	0 326 61	ST connector 62.5 µm OM1 900 µm
		Singlemode connectors
10	0 326 52	SC/UPC connector 9 µm OS1/OS2 900 µm
10	0 326 53	LC/UPC connector 9 µm OS1/OS2 900 µm
10	0 326 54	SC/APC connector 9 µm OS1/OS2 900 µm

Pack	Cat.Nos	**Precision fibre optic cleaver**
1	0 331 97	FO cleaver

		Pigtails
		Supplied with 900 µm sleeve, 1 m
		10 Gb - 50/125 µm
1	0 326 22	SC connector
1	0 326 23	LC connector
1	0 326 19	SC/APC connector
1	0 326 27	6 x LC-PC connectors
1	0 326 26	12 x LC-PC connectors
		9/125 µm OS1/OS2
1	0 326 20	SC connector
1	0 326 21	LC connector
1	0 326 25	6 x LC-UPC connectors
1	0 326 24	12 x LC-UPC connectors
		Thermoretractable sleeve for pigtails
1	0 327 44	40 mm - pack of 50 sleeves

		Glue-on connectors 50/125 and 62.5/125 µm
		Supplied with sleeve 900 µm Connectors with ceramic ferrule Typical attenuation: 0.3 dB
10	0 331 27	ST connector
10	0 331 47	SC connector
10	0 331 00	LC connector

		Breakout kits
		For 900 µm of optical fibres Take 250 µm fibre diameters
1	0 330 48	6 fibre breakout kit
1	0 330 49	12 fibre breakout kit

Legrand cabling system LCS²
fibre optic
optic connectors

■ Technical characteristics
- Connection of connectors on 900 µm fibre
- Maximum attenuation 0.3 dB
- Ideal for high-speed systems: 10 gigabit Ethernet
- Operating temperature: 0 to 65 °C
- Shallow connectors

■ Advantages:
- High quality finish
- Can be reused 5 times
- Shallow connector, depth less than 40 mm
- Connector factory pre-polished and does not require any glue
- No special tools, easy to transport
- Speed of installation: simple connection process, quick training
It takes less than five seconds to fit the connector

■ The basic steps

Preparation of the fibre:

Stripping

Cleaving

Inspection

Connection:

1/ Insert the fibre in the connector

2/ Slide the switch on the connector - the splice is done

3/ Slide the boot onto the connector

Finally, the visual fault locator is used to check the connection.

■ Rapid crimping connectors with tool case Cat.No 0 326 90

Types of connector
- ST connector: Helical shape locked by "push and turn" bayonet type connector
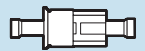
- SC connector: Rectangular shape "push-pull" latch type locking
  Suitable for a large number of active devices
  Recommended in the generic standards ISO/IEC 11801 and EN 50173
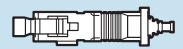
- LC connector: Rectangular shape tab locking
  Half the size of a conventional connector

Legrand cabling system LCS[2]
fibre optic
area distribution boxes

0 335 40

0 335 40 fitted with SC fibre optic unit, accessory
Cat.No 0 335 20 and a 6 x RJ 45 connector unit

0 335 20 fibre optic
accessory

0 786 16

0 786 17

0 786 18

Pack	Cat.Nos	**Area distribution box**
		For distribution of low current in an area fitted with 1 to 12 RJ 45 sockets
		Centralise connections to guarantee flexibility and adaptability of the installation
		Installed on false ceiling or false floor
		Connect to the patch panel or the floor cabinet
		Conform to standards UTE C 15-900, NF C 15-100, NF C 20-730, EN 50-174.2, CEI 60950, ISO/IEC 11801 Ed. 2.0, EN 50173-2 and TIA/EIA 568
		Colour code and wiring schemes T 568 A and T 568 B
		Cords and cables: ISO 11801 Ed.2.0, EN 50173-1, TIA/EIA 568
		Technical characteristics:
		- polycarbonate PC hood
		- polypropylene PP base
		- RAL 7035
		- hold connector units in place in the box: 100 N
		- Cables anchored on support using Colring cable ties
		Self-assembly area distribution box
1	0 335 40	Used for fitting fibre optic accessory units

Pack	Cat.Nos	**Fibre optic accessory**
1	0 335 20	Used for fitting fibre optic units (p. 79) and the fibre coil in the area distribution box

Pack	Cat.Nos	**Sockets with fibre optic feedthrough**
		Fitted with duplex feedthrough 2 inlets/2 outlets
		Used for connecting 2 fibres (fitted with their connector)
		Supplied with protective caps
		Fitted with transparent marker holder
		2 modules
		Socket with fibre optic feedthrough 2 x ST
		Bayonet connection (STII compatible)
1	0 786 16	○ White
		Socket with fibre optic feedthrough 2 x SC
		Push-pull connection
1	0 786 17	○ White
		Socket with fibre optic feedthrough 2 x LC
		Push-pull connection
1	0 786 18	○ White
		Socket with fibre optic feedthrough 2 x SC/APC
		Push-pull connection
		With shutters
1	0 786 14	○ White

Technical characteristics p. 103

Fitted with 2 connectors with ceramic ferrule at either end
Packed and tested individually (report supplied)
Zipcord LSZH sleeve

Pack	Cat.Nos	**OS1/OS2 (UPC) singlemode optical cords**
		Max. optical losses: 0.3 dB
		For OS1 9/125 µm singlemode installations, OS1 type
		Yellow sheaths
		SC/SC duplex cords
3	0 326 00	Length: 1 m
3	0 326 01	Length: 2 m
3	0 326 02	Length: 3 m
		SC/LC duplex cords
3	0 326 03	Length: 1 m
3	0 326 04	Length: 2 m
3	0 326 05	Length: 3 m
		LC/LC duplex cords
3	0 326 06	Length: 1 m
3	0 326 07	Length: 2 m
3	0 326 08	Length: 3 m

Pack	Cat.Nos	**OM 3 (PC) multimode optical cords (50/125 µm)**
		Suitable for 10 Gb Ethernet network
		Max. optical losses: 0.3 dB
		For 50/125 µm multimode installations, OM 3 type
		Purple sheaths
		SC/SC duplex cords
3	0 326 09	Length: 1 m
3	0 326 10	Length: 2 m
3	0 326 11	Length: 3 m
		SC/LC duplex cords
3	0 326 12	Length: 1 m
3	0 326 13	Length: 2 m
3	0 326 14	Length: 3 m
		LC/LC duplex cords
3	0 326 15	Length: 1 m
3	0 326 16	Length: 2 m
3	0 326 17	Length: 3 m

Pack	Cat.Nos	**OM 2 (UPC) multimode optical cords (50/125 µm)**
		Max. optical losses: 0.3 dB
		For 50/125 µm multimode installations, OM 2 type
		Orange sheaths
		ST/ST duplex cords
3	0 330 80	Length: 1 m
3	0 330 81	Length: 2 m
3	0 330 82	Length: 3 m
		SC/SC duplex cords
3	0 330 69	Length: 1 m
3	0 330 70	Length: 2 m
3	0 330 71	Length: 3 m
		ST/SC duplex cords
3	0 330 72	Length: 2 m
3	0 330 73	Length: 3 m
		LC/LC duplex cord
3	0 330 61	Length: 2 m
		SC/LC duplex cords
3	0 330 75	Length: 1 m
3	0 330 63	Length: 2 m
3	0 330 76	Length: 3 m
		LC/ST duplex cord
3	0 330 65	Length: 2 m

Pack	Cat.Nos	**OM 1 (UPC) multimode optical cords (62.5/125 µm)**
		Max. optical losses: 0.3 dB
		For 62.5/125 µm multimode installations, OM 1 type
		Orange sheaths
		SC/SC duplex patch cords
3	0 331 51	Length: 1 m
3	0 331 52	Length: 2 m
3	0 331 53	Length: 3 m
		ST/SC duplex patch cords
3	0 331 57	Length: 1 m
		LC/SC duplex patch cords
3	0 330 77	Length: 1 m
3	0 330 62	Length: 2 m
3	0 330 78	Length: 3 m

Legrand cabling system LCS²
Wi-Fi access points

0 335 21

0 779 13

0 335 24

Technical characteristics **p. 104**

Manageable Wi-Fi access points 802.11n

Pack	Cat.Nos	
		Coverage area: 600 m²
		Dual band 2.4 GHz or 5 GHz
		Conforms with standard 802.11 a, b, g, n
		Theoretical speed: 300 Mbps gross
		MIMO 2x2, supports up to 4 SSIDs
		False ceiling integration - PoE power supply
		(Power over Ethernet - standard IEEE 802.3 af)
		Network connection via a tool-free RJ 45 connector
		The installation must include at least:
		- a Wi-Fi access point (false ceiling)
		- a PoE injector Cat.No 0 335 01 conforming with
		802.3 af (LCS² unit format) to be installed in the
		patch cabinet
		Can be configured centrally via controller
		Cat.No 0 332 25 or via configuration software
		Cat.No 0 335 24 or individually
		The management function allows the network
		administrator to manage Wi-Fi access points
		remotely via a web https interface
		Security via WEP, WPA and WPA2 (802.11i)
		encryption and 802.1x authentication QOS WMM
		compatible and supports SNMP management
		Guest access:
		independent access to the private Wi-Fi network
		Energy saving with standby management
1	0 335 22	Wi-Fi surface-mounted access point 802.11n
1	0 335 21	Wi-Fi ceiling-mounted access point 802.11n

Manageable Wi-Fi access points 802.11a & b/g

Pack	Cat.Nos	
		Dual-band and dual-radio
		Conform with standards 802.11a and 802.11b/g
		Gross speed: 54 Mbps max. on each frequency
		(802.11a and 802.11g) simultaneously
		Can be integrated into all compatible supports with
		minimum 40 mm depth
		Tool-free network connection via RJ 45 connector
		PoE power supply (Power over Ethernet - standard
		802.3 af)
		The installation must include at least:
		- Wi-Fi access point
		- a PoE injector conforming with 802.3af (LCS² unit
		format) to be installed in the patch panel
		The management function allows the network
		administrator to manage Wi-Fi access points
		remotely via a web interface
		Security via WPA2 encryption (802.11i) and 802.1x
		authentication
		Guest access: allows visitors free access to the
		Internet (access independent of the main Wi-Fi
		network)
	Mosaic	4 modules
1	0 779 14	Equipped with an RJ 45 socket on the
		front panel
		○ White
1	0 779 13	Without RJ 45 socket outlet
		○ White
	Arteor	
1	5 723 76	With RJ 45 socket on front
		○ White
1	5 728 76	With RJ 45 socket on front
		● Magnesium
1	5 723 77	With no RJ 45 socket
		○ White
1	5 728 77	With no RJ 45 socket
		● Magnesium
1	5 723 78	With no RJ 45 socket
		Standard 802.11b/g only
		○ White
1	5 728 78	With no RJ 45 socket
		Standard 802.11b/g only
		● Magnesium

Centralised configuration software

Access point manager

Pack	Cat.Nos	
1	0 335 24	Allows the installation of a secure Wi-Fi network with
		centralised management of the Wi-Fi access points
		The installation must include at least:
		- Wi-Fi access points
		- a PoE injector conforming with 802.3 af (LCS² unit
		format) to be installed in the patch cabinet

Legrand cabling system LCS²
Wi-Fi network management system

0 335 25   0 332 93

🔍 Technical characteristics **p. 104**

Pack	Cat.Nos	
		Wi-Fi network management system
1	0 335 25	**Supervisory controller** Allows the installation of a secure Wi-Fi network with filtering and traceability Possibility of managing private and public access to the Wi-Fi network Possibility of billing for network access (in hotels for example) Can be installed in addition to structured wiring New or existing LCS² to meet the needs of mobile and travelling workers The management function allows the network administrator to manage the Wi-Fi access points remotely with configuration software included Supports SNMP management with an embedded DHCP server Integrates into the patch cabinet Allows the configuration up to 5 terminals centralised on an IT network and to manage 50 connections at the same time The installation must include at least: - 1 supervisory controller - Wi-Fi access points (false ceiling) - 1 PoE injector conforming with IEEE 802.3 af (LCS² unit format) to be installed in the patch cabinet - If the installation involves more than 5 Wi-Fi access points, an extension licence must be provided
		Extension licences Can be used in addition to the supervisory controller to extend the network
1	0 335 26	Allow the extension of the network to a maximum of 10 Wi-Fi access points (5 + 5) Manages up to 100 connections at the same time
1	0 335 27	Allow the extension of the network to a maximum of 25 Wi-Fi access points (5 + 20) Manage up to 200 connections at the same time
		Power over Ethernet (PoE) injectors Midspan
1	0 335 01	4 inputs/outputs Supply 4 Wi-Fi access points Attach directly to the patch panel conform with standard IEEE 802.3 af
1	0 327 37	1 input/1 output
		Ethernet switches 100 Mbps
		Boxes to be installed on shelf
1	0 332 93	5 RJ 45 port switch Power supply via transformer provided Dimensions: 116 x 70 x 25 mm
1	0 332 91	8 RJ 45 port switch Power supply via transformer provided Dimensions: 171 x 98 x 29 mm
		Mini shelf
1	0 332 81	For switch Cat.Nos 0 332 91/93 Dimensions: 220 x 220 x 43 mm For horizontal, vertical or projecting mounting of the switch Supplied with system for retaining the live product

Legrand cabling system LCS²
switches

0 779 00

0 332 80

🔍 Technical characteristics **p. 104**

Pack	Cat.Nos	
		Flush-mounting Ethernet 10/100 base T switches For networking computer peripherals without a patch panel: computers, printers, servers, etc. Possibility of extending an existing network by simply replacing an RJ 45 socket Tool-free connection Conform with standards IEEE 802.3 (Ethernet) and EN 500 81/82-2 (EMC requirements) Installation in all supports with minimum 40 mm depth 6 ports at the front + 1 side RJ 45 connector for cabling and carrying out link tests Port status display integrated into the RJ 45 connectors Labelling of each port from 1 to 6 and marker holder for switch identification 6 modules
		Non manageable 230 V supply - Mosaic Programme
1	0 779 00	○ White
		Non manageable PoE supply (802-3 af) supply - Mosaic Programme
1	0 779 01	○ White
		Manageable 230 V supply - Mosaic Programme
1	0 779 20	○ White
		Non manageable 230 V supply - Arteor
1	5 720 83	○ White
1	5 728 83	● Magnesium
		Non manageable PoE supply (802-3 af) supply - Arteor
1	5 720 84	○ White
1	5 728 84	● Magnesium
		Manageable 230 V supply - Arteor
1	5 720 85	○ White
1	5 728 85	● Magnesium
		Mosaic VDI distribution block without connectors
1	0 332 80	16 modules Dimensions: 135 x 223 x 57 mm For small patch panel For mounting a Mosaic switch Cat.Nos 0 779 00/01/20

Audio/video sockets:
the right system to meet your needs

A wide range of technologies (HDMI, HD15, RCA, YUV):
an answer corresponding to the location and the needs of users

🔍 DISCOVER A FULL SYSTEM

From the cabinets to the terminal sockets
- 19'' LCS^2 cabinets
- 19'' patch panels: to distribute the audio/video signal
- cords: for connecting a socket to a terminal
- cables: for connecting 2 sockets a long distance apart
- sockets: choose between 20 technologies

▶▶▶ 19''LCS^2 cabinets, p. 87

▶▶▶ Patch panels, cables and cords, p. 87

▶▶▶ Sockets, p. 88 to 91

➕ MORE INFORMATION

Get detailed information on many digital or printed supports, or contact your Area Commercial Manager

▶ www.legrand.ir

▶ E-book

▶ Legrand Cabling System^2

L1 **legrand**

0 335 96

0 335 98

0 463 19   0 517 23   0 517 24
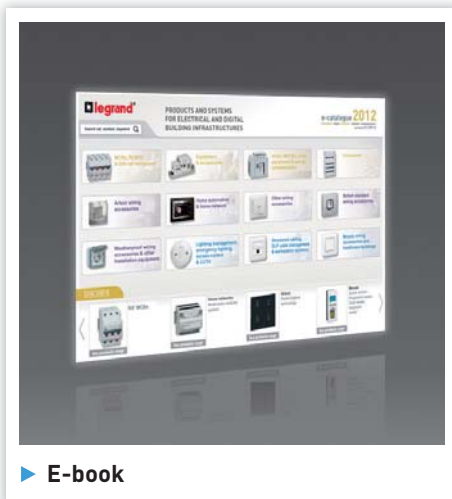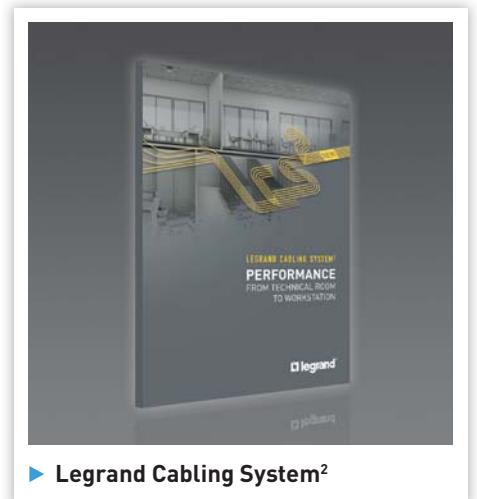
Freestanding cabinets   p. 96

Pack	Cat.Nos	**19" LCS² freestanding cabinets**
		IP 20 - IK 08 Baying cabinets with reversible curved front door made of screen-printed safety glass Side and rear removable panels Panels with automatic equipotential connection Lock with 2433 A key for locking of the 4 sides Top and bottom cable entries (19" cut-out format), receive 19" plates with brushes, fans, etc. Equipped with 4 x 19" uprights with U marking and depth adjusting aid Levelling feet adjustable from the inside Option of cable and patch cord management in cabling unit Cat.Nos 0 463 34/35 (p. 760) Cabinets can be dismantled completely where access is difficult Cabinets can be linked with kit Cat.Nos 0 463 37/38 (p. 760) Charcoal grey RAL 7016

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)	Load capacity (kg)
1	0 463 00	24 U	1226	600	600	240
1	0 463 19	42 U	2026	600	800	420

Pack	Cat.Nos	**19" patch panels**
		Used to distribute the audio/video signal Equipped with marked connectors 19" female 1 U metal panels
1	0 335 96	XLR 19" panel - 16 connectors
1	0 335 97	HDMI 19" panel - 16 connectors
1	0 335 98	HD15 19" panel - 12 connectors

Pack	Cat.Nos	**Cords**
		For connecting a socket to a terminal
1	0 517 20	**HDMI cord** Length 10 m For connecting an HDMI socket to an audio/video terminal (plasma screen, DVD player, home cinema, games console, etc.) For use over a distance of more than 10 m, use the HDMI booster Cat.No 0 779 30 (see general catalogue)
1	0 517 22	**HD15 cord + 3.5 mm jack** Length 2 m For connecting an HD15 video socket and a 3.5 mm audio jack to a terminal (PC, video projector)
1	0 517 23	**HD15 cord** Length 10 m For connecting an HD15 socket to a video terminal (PC, video projector, etc.)
1	0 517 24	**XLR cord** Length 10 m For connecting an XLR socket to an audio peripheral (microphone, amplifier, etc.)
1	0 517 25	**9-way SUB-D cord** Length 10 m For RS 232 serial connection (printer, machine screen, etc.)

Pack	Cat.Nos	**Cables**
		For connecting 2 sockets a long distance apart
1	0 327 80	**HDMI cables** Length 20 m For connecting HDMI sockets over distances of up to 10 m
1	0 327 81	**VGA cables** Length 20 m For full pin connection of HD15 sockets over distances of up to 20 m

■ legrand

Arteor™ audio/video sockets

5 727 79   5 722 82   5 720 97   5 722 88   5 722 74   5 720 89

Mechanisms supplied with rocker plates, tao be equipped with support frames and plates (see general catalogue)
Can be integrated in all supports

Pack	Cat.Nos	**Female HD 15 sockets**
		For transmitting analogue video streams between a source (computer) and a compatible receiver (plasma screen, LCD screen, video projector, etc) VGA, XGA or UXGA definition depending on the computer's graphics card
		Solder connection - 1 module
1	5 722 79	○ White
1	5 727 79	● Magnesium
		Connection on screw terminals - 2 modules
1	5 722 82	○ White
1	5 727 82	● Magnesium
		Preconnected - 1 module
		Equipped with a 15 cm cord
1	5 720 97	○ White
1	5 725 97	● Magnesium

Pack	Cat.Nos	**Female HD 15 sockets + jack 3.5 mm**
		Can be used to create full pin (15-pin) VGA links for a PC monitor, plasma screen etc, and audio links from a portable source
		Connection on screw terminals - 2 modules
1	5 722 88	○ White
1	5 727 88	● Magnesium

Pack	Cat.Nos	**Female Jack 3.5 mm sockets**
		For establishing audio links from a portable source
		Solder connection - 1 module
1	5 722 78	○ White
1	5 727 78	● Magnesium
		Connection on screw terminals - 1 module
1	5 722 74	○ White
1	5 727 74	● Magnesium
		Preconnected - 1 module
		Equipped with a 15 cm cord
1	5 720 91	○ White
1	5 725 91	● Magnesium

Pack	Cat.Nos	**HDMI sockets**
		Used to transmit High-definition digital audio/video streams between a source (HD-DVD drive, computer, etc) and a compatible receiver (plasma, LCD, etc) Can be used with HDMI cords and cables (p. 87)
		Connection on screw terminals - 2 modules
1	5 722 81	○ White
1	5 727 81	● Magnesium
		Preconnected - 1 module
		Equipped with a 15 cm cord
1	5 720 96	○ White
1	5 725 96	● Magnesium

Pack	Cat.Nos	**Display port sockets**
		For transmitting high-definition digital audio/video streams between a source (HD-DVD drive, computer, etc) and a compatible receiver (plasma screen, LCD screen, etc)
		Preconnected - 1 module
		Equipped with a 15 cm cord
1	5 720 90	○ White
1	5 725 90	● Magnesium

Pack	Cat.Nos	**Videoprojector switch**
		Universal remote switch allowing to turn ON or place in STANDBY mode a video projector Works with all videoprojectors through IR learning process Installed close to the room's lighting switches, this product replaces the constructor remote and fosters the ignition and extinction of the video projector therefore reducing energy consumption and extending the bulb's lifetime 2 modules To be installed and connected near a push-button
1	5 720 89	○ White

Arteor™ audio/video sockets (continued)

5 722 72   5 727 73   5 727 71   5 722 76   5 722 84   5 722 83   5 722 70

Mechanisms supplied with rocker plates, to be equipped with support frames and plates (see general catalogue)
Can be integrated in all supports

Pack	Cat.Nos	
		2 x female RCA sockets
		Provide the link for any peripheral device such as a DVD player, camera, video recorder, etc. For stereo audio link
		Connection on screw terminals - 1 module
1	5 722 72	○ White
1	5 727 72	● Magnesium
		Preconnected - 1 module Equipped with a 15 cm cord
1	5 720 92	○ White
1	5 725 92	● Magnesium
		3 x female RCA sockets
		Provide the link for any peripheral device such as a DVD player, camera, video recorder, etc. For composite video and stereo audio link
		Connection on screw terminals - 1 module
1	5 722 73	○ White
1	5 727 73	● Magnesium
		Preconnected - 1 module Equipped with a 15 cm cord
1	5 720 93	○ White
1	5 725 93	● Magnesium
		YUV sockets
		Provide the high definition analogue video link for a DVD, PC monitor, plasma screen, etc
		Connection on screw terminals - 1 module
1	5 722 71	○ White
1	5 727 71	● Magnesium
		S-video sockets (4-pin mini-DIN)
		Provide the YC video link for any peripheral device such as a DVD drive, camera, video recorder, videoconferencing, etc
		Connection on screw terminals - 1 module
1	5 744 01	○ White
1	5 744 51	● Magnesium
		Female BNC 75 sockets
		Provide the high definition analogue video link for a camera, plasma screen, etc
		Connection on screw terminals - 1 module
1	5 722 76	○ White
1	5 727 76	● Magnesium

Pack	Cat.Nos	
		Attenuators
		100 V - 25 W Allow to adjust power to 25 W from a balanced 100 V loudspeaker line 2 modules
1	5 722 84	○ White
1	5 727 84	● Magnesium
		3-pole XLR sockets
		For the stereo connection of any peripheral, microphone, mixing console Recommended microphone cable: 1 x 0.22 mm² shielded audio pair Recommended speaker cable: 1 x 1.5 mm² audio pair (will take 2.5 mm²) Max. cable length: 50 m (beyond this an audio amplifier is recommended) 2 modules
		XLR female
1	5 722 83	○ White
1	5 727 83	● Magnesium
		XLR male
1	5 722 77	○ White
1	5 727 77	● Magnesium
		Loudspeaker sockets
		4 mm² terminals
		1 module
10	5 722 70	○ White
10	5 727 70	● Magnesium
		2 module
10	5 722 80	○ White
10	5 727 80	● Magnesium

Mosaic™ programme audio/video sockets

0 787 77   0 787 74   0 787 72   0 787 73

0 787 70

0 787 99
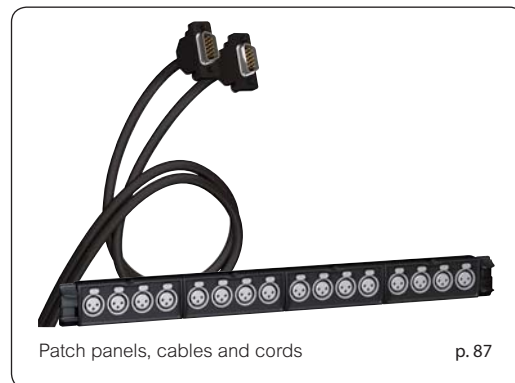
Patch panels, cables and cords   p. 87

Pack	Cat.Nos	**Female HD15 sockets**
		Used to transmit analog video streams (VGA, XGA, UXGA depending on graphic card) between a source (computer) and a compatible receiver (plasma, LCD, video projector, etc...)
		Preconnected sockets - 1 module Equipped with cord, length 15 cm
1	0 787 77	○ White
1	0 793 77	● Alu
		Screw-type female HD15 sockets - 2 modules
1	0 787 57	○ White
1	0 792 57	● Alu
		Screw-type female HD15 sockets - 2 modules + 3.5 mm jack
1	0 787 74	○ White
		Solder-type female HD15 sockets - 1 module 15 pin
1	0 787 72	○ White

HDMI type A sockets

Pack	Cat.Nos	
		Used to transmit high-definition digital audio/video streams between a source (HD-DVD drive, computer, etc) and a compatible receiver (plasma, LCD, etc) Can be associated with HDMI cord and cable (see p. 87)
		Preconnected sockets - 1 module Equipped with cord, length 15 cm
1	0 787 78	○ White
1	0 793 78	● Alu
		Screw-type sockets - 2 modules
1	0 787 68	○ White
1	0 792 75	● Alu

Jack sockets 3.5 mm

Pack	Cat.Nos	
		3.5 mm jack connectors can be used to create audio/video links from a portable source
		Preconnected sockets - 1 module Equipped with cord, length 15 cm
1	0 787 79	○ White
1	0 793 79	● Alu
		4 screw-type female 3.5 mm jack socket - 1 module
1	0 787 64	○ White
1	0 792 64	● Alu
		Solder-type female 3.5 mm jack socket - 1 module
1	0 787 73	○ White

HD15 + 3.5 mm Jack amplifier

Pack	Cat.Nos	
		Used to connect audio/video terminals more than 20 m apart up to 100 m The video link is via an HD15 connector (resolution up to UXGA) The stereo audio link is via a 3.5 mm jack The kit includes: - One 4-module Mosaic transmitter equipped with an HD15 connector and a 3.5 mm jack - One 4-module Mosaic receiver equipped with an HD15 connector and a 3.5 mm jack - One 4-module Mosaic power supply to be connected on the mains then linked to the receiver or transmitter The link between the transmitter and receiver is via a network cable (Cat.No 0 327 56) Transmitter and receiver are supplied with an RJ 45 LCS jack for tool-free connection
1	0 787 70	○ White

Videoprojector switch

Pack	Cat.Nos	
		Universal remote switch allowing to turn ON or place in STANDBY mode a video projector Works with all videoprojectors through IR learning process Installed close to the room's lighting switches, it replaces the constructors remote and fosters the ignition and extinction of the video projector therefore reducing energy consumption and extending the bulb's lifetime
1	0 787 99	○ White

Display port sockets

Pack	Cat.Nos	
		Used to transmit high-definition digital audio/video streams between a source (laptop, computer, etc) and a compatible receiver (plasma, LCD, videoprojector)
		Preconnected socket - 1 module Equipped with cord, length 15 cm
1	0 787 91	○ White

Mosaic™ programme audio/video sockets (continued)

| 0 787 52 | 0 787 71 | 0 787 63 | 0 792 55 | 0 787 60 | 0 787 50 | 0 787 76 |

Pack	Cat.Nos	**Female RCA sockets**
		Female 1 RCA socket - 1 module Provides the composite video link for any peripheral device such as a DVD drive, camera, video recorder, etc
1	0 787 52	○ White
		Female 2 RCA socket - 1 module Provides the stereo audio link for any peripheral device such as a DVD drive, camera, video recorder
1	0 787 53	○ White
		Female 3 RCA sockets - 1 module Provide the composite video and stereo audio link for any peripheral device such as a DVD drive, camera, video recorder, videoconferencing, etc
1	0 787 54	○ White
1	0 792 54	● Alu

Pack	Cat.Nos	**Other audio and video sockets**
		DVI-I socket - 2 modules Used to transmit high-definition digital video streams between a source (computer) and a compatible receiver (plasma, LCD, video projector, etc)
1	0 787 71	○ White
		YUV socket - 1 module Provides the high definition analogue video link for a DVD, PC monitor, plasma screen, etc
1	0 787 69	○ White
		Female BNC 75 socket - 1 module Provides the composite video link for any peripheral device such as a DVD drive, camera, video recorder, etc
1	0 787 58	○ White
		S-Video socket (4-pin mini-DIN) - 1 module Provides the YC video link for any peripheral device such as a DVD drive, camera, video recorder, videoconferencing, etc
1	0 787 63	○ White

Pack	Cat.Nos	**Audio sockets**
		IXLR 3-pin - 2 modules Provides the stereo link for microphone, amplifier, mixing console, etc. Recommended microphone cable: 1 audio pair 0.22 mm² shielded Recommended enclosure cable: 1 audio pair 1.5 mm² (can take 2.5 mm²) Max. cable length: 50 m
10	0 787 55	○ White - Fast screw connection female
10	0 792 55	● Alu - Fast screw connection female
10	0 787 56	○ White - Fast screw connection male
		4-pole Speakon - 2 modules ○ White - used to connect power enclosures Recommended cable: 1 audio pair 2.5 mm² Max. cable length: 50 m (without amplifier)
10	0 787 60	
		Loudspeakers sockets Terminal 4 mm²
10	0 787 51	○ White - 2 modules
10	0 787 50	○ White - 1 module
10	0 792 50	● Alu - 1 module
		100 V Line Volume Attenuators - 2 modules Allow to adjust power and volume of a 100 V loudspeaker line
10	0 787 75	○ White - 100 V - 12 W
10	0 787 76	○ White - 100 V - 25 W

Legrand cabling system LCS²
19" LCS² wall-mounting cabinets and accessories

0 462 01

0 462 11

Pivoting cabinet 0 462 11

0 465 01

Technical characteristics p. 105

IP 20 - IK 08
With reversible curved print screen glass safety door
Pivoting side panels, tool-free removal from inside
Lock closure with key 2433 A
Equipped with 2 x 19" uprights with depth adjusting aid
Supplied with earthing kit
Top and bottom perforations for natural ventilation, capable of taking a fan in the top part
Charcoal grey RAL 7016

Fixed 19" LCS² cabinets

Easy cable management: ability to fix cable management rings Cat.Nos 0 465 41/42 and cable ties (p. 98)
DLP format cable entries at the top and bottom, bendable, with ability to attach cables using cable ties
Rear pre-cut cable entries

400 mm depth cabinet

Pack	Cat.Nos	Capacity	Width (mm)	Height (mm)	Load capacity (kg)
1	0 462 00	6 U	600	350	18
1	0 462 01	9 U	600	500	27
1	0 462 02	12 U	600	600	36
1	0 462 03	16 U	600	800	48

580 mm depth cabinet

Pack	Cat.Nos	Capacity	Width (mm)	Height (mm)	Load capacity (kg)
1	0 462 06	9 U	600	500	27
1	0 462 07	12 U	600	600	36
1	0 462 08	16 U	600	800	48
1	0 462 09	21 U	600	1000	63

Pivoting 19" LCS² cabinets

Cabinets composed of:
- base (wall-fixing)
- pivoting body allowing free access to the rear of the cabinet to facilitate installation and maintenance
Reversible pivoting direction
Plain cable entry plate at top and bottom, a brush plate can be fitted Cat.No 0 462 55

600 mm depth cabinet

Pack	Cat.Nos	Capacity	Width (mm)	Height (mm)	Load capacity (kg)
1	0 462 11	9 U	600	500	27
1	0 462 12	12 U	600	600	36
1	0 462 13	16 U	600	800	48
1	0 462 14	21 U	600	1000	63

Fixed shelves

Quick fixing without screws
Max. load 15 kg
Black RAL 9005

Fixing on 2 x 19" uprights

Pack	Cat.Nos	
1	0 465 00	Depth 115 mm For cabinets depth 400, 580 and 600 mm
1	0 465 01	Depth 200 mm For cabinets depth 400, 580 and 600 mm
1	0 465 02	Depth 360 mm For cabinets depth 580 and 600 mm

Thermal management

Fan
2.5 m power supply cable

Pack	Cat.Nos	
1	0 462 60	230 V~ fan

Thermostat

1	0 348 48	Adjustable from 5 to 60 °C, 230 V~, 50/60 Hz NO contact (10A) and NC contact (5 A) Fixed by magnet

Cable entry

1	0 462 55	Cable entry plate with brush For pivoting cabinets

Cable management rings

Direct clipping on front structural uprights of 9 U to 21 U fixed cabinets (Cat.No 0 465 41 only) and on central upright of 580 mm depth cabinets

4	0 465 41	1 U, plastic. Useable section 1890 mm²
4	0 465 42	2 U, plastic. Useable section 4070 mm²

Accessory

1	0 462 64	Set of 4 caster wheels for assembly on pivoting cabinets Total load permissible on the 4 casters: 120 kg

Legrand cabling system LCS²
10" LCS² cabinet for small business

19'' Linkeo wall-mounting cabinets

Available in flat pack

0 335 92

0 462 23

0 462 24

0 462 20

0 462 42

0 462 70

Technical characteristics p. 105

Technical characteristics p. 107

IP 20 - IK 08
Wall-mounting cabinets with reversible flat glass safety door with integrated lock
Simple wall fixing in 2 steps: rear + cabinet
Supplied with 2 x 19" uprights adjustable in depth
Cable entry at top adjustable with foam seal
Rear and bottom cable entries equipped with blanking plates
Top perforations for natural ventilation capable of taking the fan kit Cat.No 0 462 70
Supplied with earthing kit
Cabinets compatible with fixed 19" LCS² cabinet equipment (except cable management rings)
Grey RAL 7035

10" LCS² cabinet

300 mm depth cabinet
IP 20 - IK 08
Compact cabinet suitable for small business applications up to 36 RJ 45 sockets
Equipped with:
- 1 reservible curved print screen door made of safety glass
- 2 side panels removable from inside
- key locking No 2433A
- 2 depth-adjustable uprights
- DLP format cable entries at the top and bottom, bendable, with ability to attach cables using cable ties
- pre-cut back cable entry
- top and bottom perforations for natural ventilation
Charcoal grey RAL 7016

Pack	Cat.Nos	Capacity	Width (mm)	Height (mm)	Load capacity (kg)
1	0 462 20	6 U	314	352	12

Fixed 19" Linkeo cabinets

Pack	Cat.Nos		Capacity	Height (mm)	Width (mm)	Depth (mm)	Net weight (kg)	Load capacity (kg)
	Mounted pack	Flat pack						
1	0 462 30	0 462 35	6 U	367	600	400	18	18
1	0 462 31	0 462 36	9 U	500	600	400	20	27
1	0 462 42	0 462 47	12 U	625	600	600	30	36
1	0 462 43	0 462 48	16 U	810	600	600	36	48

10" equipment

Supplied with screws

Modular empty panel
10" panel - 1 U
For up to 2 connector units or 2 fibre optic units (p. 74)

Fixed shelf 1 U
Depth 120 mm
max. load. 10 kg
Black RAL 9005

230 V~ power supply units - 2 U
4 x 2P+E black sockets
French standard
4 x 2P+E black sockets
German standard
To be equipped with Mosaic 2P+E sockets
Capacity: 8 modules

Pack	Cat.Nos	
1	0 335 92	
1	0 462 23	
1	0 462 24	
1	0 462 26	
1	0 462 25	

Linkeo fan kit

Kit contains:
- 2 fans
- 1 thermostat
- ON/OFF switch
Supplied with 2.3 m cable
Power supply 230 V~ - 50/60 Hz

Pack	Cat.Nos
1	0 462 70

Legrand cabling system LCS²
19'' LCS² equipment

0 465 22

0 465 23

0 465 32

0 465 38
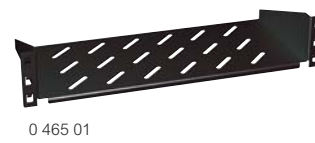
0 465 01

0 465 09

Technical characteristics p. 111

Pack	Cat.Nos	**19" management panels**
		For organisation and circulation of patch cords Black RAL 9005 **Metal, 2 axes, quick-fixing** Horizontal and front-to-back with round shaded plastic rings for optimum protection of patch cords (respecting the bending radius) Screw-free mounting
1	0 465 22¹	1 U
1	0 465 23¹	2 U
		Plastic with brushes, direct clipping
1	0 465 28²	1 U
1	0 465 29²	2 U
		Metal with brushes, quick-fixing Screw-free mounting
1	0 465 30¹	1 U
1	0 465 31¹	2 U

Pack	Cat.Nos	**19" blanking plates**
		Black RAL 9005 **Plastic, direct clipping**
1	0 465 32²	1 U
1	0 465 33²	2 U
		Metal, quick-fixing Screw-free mounting
1	0 465 38¹	1 U
1	0 465 39¹	2 U
1	0 465 40¹	3 U

Pack	Cat.Nos	**Fixed shelves**
		For LCS² freestanding cabinets (except for server freestanding cabinets), bati-rack and 19''Altis cabinets Quick screw-free mounting Black RAL 9005 **Fixing on 2 x 19" uprights** Height 2 U Max. load 15 kg
1	0 465 00	Depth 115 mm
1	0 465 01	Depth 200 mm
1	0 465 02	Depth 360 mm
		Fixing on 4 x 19" uprights Height 1 U Max. load 50 kg
1	0 465 05	Shelf depth 450 mm For depth 600 mm
1	0 465 06	Shelf depth 650 mm For depth 800 mm
1	0 465 07	Shelf depth 850 mm For depth 1000 mm

Pack	Cat.Nos	**Telescopic shelves**
		For LCS² freestanding cabinets (except for server freestanding cabinets), bati-rack and 19''Altis cabinets Quick fixing on 4 x 19" uprights Height 1 U Max. load 50 kg Black RAL 9005
1	0 465 08	Shelf depth 450 mm For depth 600 mm
1	0 465 09	Shelf depth 650 mm For depth 800 mm
1	0 465 10	Shelf depth 650 mm For depth 1000 mm

Pack	Cat.Nos	**Heavy load shelves**
		Max. load 100 kg Screw-fixing on 4 x 19" uprights Black RAL 9005
1	0 465 17	Fixed shelf depth 820 mm, 1 U For freestanding cabinets depth 1000 mm and server freestanding cabinets
1	0 465 18	Telescopic shelf depth 820 mm, 2 U For server freestanding cabinets

Pack	Cat.Nos	**Set of 2 fixed sliders**
		For LCS² freestanding cabinets (except for server freestanding cabinets)and 19''Altis cabinets Fixing on 4 x 19" uprights Max. load: 50 kg
1	0 465 11	For depth 600 mm
1	0 465 12	For depth 800 mm
1	0 465 13	For depth 1000 mm

Pack	Cat.Nos	**Keyboard shelf**
1	0 465 19	For freestanding cabinets, server freestanding cabinets, bati-rack and 19''Altis cabinets Screw-fixing on 4 x 19" uprights For depth 800 and 1000 mm Max. load 50 kg Black RAL 9005 Accommodates: - a computer screen - a keypad on the retractable support - a mouse on a sliding shelf with integrated mat Area for mouse or CD. Black RAL 9005

Pack	Cat.Nos	**Fixing accessories**
		Set of 50 cage nuts, 50 plastic washers and 50 x M6 screws
1	0 364 53	With 8.5 mm cage nuts
1	0 364 54	With 9.5 mm cage nuts

1: Can be mounted on 19" HD racks with screw Cat.No 0 464 23 (p. 761)
2: Can not be mounted on 19" HD racks

energy distribution
LCS² Power Distribution Units (PDU) 230 V∿ and DIN rail kit

0 465 60

0 465 45

0 465 88

0 465 65

For other PDU configurations, please contact us

Technical characteristics p. 108

Vertical Power Distribution Units (PDU)

PDU with protection of each circuit by 16 A circuit breaker (equipped with cover for protection against accidental breaks)
For direct mounting in LCS² 42 U freestanding cabinets and server freestanding cabinets
Fixing centres: 1838 mm
H 1855 x W 55 x D 50 mm
Supplied with screws

Single phase
PDU comprising 2 circuits with 12 sockets or 12 IEC 60320 C13 sockets + 3 IEC 60320 C19 sockets
Each circuit is identified by colour-coding

Pack	Cat.Nos	
1	0 465 81¹	24 x C13 sockets
1	0 465 84¹	24 x C13 sockets + 6 x C19 sockets
		3 m power supply cord with IEC 60309 2P+E plug
1	0 465 80¹	24 x 2P+E sockets - French standard
1	0 465 88¹	24 x 2P+E sockets - German standard
1	0 465 89¹	24 x 2P+E sockets - British standard

3-phase
PDU comprising 3 circuits with 8 IEC 60320 C13 sockets + 1 IEC 60320 C19 socket

Pack	Cat.Nos	
1	0 465 85¹	24 x C13 sockets + 3 x C19 sockets
		3 m power supply cord with IEC 60309 3P+N+E plug

19" Power Distribution Units (PDU)

For fixing on 19" fixing centres
180° reversible end piece
Connection via 2.5 mm² terminal block
Provide a 2 U space
Supplied with screws

Pack	Cat.Nos	
		PDU
1	0 465 51¹	12 x IEC 60320 C13 sockets
1	0 465 52¹	9 x IEC 60320 C19 sockets
1	0 465 50¹	9 x 2P+E black sockets French standard
1	0 465 54¹	6 x 2P+E black sockets - French standard
1	0 332 88¹	6 x 2P+E white sockets - French standard With switch with indicator
1	0 332 37¹	6 x 2P+E white sockets - French standard With 16 A circuit breaker
1	0 332 87¹	6 x 2P+E tamperproof sockets for uninterruptible power supply (UPS) - French standard
1	0 465 60¹	9 x 2P+E black sockets German standard
1	0 465 62¹	6 x 2P+E black sockets German standard
1	0 332 38¹	6 x 2P+E white sockets German standard - With 16 A circuit breaker
1	0 465 65¹	6 x 2P+E black sockets - British standard
1	6 339 00¹	5 x 2P+E white switch sockets - British standard
		PDU with voltage surge protector unit
1	0 332 78¹	6 x 2P+E white sockets - French standard Provides protection against mains overvoltages while keeping sockets energised A red indicator indicates that the protection must be replaced by the surge protector module Cat.No 0 775 41 (see general catalogue) With switch with indicator
		PDU to be equipped
1	0 332 79¹	Takes 16 Mosaic modules

DIN rail kit IP 2X

Pack	Cat.Nos	
1	0 465 45¹	For modular appliances Fits directly onto 19" uprights Compatible with EMC requirements Capable of taking up to 7 x Mosaic 2P+E sockets at the rear Composed of: - metal box - 3 x DIN profile rails 4 DIN modules - terminal block for protection conductors - a 2 U faceplate - 3 blanking plates - 9 cable entry glands Height 2 U Black RAL 9005

1: Can be mounted on 19" HD racks with screw Cat.No 0 464 23 (p. 100)

legrand

Legrand cabling system LCS²
19" LCS² freestanding cabinets

0 463 18

1 cabinet 0 463 18 + 0 463 34
+ 1 extension cabinet 0 463 30

Technical characteristics p. 109

IP 20 - IK 08
Baying cabinets with reversible curved front door made of screen-printed safety glass. Side and rear removable panels
Panels with automatic equipotential connection
Lock with 2433 A key for locking of the 4 sides
Top and bottom cable entries (19" cut-out format), receive 19" plates with brushes, fans, etc.
Equipped with 4 x 19" uprights with U marking and depth adjusting aid
Levelling feet adjustable from the inside
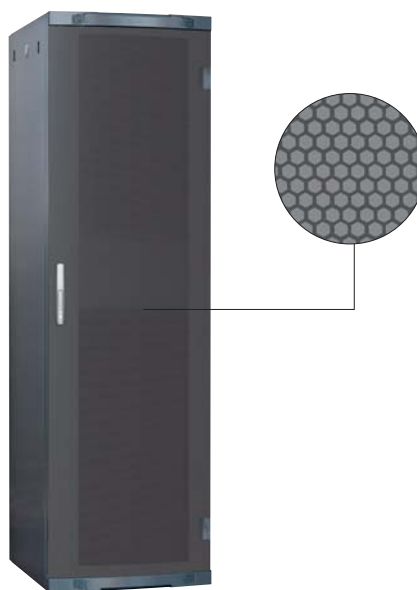Cabinets can be dismantled completely where access is difficult
Charcoal grey RAL 7016

19" LCS² cabinets

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)	Load capacity (kg)
1	0 463 00	24 U	1226	600	600	240
1	0 463 06	29 U	1448	600	600	290
1	0 463 12	33 U	1626	600	600	330
1	0 463 18	42 U	2026	600	600	420
1	0 463 19	42 U	2026	600	800	420
1	0 463 21	42 U	2026	800	600	420
1	0 463 22	42 U	2026	800	800	420
1	0 463 23	42 U	2026	800	1000	420
1	0 463 28	47 U	2248	800	800	470
1	0 463 29	47 U	2248	800	1000	470

19" LCS² extension cabinets

No side panels
Supplied with joining kit

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)	Load capacity (kg)
1	0 463 30	42 U	2026	600	600	420
1	0 463 33	42 U	2026	800	800	420

LCS² baying kits

For direct linking 2 LCS² cabinets
For cabinets depth (mm):

1	0 463 37	600
1	0 463 38	800
1	0 463 39	1000

LCS² cabling units

Can be attached between 2 LCS² 42 U cabinets
Easier cable and patch cord management
Width 250 mm
Supplied with earthing kit
Charcoal grey RAL 7016
For cabinets depth (mm):

1	0 463 34	600
1	0 463 35	800

Legrand cabling system LCS²
19" LCS² server freestanding cabinets

0 463 85

Technical characteristics p. 109

IP 20 - IK 08
Baying cabinets with front and rear metal microperforated door (80 %), reversible, can be opened without key
Front door can be fitted with a DIN European cylinder (30 + 10 mm) with option of fitting a handle Cat.Nos 0 347 71/72
Rear door can be fitted with a key barrel Cat.Nos 0 368 22/23/24/25/26/27 (see general catalogue)
Removable side panels
Top cable entries in 19" cut-out format, capable of taking 19" plates with brushes, fans, etc.
Open bottom cable entry
Equipped with 4 x 19" uprights with adjusting aid
Levelling feet adjustable from the inside
Cabinets can be dismantled completely where access is difficult
Supplied with earthing kit
Charcoal grey RAL 7016

19" LCS² server cabinets

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)	Load capacity (kg)
1	0 463 85	42 U	2026	600	1000	630
1	0 463 86	42 U	2026	800	1000	630

LCS² baying kit

For direct linking 2 LCS² server cabinets
For cabinet depth (mm):

1	0 463 39	1000

Equipment

Cable trays supports
Fast screw-free assembly of cable trays (p. 98)
For width 600/800 mm
Fitted between 2 supports
Cat.No 0 464 79
For depth 1000 mm
Pre-cut every 100 mm for
height 500 to 200 mm

1	0 464 78	
1	0 464 79	

Set of 4 caster wheels
Set of 4 pivoting wheels (2 with brake) for server cabinet
Load on the 4 wheels: 500 kg

1	0 464 82	
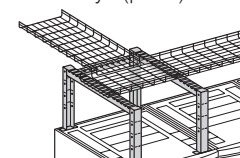
Legrand cabling system LCS² freestanding cabinets plinths
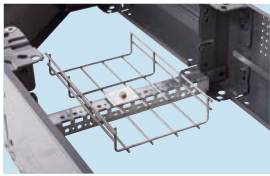
0 464 61

0 464 63

Cross bar 0 476 93
with cable guide

Kit 0 464 52 consisting of 4 corner blocks and solid traps at front/rear

0 464 66

🔍 Technical characteristics p. 110

Pack	Cat.Nos	
		Cabinet plinths
		Metal
		Open on 4 sides
		Charcoal grey RAL 7016
		Plinth kits
		Consisting of height 100 mm plain traps at front / rear and 4 corner blocks
		Side traps to be ordered separately
	Height 100 | Height 200	For cabinet width (mm):
1	0 464 50 | 0 464 52	600
1	0 464 51 | 0 464 53	800
		Sets of 2 plain side traps
		Traps height 100 mm
		Order 2 sets for a plinth height of 200 mm (Cat.Nos 0 464 52/53)
		For cabinet depth (mm):
1	0 464 54	600
1	0 464 56	800
1	0 464 58	1000
		Ventilated traps
		1 trap height 100 mm
		For cabinet width/depth (mm):
1	0 464 60	600
1	0 464 61	800
		Traps with brush
		1 trap height 100 mm
		For cabinet width/depth (mm):
1	0 464 62	600
1	0 464 63	800
		Plinth for cabling units
1	0 464 64	Assembled between the plinths of associated cabinets
		Trap height 100 mm. Double the number of traps for a height of 200 mm
		Charcoal grey RAL 7016
		Cross bar
		Fixed between 2 corner blocks of the plinth
		For fixing cable trays crossing 2 associated cabinets
		For cabinet depth (mm):
1	0 476 93	600
1	0 476 94	800
1	0 476 95	1000
		Linking interface
		Protection allowing cabinet plinth and cable duct to be linked
		Supplied with weatherproof brush
		Reversible cover with cut-outs ensuring a high-quality finish
		Height 200 mm
		Charcoal grey RAL 7016
1	0 464 66	For cabinet depth 600 mm

Legrand cabling system LCS² cable entries and thermal management for freestanding cabinets

0 465 29

0 465 31

0 464 87

🔍 Technical characteristics p. 111

Pack	Cat.Nos	
		19'' cable entry plates
		Black RAL 9005
		Plastic with brushes, direct clipping
1	0 465 28	1 U
1	0 465 29	2 U
		Metal with brushes
1	0 465 30	1 U
1	0 465 31	2 U
		Thermal management
		3 U plates with fans
		Fixed to the cabinet 19" cable entries
		2.5 m supply cable
		Charcoal grey RAL 7016
1	0 464 87	2 x 230 V⏦ fans
1	0 464 88	3 x 230 V⏦ fans
		1 U ventilation drawers
		For circulation of internal air
		Fit onto 2 x 19" uprights
		On/off switch
		Supplied with supply cable
1	0 464 89	Drawer with 2 x 230 V ⏦ fans - depth 150 mm
1	0 464 90	Drawer with 4 x 230 V ⏦ fans - depth 300 mm
		Thermostat
1	0 348 48	Adjustable from 5 to 60 °C, 230 V⏦, 50/60 Hz
		NO contact (10 A) and NC contact (5 A)
		Fixed by magnet
		19'' lighting kit
1	0 464 85	19'' metal panel equipped with a lighting kit with switch
		Supplied with 230 V⏦
		8 W fluorescent tube - 1 U
		Accessories
1	0 464 84	Anti-tilt kit
		Stabilises the cabinet when extracting heavy products installed on telescopic equipment
1	0 464 86	Floor fixing kit
		Enables a cabinet to be fixed permanently into the ground by blocking levelling feet
1	0 464 83	Set of 4 pivoting caster wheels
		Maximum permissible load on the 4 casters: 380 kg

Legrand cabling system LCS² freestanding cabinets cable management

cable ties
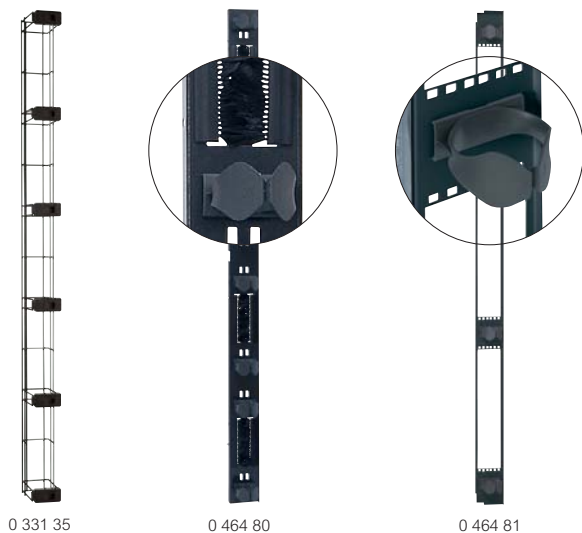
0 331 35

0 464 80

0 464 81

0 331 94

0 331 95

0 331 96

0 331 85

0 331 87

0 320 68

Cable and patch cord management

Pack	Cat.Nos	
		Set of 3 cable management supports
		Fixing on structure
		Fast assembly of cable trays without screws
1	0 464 72	For cabinet width/depth 600 mm
1	0 464 73	For cabinet width/depth 800 mm
1	0 464 74	For cabinet depth 1000 mm
		Flat cable trays
		Fast mounting on the cable management
		supports without screws
		250 mm width
1	0 464 76	For 33 U cabinets
1	0 464 77	For 42 U cabinets
		Cable trays
		For ducting cables. Can be fixed in height 200 mm
		plinth with Cat.Nos 0 476 93/94/95 and
		on top of server cabinet with
		Cat.Nos 0 464 78/79
1	0 464 69	3000 x 200 x 54 mm
1	0 464 70	3000 x 400 x 54 mm
		Vertical cable management grid
		For 42 U cabinets, width 800 mm
		Fits onto 19" uprights
1	0 331 35¹	Grid with articulated bolts
		Dimensions: 1560 x 100 x 150 mm
		Vertical cable manager
		For 42 U cabinets, width 800 mm
		Fits onto 19" uprights
1	0 464 80¹	Set of 2 vertical panels with brush feedthrough
		Supplied with 10 cable management rings
		Cat.No 0 465 42, 3 cable ties Cat.No 0 331 94,
		3 cable ties Cat.No 0 331 95 and 3 cable ties
		Cat.No 0 331 96
		Black RAL 9005

Vertical extension

Pack	Cat.Nos	
1	0 464 81	For 42 U cabinets, width 800 mm
		Fits onto 19" uprights
		Set of 2 vertical trim plates to increase the capacity
		with 12 U
		To install 19" panels, DIN rail kit, Power Distribution
		Units (PDU), etc.
		Supplied with 8 cable management rings 2 U
		Cat.No 0 465 42
		Black RAL 9005

For grouping together and organising audio, computer, VDI, etc., cables
Re-usable (cables can be added)

Cable ties with tightening indicator

Wide cable ties with patented
warning system to prevent
overtightening cables
Release by pinching the head of the cable tie
Strap held in place after tightening

Pack	Cat.Nos	Width (mm)	Length (mm)	Tightening Ø max.	Tightening Ø min.
50	0 331 94	15	180	35	15
50	0 331 95	15	225	50	35
50	0 331 96	15	320	80	50

Self-locking cable ties

Repositionable cable ties
Double-sided textile with "loops" on one side and
"hooks" on the other
Do not damage cables
Can be fixed using screws or rivets
Cat.Nos 0 366 44/46 (see general catalogue)

Pack	Cat.Nos	Colour	Width (mm)	Length (mm)	Tightening Ø max. (mm)
10	0 331 84	Black	16	150	35
10	0 331 85	Red	16	150	35
10	0 331 86	Green	16	150	35
10	0 331 87	Black	16	300	80
10	0 331 88	Red	16	300	80
10	0 331 89	Green	16	300	80

Self adhesive base

Pack	Cat.Nos	
50	0 320 68	For cable ties max. width 20 mm
		Black - 38 x 38 x 9.4 mm
		Possible central fixing with screw Ø4 mm

1: Can be mounted in Altis 19'' cabinets, 800 mm depth (p. 99)

19" Altis™ freestanding cabinets
IP 55 - IK 10

0 473 62 + 0 472 72 + 0 482 20

0 473 63 equipped

19" 42 U Altis cabinets

Cabinets with framed glass door

Protection against dust, water, knocks in demanding environments - IP55 - IK10
For loads up to 720 kg on 4 uprights
Reversible door with toughened glass window
4-point locking with double bar (Cat.No 0 347 XX)
Removable rear panel
Cable entries at bottom plates (Cat.No 0 481 XX)
Can be equipped with plinth (Cat.No 0 476 XX)
19" uprights and side panels to be ordered separately
Compatible with 19" LCS² equipment (p. 94)
Cat.Nos 0 331 35 and 0 464 80 can be mounted in width 800 mm cabinets (p. 98)
Grey RAL 7035

Pack	Cat.Nos	Dimensions			Window dim.		Weight (kg)
		Height (mm)	Width (mm)	Depth (mm)	Height (mm)	Width (mm)	
1	0 473 62	2000	600	600	1775	375	91.7
1	0 473 63	2000	800	600	1775	575	110.4
1	0 473 91	2000	600	800	1775	375	95.2
1	0 473 92	2000	800	800	1775	575	114.6

Set of 2 side panels

Pack	Cat.Nos	For cabinets	
		Height (mm)	Depth (mm)
1	0 472 72	2000	600
1	0 472 75	2000	800

19" uprights

| 1 | 0 482 20 | Set of 2 42 U uprights (perforations 9.5 x 9.5 mm) |

Supplied with mounting lugs and screws
Mounting in cabinets possible width 600 or 800 mm

Interior assembly kit - IP 55 for a 1000 kg/m³ load

| 1 | 0 476 83 | Set consisting of |

- 4 brackets
- 2 joining feet
- 1 gasket

M 14 lifting rings

| 1 | 0 476 96 | Set of 4 rings |

For a load of 1000 kg/m³

Legrand cabling system LCS²
Linkeo 19" LCS² enclosures
enclosures and cabling units

0 463 58 + additional 19" uprights Cat.No 0 463 73

IP 20 - IK 08 Enclosures with reversible front door made of screen-printed safety glass. Removable side and rear panels
Panels with automatic equipotential link 2433 A key for locking of the 4 sides
Levelling feet adjustable from the inside
2 top and bottom cable inlets, 19" cut-out format, capable of taking 19" plates with brushes, fans, etc.
Supplied with 2 x 19" uprights with marking of the U and depth adjustment. Option of cable and patch cord management in cabling unit Cat.Nos 463 75/76
Enclosures can be dismantled completely where access is difficult
Enclosures can be linked with kit Cat.Nos 463 78/79
Grey RAL 7035

Linkeo 19" LCS² enclosures

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)	Permissible load (kg)
1	0 463 52	33 U	1626	600	600	330
1	0 463 58	42 U	2026	600	600	420
1	0 463 59	42 U	2026	600	800	420
1	0 463 60	42 U	2026	800	600	420
1	0 463 61	42 U	2026	800	800	420

Linkeo 19" LCS² extension enclosures

No side panels
Supplied with joining kit

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)	Permissible load (kg)
1	0 463 81	42 U	2026	600	600	420
1	0 463 84	42 U	2026	800	800	420

Linkeo LCS² cabling units

Can be attached to Linkeo LCS² 42 U enclosures
Easier cable and patch cord management
Width 250 mm
Grey RAL 7035
For enclosure depth (mm):

| 1 | 0 463 75 | 600 |
| 1 | 0 463 76 | 800 |

Linkeo LCS² joining kits

For linking 2 Linkeo LCS² enclosures
For enclosure depth (mm):

| 1 | 0 463 78 | 600 |
| 1 | 0 463 79 | 800 |

Linkeo 19" LCS² uprights

Set of 2 additional 19" uprights

| 1 | 0 463 72 | 33 U |
| 1 | 0 463 73 | 42 U |

Legrand cabling system LCS^2
19" HD (High Density) racks

19" screw fixing in tapped holes
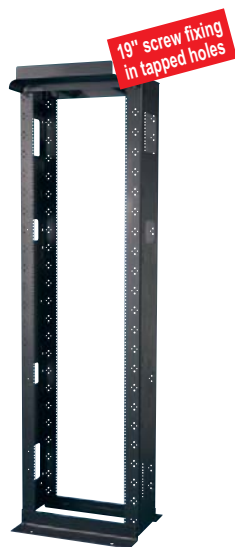
0 464 06   0 464 25   0 464 27

Technical characteristics **p. 112**

19" HD racks

Racks for high-density cabling (e.g. data centers, SANs, main distributors, etc.)
Channel type 19" uprights for guiding and fixing cables, with U marking and tapped holes for fixing 19" equipment
Roofing for right-left cord routing that complies with the bending radiuses
Receive 19" LCS^2 metal feedthrough panels, power supply units and the DIN rail kit fastened by screws Cat.No 0 464 23 (1 set of 50 supplied with the rack)
Supplied with straps with hook and loop type closure
Aluminium structure to be assembled
Racks joined using grids Cat.Nos 0 464 25/26/27
Black

Pack	Cat.Nos	Capacity	Height (mm)	Width (mm)	Depth (mm)	Permissible load (kg)	Depth of uprights (mm)
1	0 464 06	45 U	2185	604	521	675	267
1	0 464 07	45 U	2185	604	667	675	413

Cord management grid

To be mounted between 2 joined racks or on an isolated rack
The grid creates a 63 mm space between 2 joined racks for running cables and cords to the front and rear
Capacity: 200 cat. 6 cords
Black

Pack	Cat.Nos	
1	0 464 25	Grid with hinged closing latches 1965 mm x 153 mm x 156 mm

Cord management grids with door

Easily removable door that opens in both directions
To be mounted between 2 joined racks or on an isolated rack (Cat.No 0 464 26 only)
The grids create a space between 2 joined racks (63 mm for Cat.No 0 464 26, 165 mm for Cat.No 0 464 27) for running of cables and cords to the front and rear
Side cord channels every 1 U
Capacity: 200 cat. 6 cords for Cat.No 0 464 26, 580 cords for Cat.No 0 464 27
Supplied with 12 bend limiting clips and 4 coiling supports
Black

Pack	Cat.Nos	
1	0 464 26	1970 mm x 165 mm x 204 mm
1	0 464 27	1970 mm x 267 mm x 331 mm

Cable tray supports

To be fitted in the depth of the rack to support a high cable tray (cable trays Cat. No 0 464 69/70 p. 98)

Pack	Cat.Nos	
1	0 464 18	For rack Cat.No 0 464 06
1	0 464 19	For rack Cat.No 0 464 07
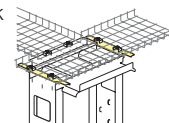
Lower finishing plates

Metal plates provide the finishing of the lower part of the rack and protection against dust
The sides of the plates can be folded easily for direct insertion of cables in the 19" upright channel

Pack	Cat.Nos	
1	0 464 15	For rack Cat.No 0 464 06
1	0 464 16	For rack Cat.No 0 464 07

19" cord management panels

1 axis closed panels with pivoting cover
Depth 172 mm
Black

Pack	Cat.Nos	
1	0 465 70	1 U
1	0 465 71	2 U
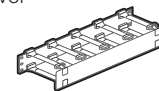
19" equipment screws

Pack	Cat.Nos	
1	0 464 23	Set of 50 special screws for 19" HD racks and 25 earthing claws

19" bati-rack and accessories

wall-mounting rack for weatherproof cabinets

0 463 96 + 2 x 0 463 97   0 463 97

0 329 46

0 329 47

0 462 28   0 465 00

🔍 Technical characteristics p. 113

🔍 Technical characteristics p. 113

19" Bati-rack

For housing 19" equipment in an air conditioned, secure, dust-free environment
Comprises 2 or 4 x 19" uprights
With levelling feet
Compatible with 19" LCS[2] equipment
The 4-upright bati-rack takes shelves for depth 800 mm
Cable management rings Cat.No 0 465 41 (p. 92) can be fitted on the outside of the 19" uprights
Supplied ready for assembly
RAL 7035

Pack	Cat.Nos	Capacity	Height[(1)] (mm)	Width (mm)	Depth (mm)	Permissible load (kg)	Number of uprights
1	0 463 95	42 U	1956	540	640	300	2
1	0 463 96	42 U	1956	540	820	300	4

Cable management sleeve

Vertical feedthrough with reversible door
For fixing on the right or left of the 19" uprights
RAL 7035

Pack	Cat.Nos	
1	0 463 97	Sleeve

Accessories

Roof
Roof for 4-upright bati-rack
535 x 600 mm

Set of 4 casters
For bati-rack

Pack	Cat.Nos	
1	0 464 98	
1	0 464 99	

Wall-mounting VDI rack for Atlantic and Marina cabinets

For integrating 19" VDI equipment in Atlantic cabinets (Cat.Nos 0 355 xx) and Marina cabinets, width 600 or 800 mm and depth 250 mm min.
In cabinets width 400 mm, the rack enables 10" VDI equipment to be incorporated (p. 93)
Can be fixed directly on the wall to create a wall-mounted rack (without cabinet)
Self-locking cable ties and cable ties with tightening indicator (p. 98) can be fitted

Pack	Cat.Nos	
1	0 462 27	6 U rack
1	0 462 28	12 U rack
1	0 462 29	16 U rack

Cable entry for Atlantic cabinets width 600 or 800 mm and 19" equipment

Cable entry

Pack	Cat.Nos	
1	0 329 46	IP 43 cable entry plate with brush (cable feedthrough 385 x 30 mm)
1	0 329 47	IP 55 cable entry plate with multi-entry cable glands

Supplied with 12 ISO 32 cable glands
Each cable gland allows the insertion of 4 UTP/FTP/SFTP cables (Ø6.5 to 9.5 mm)
Cords with connectors can be fed through without having to dismantle the cable gland
Supplied with blanking plates for unused entries

Fixed shelf
Projecting mounting on 2 x 19" uprights
Fast screw-free assembly
Max. load 15 kg
Height 2 U
Black RAL 9005
Depth 115 mm

Pack	Cat.Nos	
1	0 465 00	

1: Without levelling feet (+ 28 to 34 mm with feet)

customised 19" LCS² cabinets

19" LCS² WALL-MOUNTING CABINETS

Cable entry plate with brushes[1]

Thermal management (fan, thermostat)

No side panels

Other colour, RAL 180

Fixed or pivoting

Solid metal door, opening to the left, no door

Earthing wire

Other key codes

Fixed shelves, modular patch panel 1 U and feedthrough, blanking plates, DIN rail kit IP2X, fibre optic drawer to be equipped

19" PDU

(1) Pivoting cabinets

19" LCS² FREESTANDING CABINETS

30 SIZES

Capacity	24 U	29 U	33 U	42 U	47 U
Width			600 or 800 mm		
Depth			600, 800 or 1 000 mm		

CABINET DEFINITION

Thermal management: plate with 230 V fans, thermostat

Lighting kit[1]

Rear door

Other key codes

Server cabinet

No panels

19" cable entries: metal or plastic

Plinth, ventilation/ brush trap

Earthing wire/braid

Anti-tilt kit[1] or ground fixing kit[1]

Wiring management: vertical brush panels, patch extension, supports, grid

1: Supplied ready for assembly

19" LCS² FREESTANDING CABINETS (CONTINUED)

Option of solid or microperforated metal doors, screen-printed glass doors, double doors or no doors

Cabinet fitted with screen-printed glass double door at the front (42 U/47 U panels; width 800 mm)

Cabinet fitted with microperforated metal doors at the front and rear (opening to the left)

Cabinet fitted with microperforated metal double rear door and screen-printed glass front door

19" EQUIPMENT ASSEMBLY

Patch panel, 1 U, to be equipped

Feedthrough panels, metal or plastic

Fibre optic drawer, to be equipped

Ventilation drawer

Set of 2 fixed sliders

PDU

Rail kit DIN IP 2X

Blanking plates, metal or plastic

Shelves:
- fixed
- telescopic
- keyboard support

COLOURS

180 RAL colours available. Optional touch-up brush in the selected RAL

Legrand cabling system LCS²

■ Compliance of the LCS² systems with standards and certifications

LCS² systems and components (de-embedded) conform to the following standards:
- TIA/EIA 568C
- EN 50173-1 and EN 50173-2
- ISO/IEC 11801 version 2

The LCS² system supports 10G applications Base-T up to 100 m in a transmission channel Conforms with standards ISO/IEC 24750, TIA TSB 155 and IEEE 802.3 an
The E$_A$ link class of the LCS² system also conforms with amendment 1 (04/2008) of standard ISO 11801 and its components conform with amendment 2
LCS² systems are certified by expert independent laboratory 3P

PARTY TESTING THIRD 3P

■ Main characteristics of the LCS² systems

	LCS² 6$_A$		LCS² 6		LCS² 5e
Frequency	500 Mhz		250 MHz		100 Mhz
Speed	10 Gbit/s		1 Gbit/s		1 Gbit/s
Wiring	Copper	FO	Copper	FO	Copper
Connectors	RJ 45	SC-LC…	RJ 45	SC-LC…	RJ 45
Length cable max.	100 m	variable	100 m	variable	100 m

■ New names for LAN cables (according to ISO 11801-2)

They correspond to: "type of cable shield"/ "type of twisted pair shield"
TP monitoring (for twisted pairs)

Type of cable		Shield of the cable	Shield of pairs twisted
old name	new name		
SSTP	S/FTP	S: screen made up	F: screen formed a metal braid of a ribbon alumin/polyester
SFTP	SF/UTP	SF: combination of ribbon + braid	U: no screen
STP	U/FTP	U: no screen	F: screen formed of a ribbon alumin/polyester
FTP	F/UTP	F: screen formed of a ribbon alumin/polyester	U: no screen
UTP	U/UTP	U: no screen	U: no screen

Shielding of twisted pairs

Cable shielding
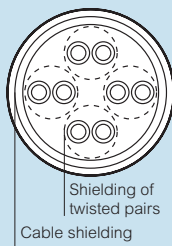
■ Area distribution boxes

Compliance with standards:
Area distribution box: TIA/EIA 568
　　　　　　　　　　　UTE C 15-900
　　　　　　　　　　　NF C 15-100 - NF C 20-730
　　　　　　　　　　　EN 50-174.2
　　　　　　　　　　　ISO 11801
　　　　　　　　　　　EN 50173
　　　　　　　　　　　IEC 60950

Cords and cables: ISO 11801 id.2.0, EN 50173-1, TIA/EIA 568

General characteristics:
- 6 or 12 incoming ports (depending on Cat.No)
RJ 45 wiring

- 4 to 8 or 12 outgoing ports (depending on Cat.No) maximum
Connection of mixed cords via RJ 45 connector
(RJ 45/stripped)

- UTP and FTP versions

- Cat. 5e and 6

- for computer applications; telephone, access control etc.

Technical characteristics:
- material: Polycarbonate PC hood
　　　　　　Polypropylene PP base

- colour: RAL 7035
- Weatherproofing protection index: IP 21
- Mechanical shock protection index: IK 07
- hold connector units in place in the box: 100 N
- Cables anchored on support using Colring cable ties

■ Fibre optic

■ New optical classes ISO 11801 2nd Ed.

Parameters of the optical link (ISO 11801/EN 50173)

Parameter	Multimode		Monomode	
	850 nm	1 300 nm	1 310 nm	1 550 nm
Fibre attenuation dB/km	3.5 max.	1.5 max.	1.0	1.0
Bandwidth MHz.km	200 min.	500 min.	n/a	n/a
Connector attenuation dB	0.75 max.	0.75 max.	0.75 max.	0.75 max.
Return loss dB	20 min.	20 min.	26 min.	26 min.

■ Typical layout of an optical link between 2 distribution blocks

Table 2
RJ 45 panel
RJ 45 sockets
Copper/optic fibre switch
Electrical signal
Optic fibre drawer
Copper/optic fibre convertor
Table 1
Optic fibre drawer
Optical signal
Copper/optic fibre switch
Copper/optic fibre convertor
RJ 45 panel
Electrical signal
RJ 45 sockets

— : Optical link
— : Copper link
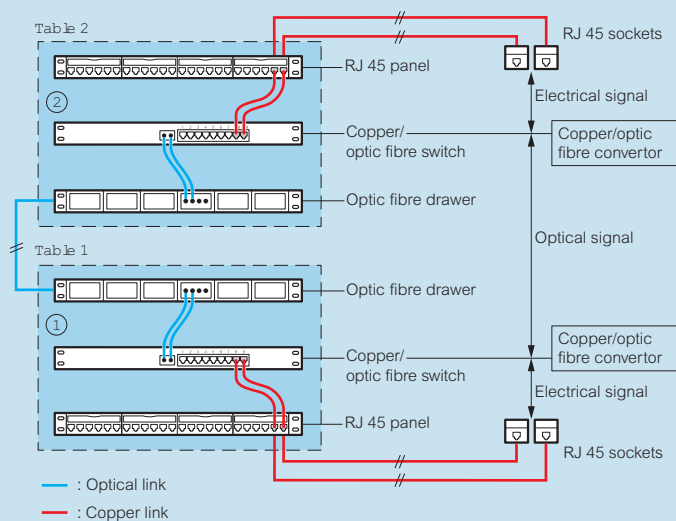
■ Speed ensured by distance

ISO 11801-2 optic classes

850/1300 nm bandwidth (Mhz/km)

200 / 500
500 / 500
1500 / 500

OM1 — 10 Gigabits max. 33 m
OM2 — 10 Gigabits max. 82 m
OM3 — 10 Gigabits max. 300 m
OS1 — 10 Gigabits max. 10 km
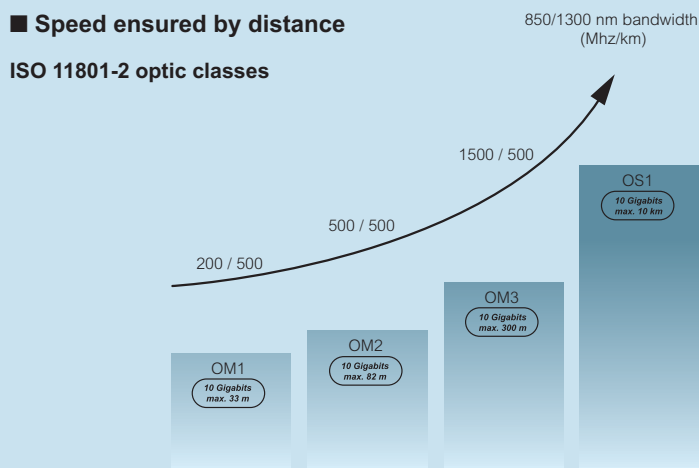
Protocols (length max.)	Multimode fibre			Monomode fibre
	OM 1	OM 2	OM 3	OS 1
10 Gb Ethernet (S/L base)	33 m	82 m	300 m	10 km
Ethernet Gb (LX base)	550 m	550 m	550 m	2 km
Ethernet Gb (SX base)	275 m	550 m	550 m	-
Fast Ethernet	2000 m	2000 m	2000 m	2 km
Ethernet 10 Mbps	2000 m	1514 m	1514 m	-
Desired perennity	> 10 years	10 to 15 years	> 15 years	> 15 years
Market trend	↘ ↘	→	↗ ↗	↗

Legrand cabling system LCS² (continued)

■ Flush-mounting Ethernet 10/100 base T switches

	779 00	779 01	779 20
Power supply	230 V	PoE	230 V
Speed	100 Mbps		
Standards	802.3 / 802.3u	802.3u 802.3 af	802.3 / 802.3u
Common technical characteristics	• Operating temperature: from 0°C to +40°C • Max. humidity level permissible: 95 % • Auto MDI-X (takes crossed and straight cords) • Orange LED: - on: speed of 100 Mbps - off: speed 10 Mbps • Green LED on traffic		
Additional characteristics			• SNMP V2C (RFC 1901-1908) • Support MIB II (RFC 1213) • IP addressing via DHC (according to RFC 2131) • Can be administered via WEB interface • Backup and updating of configuration files (Upload/download)

■ Mosaic Wi-Fi access points

An 802.11 a and b/g solution

	MOSAIC WiFi Access Point Cat. Nos 77913/14		LCS² Cat. Nos 335 21/22
Radio communication standard	802.11 b/g	802.11 a	802.11 b/g/n or 802.11 a/n
Power supply standard	Power over Ethernet 802.3 af		
Frequency band	2.4 GHz	5 GHz	2.4 GHz or 5 GHz
Channel width	20MHz	20MHz	40MHz or 20MHz
Max. gross speed	54 Mbps max	54 Mbps	300 Mbps

■ Installation principle for a Wi-Fi access point with Power over Ethernet injector

RJ 45 Connector

PoE injector

230 V

Switch

230 V
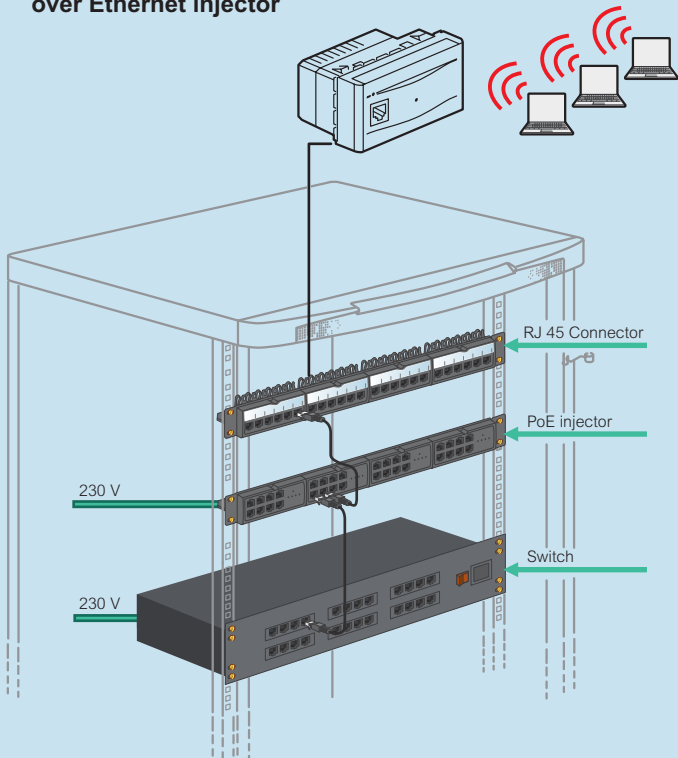
Particular case of the 1 port PoE: Clips directly onto a port on any patch panel
A single cord is necessary to connect it to a port on the switch

PoE injector

4 x RJ 45 connector unit
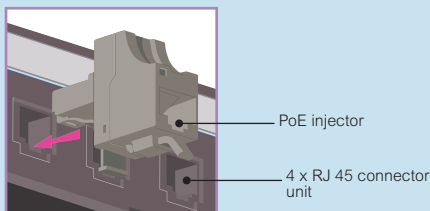
■ Benefits of a Legrand Wi-Fi access point

- Possibility of simultaneous operation on 2 frequencies, a and b/g
  New products: invited access: used to allocate a network dedicated to visitors
  Provides a max. gross speed of up to 2 x 54 Mbps in simultaneous mode
- Very high security level: WPA2 encryption (802.11i) and authentication (802.1x)
- Possibility of roaming (moving from one access point to another without breaking the link)
- Quality of service (priority automatically given to voice, then video and finally data)
- Easy to configure and make secure: using the CD supplied with the access point

■ Installation

In all supports able to take a Mosaic mechanism (trunking, columns, flush-mounting boxes, floor boxes, etc.)
Do not place access points behind anything that could limit the antenna's range
Access points are connected tool-free via an RJ 45 connector

■ Sizing

- Provide 1 access point for 1 localised requirement (in entrance hall)
- Provide 1 access point per 100 m² for overall coverage and a maximum gross speed
- Provide 1 access point with an RJ 45 socket for a desk used by visitors

■ Operation of PoE injector

A PoE injector has one input and one output per access point to be supplied

Incoming switch: data

Power supply 48 V

Outgoing cable to patch panel: Data + power supply

: Data
: Power

Pair 2
Pair 3   Pair 1   Pair 4
1 2 3 4 5 6 7 8
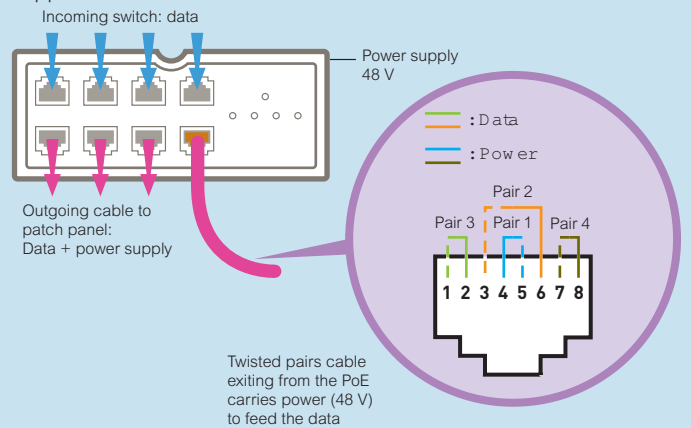
Twisted pairs cable exiting from the PoE carries power (48 V) to feed the data

Legrand cabling system LCS²
LCS² 19" and 10" wall–mounting cabinets

■ General characteristics

Metallic wall-mounting cabinets
RAL 7016 textured polyester coating providing excellent resistance to corrosion and scratching
Front safety glass door
Protection index (weatherproof) against solid objects and liquids: IP 20
Protection index against mechanical shocks: IK 08
Perforations in uprights: 9.5 x 9.5 mm
Permissible load: 3 kg/U (or 48 kg for a 19" cabinet 16 U)
                    12 kg for the 10" cabinet 6 U

■ Compliance with standards

LCS² cabinets comply with the following standards:

IEC 60529 EN 60529	(NF C 20-010) Degrees of protection provided by enclosures (IP code)
IEC 62262 EN 62262	(EN 50102, NF C 20-015) Degrees of protection provided by enclosures of electrical material against external mechanical impacts (IK code)
IEC 60950-1 EN 60950-1 C 77-210-1	Safety of data processing equipment
EIA-310-D	Cabinets, enclosures, panels and associated equipment (ANSI / EIA / 310-D-1992)
IEC 60297-1 & 2 DIN 41414-7	(NF C 20-150, NF C 20-151) Sizes of mechanical structures of the 482.6 mm (19 in) series

LCS² cabinets can be integrated into installations complying with the following standards:

EN 50173-1	Information technology - Generic cabling systems
EN 50174-1 & 2 C 90-480-1 & 2	Information technology - Cabling installation
ISO IEC 11801	Information technology - Generic cabling for customer premises
NF C 15-100 Part 4-41	Low voltage electrical installations - Recommendations
UTE C90-483	Residential cabling for communication networks

■ Overall dimensions (mm)
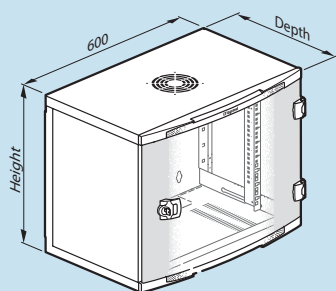
	Cat.Nos	Capacity	Height	Width	Depth
19" fixed cabinets	0 462 00	6 U	350	600	400
	0 462 01	9 U	500		
	0 462 02	12 U	600		
	0 462 03	16 U	800		
	0 462 06	9 U	500		580
	0 462 07	12 U	600		
	0 462 08	16 U	800		
	0 462 09	21 U	1000		
19" pivoting cabinets	0 462 11	9 U	500	600	600
	0 462 12	12 U	600		
	0 462 13	16 U	800		
	0 462 14	21 U	1000		
10" cabinet	0 462 20	6 U	352	314	300

Front opening door and side panels
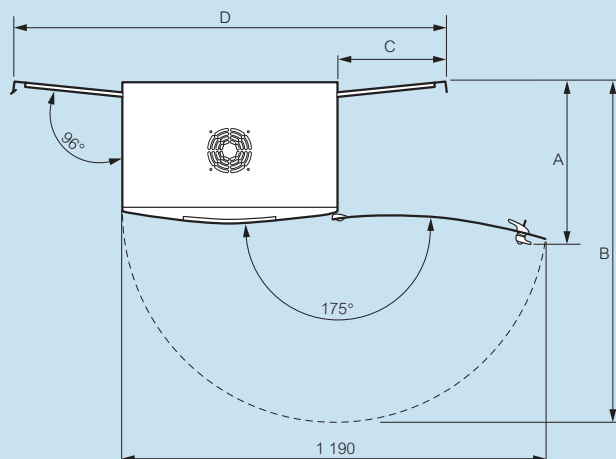
Pivoting bottom opening
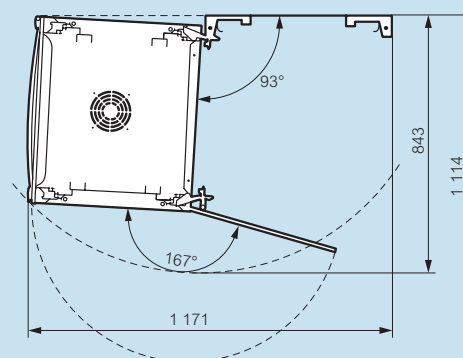
	Cat.Nos	Open doors		Open panels	
		A	**B**	**C**	**D**
19" fixed cabinets	0 462 00	400	962	305	1205
	0 462 01				
	0 462 02				
	0 462 03				
	0 462 06	580	1140	482.5	1565
	0 462 07				
	0 462 08				
	0 462 09				
19" pivoting cabinets	0 462 11	600	1179	482.5	1565
	0 462 12				
	0 462 13				
	0 462 14				

10" cabinet door opening Cat.No 0 462 20
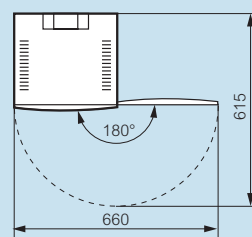
Legrand cabling system LCS²
LCS² 19" and 10" wall-mounting cabinets (continued)

■ Useable dimensions (mm)

19" LCS² fixed cabinets depth 400 mm
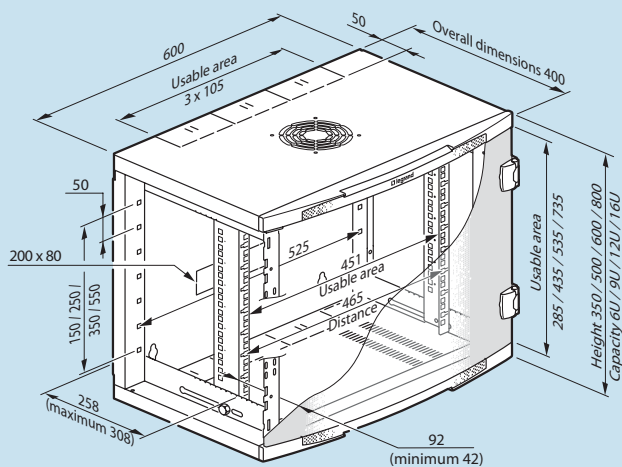
19" LCS² fixed cabinets depth 580 mm
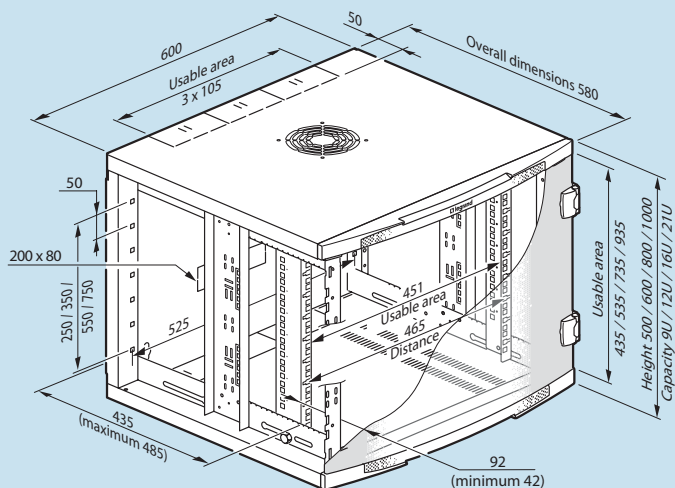
19" LCS² pivoting cabinets depth 600 mm
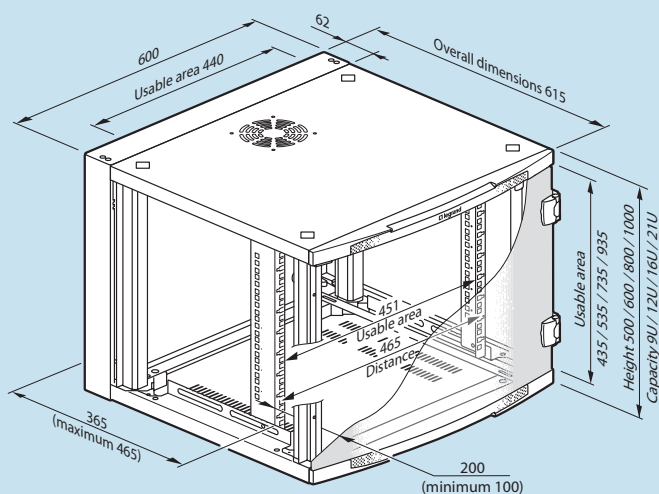
10" LCS² cabinet depth 300 mm
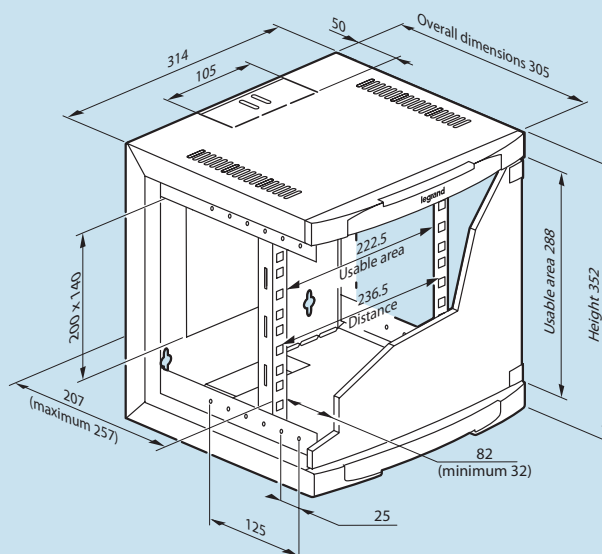
■ Fixing of cabinets (mm)
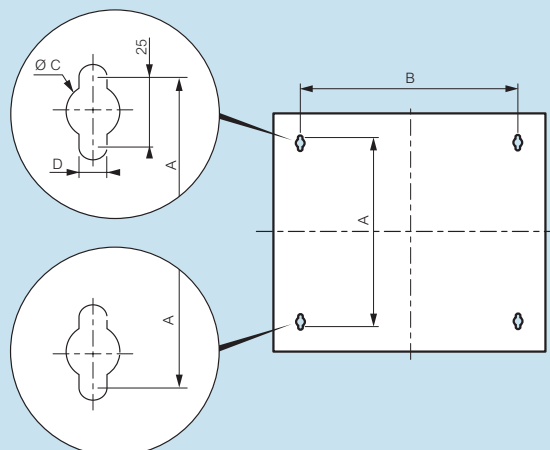
	Capacity	A	B	C	D
19" fixed cabinets	6 U	275			
	9 U	425			
	12 U	525	408	20	11
	16 U	725			
	21 U	925			
19" pivoting cabinets	9 U	425			
	12 U	525	500	18	9
	16 U	725			
	21 U	925			
10" cabinets	6 U	275	250	15	6.5

■ Weight (kg)

	Cat.Nos	Weight
19" fixed cabinets	0 462 00	16.7
	0 462 01	20.4
	0 462 02	22.8
	0 462 03	26
	0 462 06	25.7
	0 462 07	32.7
	0 462 08	41.5
	0 462 09	52.5
19" pivoting cabinets	0 462 11	31.8
	0 462 12	40
	0 462 13	47.3
	0 462 14	59
10" cabinet	0 462 20	8

fixed 19'' Linkeo wall-mounting cabinets

■ General characteristics

Metallic wall-mounting cabinets
RAL 7035 textured polyester coating providing excellent resistance to corrosion and scratching
Glass safety door
Protection index (weatherproof) against solid objects and liquids: IP 20
Protection index against mechanical shocks: IK 08
Perforations in uprights: 9.5 x 9.5 mm
Permissible load: 3 kg/U (or 48 kg for a 19" cabinet 16 U)

■ Compliance with standards: identical to 19" LCS² wall-mounting cabinets

■ Overall dimensions (mm)
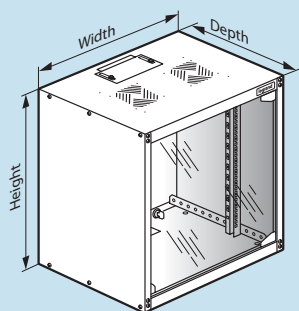
Cat.Nos	Capacity	Height	Width	Depth
0 462 30/35	6 U	367		400
0 462 31/36	9 U	500	600	
0 462 42/47	12 U	625		600
0 462 43/48	16 U	810		

■ Fixing (mm)
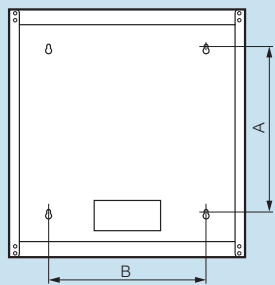
Cat.Nos	Capacity	A	B
0 462 30/35	6 U	153	
0 462 31/36	9 U	286	400
0 462 42/47	12 U	419	
0 462 43/48	16 U	597	

■ Door opening (mm)

130°max.
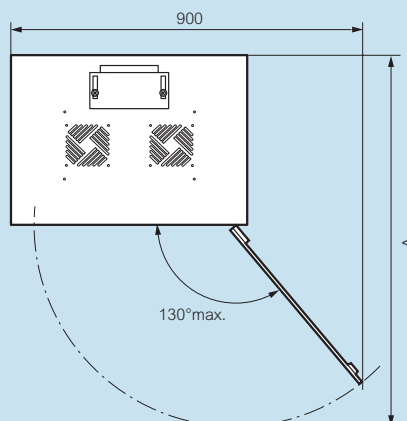
Cat.Nos	Capacity	A
0 462 30/35	6 U	930
0 462 31/36	9 U	
0 462 42/47	12 U	1130
0 462 43/48	16 U	

■ Fan kit (mm)
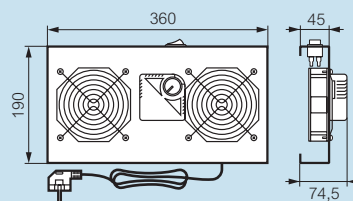
Cat.No	Ventilation zone	
	Number of fans	Output (m³/h)
0 462 70	2	160

LCS² energy distribution

Vertical Power Distribution Units (PDU)

■ Vertical Power Distribution Units configuration

0 465 81   0 465 84   0 465 80   0 465 88   0 465 89   0 465 85
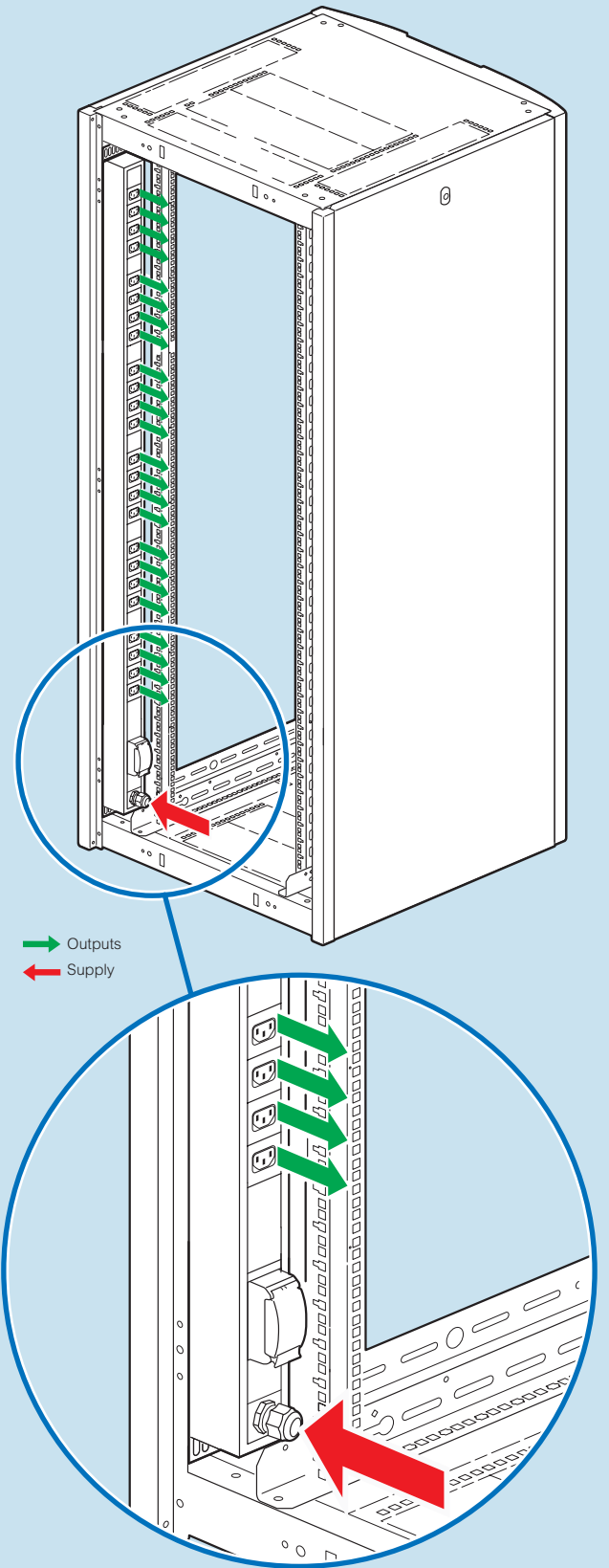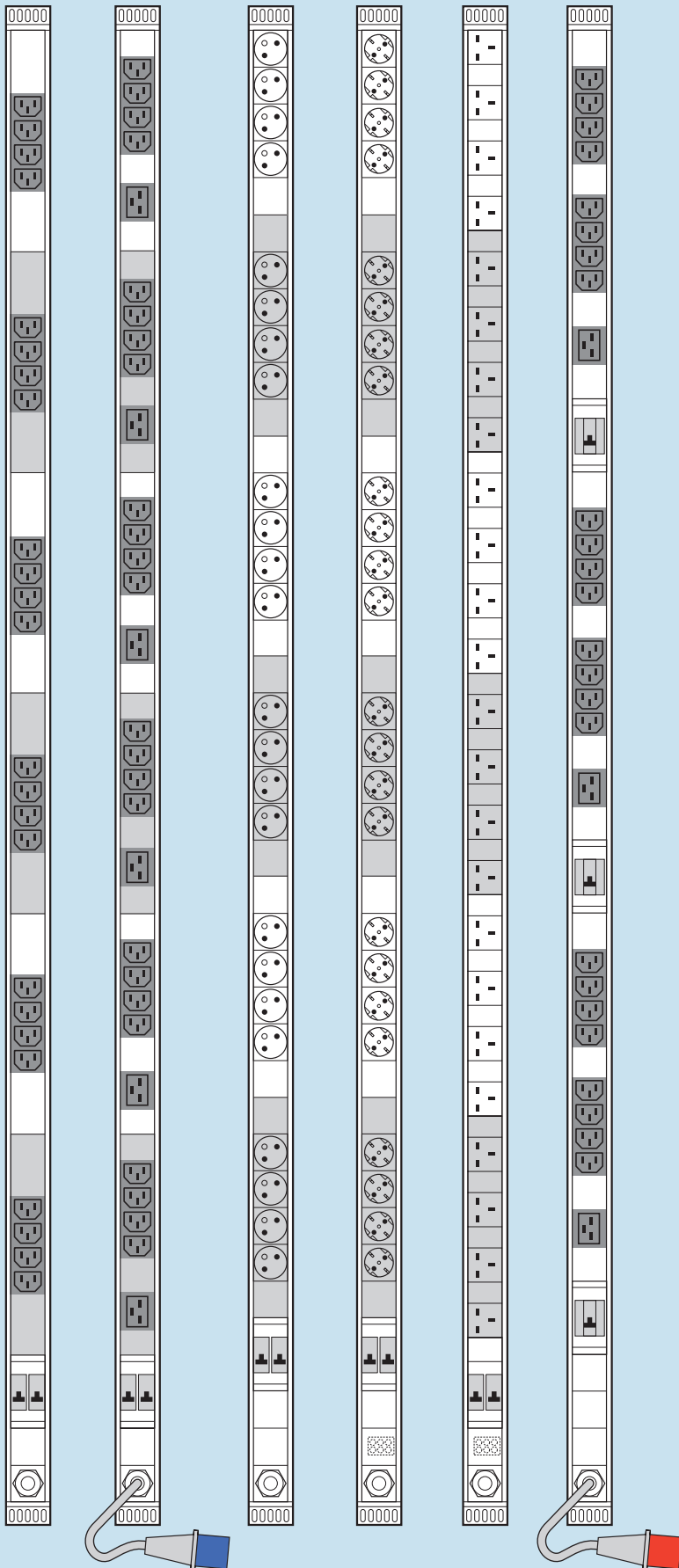
→ Outputs

← Supply

Legrand cabling system LCS²
19" LCS² freestanding cabinets and server freestanding cabinets

■ General characteristics

Metallic extendable freestanding cabinets. RAL 7016 textured polyester coating providing excellent resistance to corrosion and scratching
Front glass safety door, front and rear microperforated metal doors for server freestanding cabinets.
Protection index (weatherproof) against solid objects and liquids: IP 20
Protection index against mechanical shocks: IK 08
Perforations in 19" uprights: 9.5 x 9.5 mm
Permissible load: 10 kg/U (or 420 kg for a 42 U enclosure), 15 kg/U for server freestanding cabinet

■ Compliance with standards

LCS² cabinets comply with the following standards:

IEC 60529 EN 60529	(NF C 20-010) Degrees of protection provided by enclosures (IP code)
IEC 62262 EN 62262	(NF EN 50102, NF C 20-015) Degree of protection provided by enclosures of electrical equipment against external mechanical impacts (IK code)
IEC 60950-1 EN 60950-1 C 77-210-1	Safety of data processing equipment
EIA-310-D	Cabinets, enclosures, panels and associated equipment (ANSI/EIA/310-D-1992)
IEC 60297-1 and 2 DIN 41414-7	(NF C 20-150, NF C 20-151) Sizes of mechanical structures of the 482.6 mm (19 in) series
IEC 60917-1 EN 60917-1	Modular order for the development of mechanical structures for electronic infrastructures
IEC 60917-2-1 EN 60917-2-1	Modular order for the development of mechanical structures for electronic infrastructures Coordination dimensions for infrastructure interfaces in widths of 25 mm (enclosure and frame dimensions)

LCS² cabinets can be integrated into installations complying with the following standards:

EN 50173-1	Information technology - Generic cabling systems
EN 50174-1 & 2 C 90-480-1 & 2	Information technology - Cabling installation
ISO IEC 11801	Information technology - Generic cabling for customer premises
NF C 15-100 Part 4-41	Low voltage electrical installations - Recommendations

■ Overall dimensions (mm)
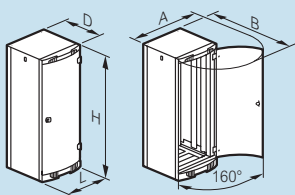
Cat.Nos	Capacity	H[1]	L	D	A	B
0 463 00	24 U	1226				
0 463 06	29 U	1448		659	1138	1208
0 463 12	33 U	1626	610			
0 463 18/30						
0 463 19				859		1408
0 463 21	42 U	2026		657		
0 463 22/33				857		1608
0 463 23			810	1057	1525	1808
0 463 28	47 U	2248		857		1608
0 463 29				1057		1808

Server freestanding cabinets

Cat.Nos	Capacity	H[1]	L	D	A	B
0 463 85	42 U	2026	610	1092	1138	1608
0 463 86	42 U	2026	810	1092	1525	1808

■ Useable dimensions
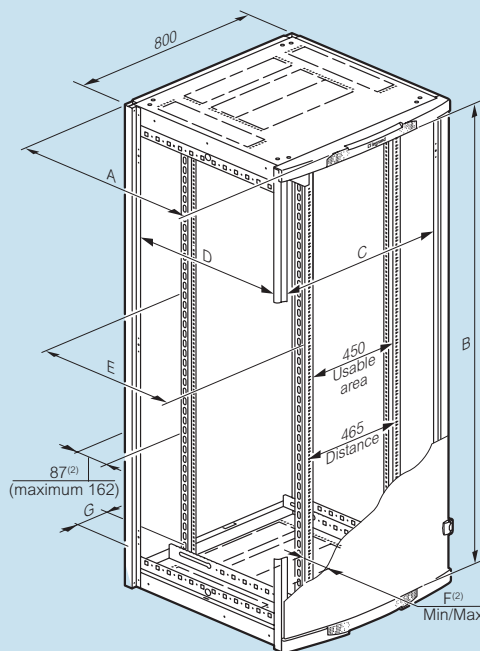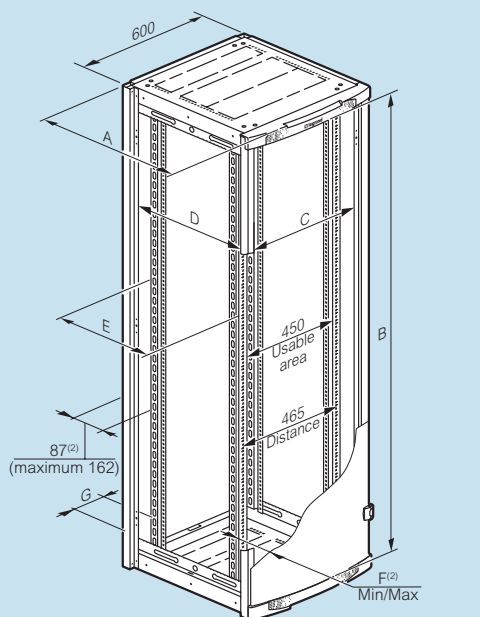
Cat.Nos	Capacity	A	Usable area			E	F[2]		G
			B	C	D		Min.	Max.	
0 463 00	24 U		1086						
0 463 06	29 U	659	1308	490	490	425	118	193	41
0 463 12	33 U		1486						
0 463 18/30									
0 463 19			859		690	625			
0 463 21	42 U		1886		490	425			
0 463 22/33		657			690	625			
0 463 23		857		690	890	825	122	197	141
0 463 28	47 U	857	2108		690	625			
0 463 29		1057			890	825			

Server freestanding cabinets

Cat.Nos	Capacity	A	Usable area			E	F[2]		G
			B	C	D		Min.	Max.	
0 463 85	42 U	1092	1886	490	890	825	122	197	41
0 463 86	42 U	1092	1886	690	890	825	122	197	141

1: Without adjustment levelling feet (+15 to 45 mm with feet)
2: Continuous adjustment with adjustments in steps of 12.5 mm

■ LCS^2 cable entries (mm)
Pre-cut at the top and bottom in 19" format (useable area 451 mm)

	Width 600	Width 800
Depth 600		
Depth 800		
Depth 1000	-	

■ LCS^2 server freestanding cabinets, cable entries (mm)
Pre-cut at the top in 19" format (useable area 451 mm)
Bottom central cut (805 x 450 mm)

	Top	Bottom
Width 600		
Width 800		

■ Weight cabinets (kg)
Weights shown correspond to net weight (without packaging)

Cat.Nos	Weight cabinet	Weight Extension cabinet
0 463 00	69	-
0 463 06	77	-
0 463 12	84	-
0 463 18/30 (ext)	99	72
0 463 19	110	-
0 463 21	114	-
0 463 22/33 (ext)	127	90
0 463 23	151	-
0 463 28	138	-
0 463 29	163	-

■ Weight server freestanding cabinets (kg)
Weights shown correspond to net weight (without packaging)

Cat.Nos	Weight cabinet
0 463 85	155
0 463 86	166

■ Freestanding cabinets plinths (mm)
Plinth kit + side traps
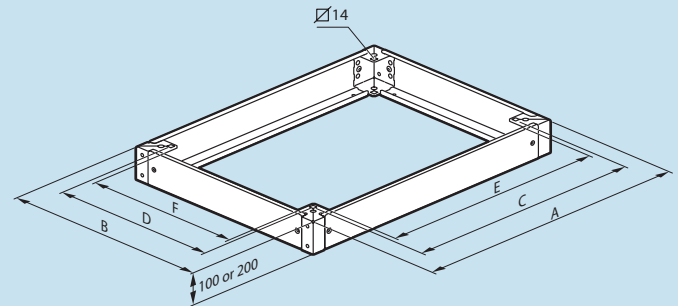
Cabinet dim. Width x Depth	Overall		Mounting		Usable area	
	A	**B**	**C**	**D**	**E**	**F**
600 x 600	599	599	478	478	449	449
600 x 800	599	799	478	678	449	649
800 x 600	799	599	678	478	649	449
800 x 800	799	799	678	678	649	649
600 x 1000	599	999	478	878	449	849
800 x 1000	799	999	678	878	649	849

■ Linking interface (mm)
Left or right assembly of an cabinet fitted with a 200 mm high plinth
Reversible interface cover
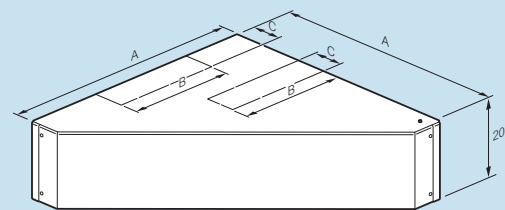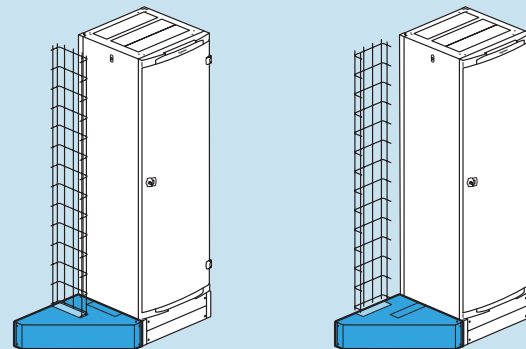
Cabinet dim. Depth	A	B	C
600	595	435	120

■ Supports for cable trays on server cabinets

Cat.No 0 464 78

Cat.No 0 464 79
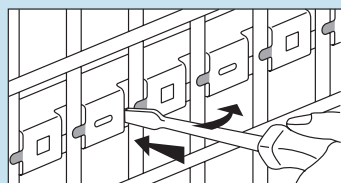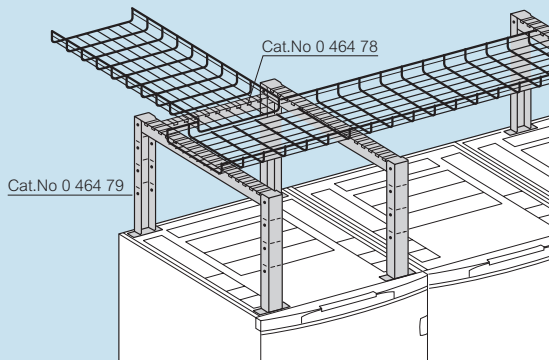
Cable trays can be installed quickly on the supports
Cat.Nos 0 464 72/73/74/78/79

■ 19" plates with fans (mm)

3 U   89
465
482

3 U   89
465
482
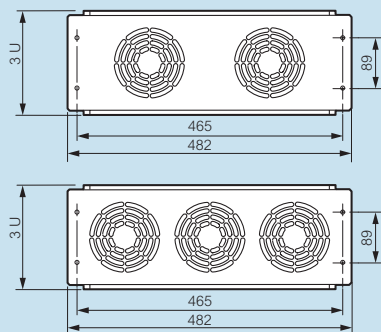
Cat.Nos	Ventilation zone	
	Number of fans	Output (m³/h)
0 464 87	2	180
0 464 88	3	270

■ Shelves (mm)
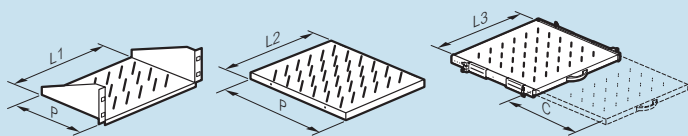
Cat.Nos	D	Useable width			C
		L1	L2	L3	
0 465 00	115	435			
0 462 23[1]	120	216			
0 465 01	200	435			
0 465 02	360	435			
0 465 05	450		440		
0 465 06	650		440		
0 465 07	850		440		
0 465 08	450			425	320
0 465 09	650			425	420
0 465 10	650			425	420
0 465 17	820		425		
0 465 18	820			380	650

1: Fixing centre 236.5 mm

■ Keyboard support shelf (mm)

850 max. - 625 min.

460 max.

250

5 U
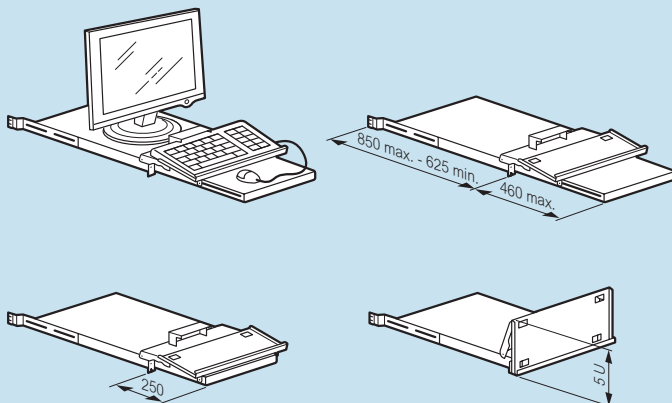
Legrand cabling system LCS²
19" HD (High Density) racks

■ 19" HD Racks

Permissible load: 15 kg/U

0 464 06
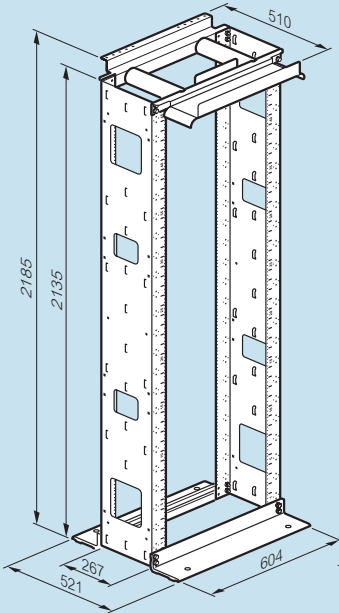
0 464 07
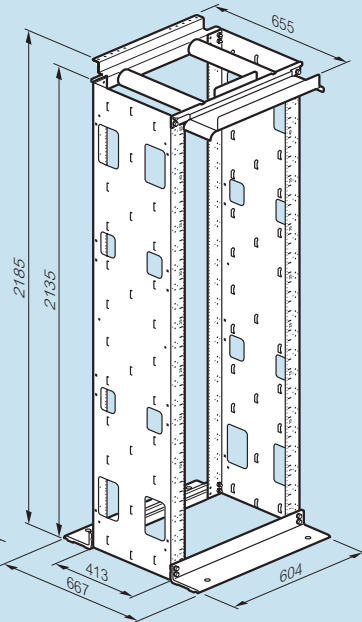
■ Cord management grids

0 464 25   **0 464 26**   **0 464 27**
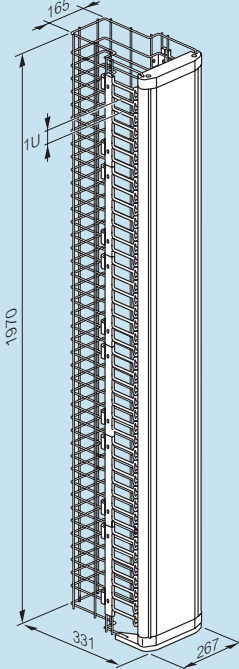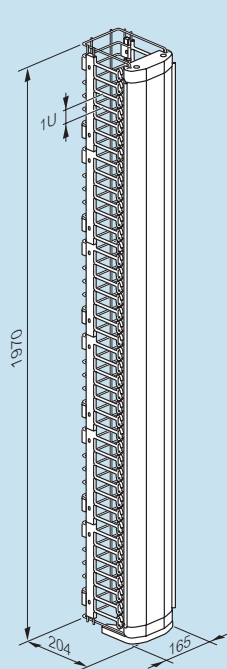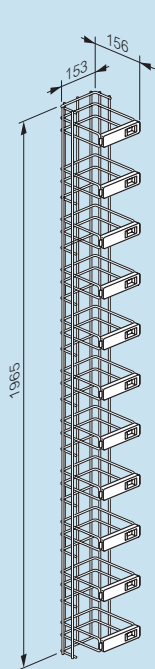
■ 0 464 25

Swing latch replacement installation
Installation can be either right or left hand swing out
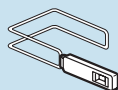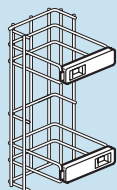
■ 0 464 26/27
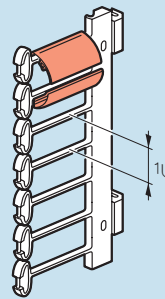
Bend limiting clips   **Cord coiling support**
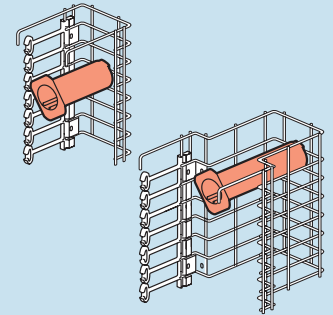
■ Joining racks with grid
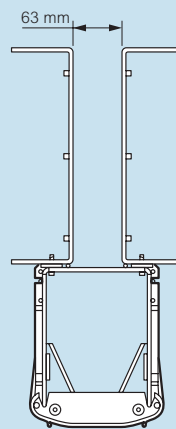
0 464 25/26   **0 464 27**
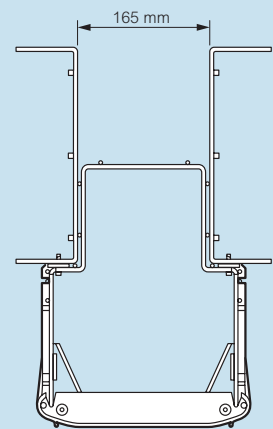
■ Cable tray support

Cat.Nos 0 464 18/19
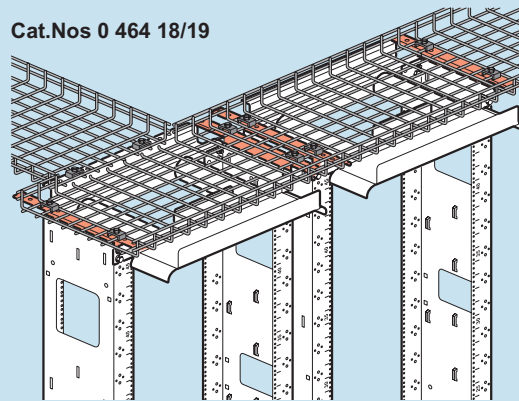
■ 19" cord management panels

Cat.Nos 0 465 70/71

19" bati-rack

wall-mounting rack **for weatherproof cabinets**
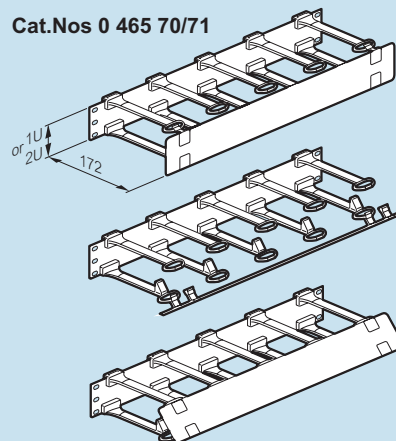
■ General characteristics

Metallic bati-rack
RAL 7035 textured polyester coating providing excellent resistance to corrosion and scratching
Perforations in 19" uprights: 9.5 x 9.5 mm
Permissible load: 300 kg

■ Dimensions (mm)

2 uprights bati-rack Cat.No 0 463 95
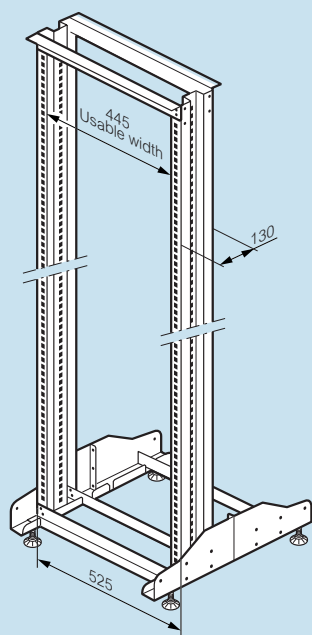
4 uprights bati-rack Cat.No 0 463 96
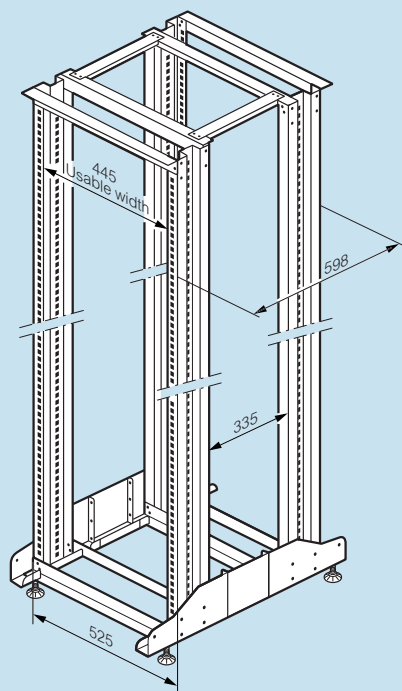
■ Rack mounting in weatherproof cabinets

Perforations in uprights: 9.5 x 9.5 mm

Atlantic cabinets					
Rack Cat.Nos	Capacity	Cat.Nos	Dimensions H x W x D (mm)	Usable dim. under door	
				A (mm)	B (mm)
0 462 27	6 U	0 355 06	400 x 600 x 250	145	105
0 462 28	12 U	0 355 08	600 x 400 x 250	145	105
0 462 28	12 U	0 355 10	600 x 600 x 250	145	105
0 462 28	12 U	0 355 20	600 x 600 x 300	145	155
0 462 28	12 U	0 355 36	600 x 600 x 400	145	255
0 462 28	12 U	0 355 21	600 x 800 x 300	145	155
0 462 29	16 U	0 355 14	800 x 600 x 250	145	105
0 462 29	16 U	0 355 23	800 x 600 x 300	145	155
0 462 29	16 U	0 355 28	800 x 600 x 400	145	255
0 462 29	16 U	0 355 15	800 x 800 x 250	145	105
0 462 29	16 U	0 355 24	800 x 800 x 300	145	155
Marina cabinets					
0 462 28	12 U	0 362 55/75	600 x 400 x 250	150	100
0 462 29	16 U	0 362 61/81	800 x 600 x 300	150	150
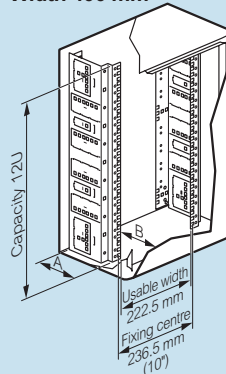
Width 400 mm　　　**Width 600 mm**
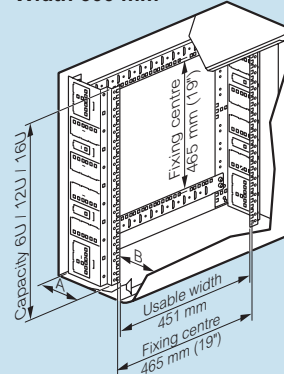
Width 800 mm
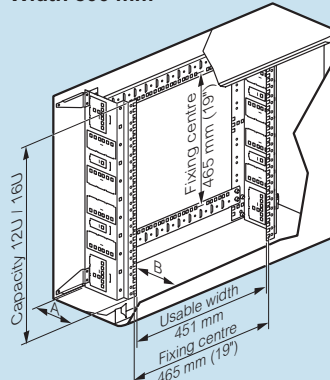
Depth adjusting aid with slides Cat.Nos 0 367 44/45 for Atlantic cabinets depth 300 and 400 mm

■ Rack fixing centres (mm)
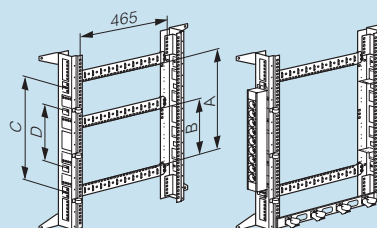
Cat.Nos	Capacity	A	B	C	D
0 462 27	6 U	-	236.5	-	236.5
0 462 28	12 U	465	236.5	465	236.5
0 462 29	16 U	465	236.5	465	236.5

■ Wall fixing (mm)
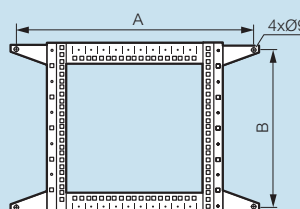
Wall-mounting rack			
Cat.Nos	Capacity	A	B
0 462 27	6 U	725	325
0 462 28	12 U	725	525
0 462 29	16 U	725	725

catalogue number index

Column 1

Cat.Nos	Page No	Pack
0 320 00		
0 320 68	98	50
0 325 00	77	2000
01	-	2000
04	-	2000
05	-	2000
06	-	2000
07	-	2000
08	-	2000
09	-	2000
10	-	2000
11	-	2000
12	-	2000
13	-	2000
14	-	2000
15	-	2000
50	-	2000
51	-	2000
52	-	2000
53	-	2000
54	-	2000
55	-	2000
58	-	2000
59	-	2000
60	-	2000
69	78	1
70	-	1
71	-	1
72	-	1
73	-	1
74	-	1
75	-	1
76	-	1
77	-	1
78	-	1
79	-	1
0 326 00	83	3
01	-	3
02	-	3
03	-	3
04	-	3
05	-	3
06	-	3
07	-	3
08	-	3
09	-	3
10	-	3
11	-	3
12	-	3
13	-	3
14	-	3
15	-	3
16	-	3
17	-	3
19	80	1

Column 2

Cat.Nos	Page No	Pack
0 326 20	80	1
21	-	1
22		1
23	-	1
24	-	1
25	-	1
26	-	1
27	-	1
52	-	10
53	-	10
54	-	10
56	-	10
57	-	10
58	-	10
61	-	10
62	-	10
90	-	1
91	-	1
0 327 37	75	1
44	80	1
45	75	10
46	-	10
47	-	10
48	-	10
50	72	305
51	-	305
52	-	305
53	-	305
54	67	305
55	-	305
56	-	500
57	-	500
58	-	500
59	-	500
60	76	1
73	72	500
74	-	500
76	67	500
77	63	500
78	-	500
80	87	1
81	-	1
83	75	10
86	79	1
87	63	500
0 328 50	72	500
53	-	500
56	67	305
57	-	305
59	-	500
61	-	500
63	-	500
71	-	1000
72	-	1000
73	72	1000
74	-	1000

Column 3

Cat.Nos	Page No	Pack
0 328 78	63	500
88	76	1
91	-	1
0 329 07	78	1
46	101	1
47	-	1
0 330 00		
0 330 48	80	1
49	-	1
61	83	3
62	-	3
63	-	3
65	-	3
69	-	3
70	-	3
71	-	3
72	-	3
73	-	3
75	-	3
76	-	3
77	-	3
78	-	3
80	-	3
81	-	3
82	-	3
0 331 00	80	10
27	-	10
35	98	1
47	80	10
51	83	3
52	-	3
53	-	3
54	64	10
55	-	10
57	83	3
80	73	10
81	69	10
84	98	10
85	-	10
86	-	10
87	-	10
88	-	10
89	-	10
94	-	50
95	-	50
96	-	50
97	80	1
0 332 37	95	1
38	-	1
60	76	1
61	-	1
62	-	1
78	95	1
79	-	1

Column 4

Cat.Nos	Page No	Pack
0 332 80	85	1
81	-	1
87	95	1
88	-	1
91	85	1
93	85	1
0 335 01	75	1
01	85	1
02	75	1
05	-	1
06	-	1
07	-	1
09	-	1
10	-	1
11	-	1
12	74	1
13	-	1
16	-	1
17	-	1
18	-	1
19	-	1
20	82	1
21	84	1
22	-	1
24	84	1
25	85	1
26	-	1
27	-	1
30	76	1
31	-	1
32	-	2
33	-	2
34	74	1
35	-	1
36	-	1
37	-	1
38	-	1
39	-	1
40	70	1
44	-	1
45	-	1
46	-	1
51	72	1
52	-	1
54	-	2
55	-	2
61	66	1
62	-	1
63	-	1
64	-	2
65	-	2
66	-	2
67	-	1
68	-	1
73	62	1
76	-	2
77	-	2

Column 5

Cat.Nos	Page No	Pack
0 335 79	76	1
82	72	1
83	-	1
84	62	1
85	-	1
86	-	1
88	72	1
89	66	1
90	62	1
91	-	10
92	93	1
93	78	1
94	-	8
96	87	1
97	-	1
98	-	1
0 340 00		
0 348 48	92	1
48	97	1
0 364 53	94	1
54	-	1
0 360 00		
0 369 00	79	1
01	-	1
02	-	1
03	-	1
0 460 00		
0 462 00	92	1
01	-	1
02	-	1
03	-	1
06	-	1
07	-	1
08	-	1
09	-	1
11	-	1
12	-	1
13	-	1
14	-	1
20	93	1
23	-	1
24	-	1
25	-	1
26	-	1
27	101	1
28	-	1
29	-	1
30	93	1
31	-	1
35	-	1
36	-	1
42	-	1
43	-	1
47	-	1

Column 6

Cat.Nos	Page No	Pack
0 462 48	93	1
55	92	1
60	-	1
64	-	1
70	93	1
90	78	1
91	-	1
0 463 00	87	1
06	96	1
12	-	1
18	-	1
19	87	1
21	-	1
22	-	1
23	-	1
28	-	1
29	-	1
30	-	1
33	-	1
34	-	1
35	-	1
37	-	1
38	-	1
39	-	1
85	-	1
86	-	1
95	101	1
96	-	1
97	-	1
0 464 06	100	1
07	-	1
15	-	1
16	-	1
18	-	1
19	-	1
23	-	1
25	-	1
26	-	1
27	-	1
50	97	1
51	-	1
52	-	1
53	-	1
54	-	1
56	-	1
58	-	1
60	-	1
61	-	1
62	-	1
63	-	1
64	-	1
66	-	1
69	98	1
70	-	1
72	-	1
73	-	1

Cat.Nos	Page No	Pack
0 464 74	98	1
76	-	1
77	-	1
78	96	1
79	-	1
80	98	1
81	-	1
82	96	1
83	97	1
84	-	1
85	-	1
86	-	1
87	-	1
88	-	1
89	-	1
90	-	1
98	101	1
99	-	1
0 465 00	92	1
01	-	1
02	-	1
05	94	1
06	-	1
07	-	1
08	-	1
09	-	1
10	-	1
11	-	1
12	-	1
13	-	1
17	-	1
18	-	1
19	-	1
22	-	1
23	-	1
28	-	1
29	-	1
30	-	1
31	-	1
32	-	1
33	-	1
38	-	1
39	-	1
40	-	1
41	92	4
42	-	4
45	95	1
50	-	1
51	-	1
52	-	1
54	-	1
60	-	1
62	-	1
65	-	1
70	100	1
71	-	1
80	95	1
81	-	1
84	-	1
85	-	1
88	-	1
89	-	1

Cat.Nos	Page No	Pack
0 470 00		
0 472 72	99	1
75	-	1
0 473 62	99	1
63	-	1
91	-	1
92	-	1
0 476 83	99	1
93	97	1
94	-	1
95	-	1
96	99	1
0 480 00		
0 482 20	99	1
0 510 00		
0 515 00	70	4
01	-	4
02	-	4
03	-	4
04	-	4
05	-	4
10	-	4
11	-	4
12	-	4
13	-	4
14	-	4
15	-	4
0 516 36	72	1
37	-	1
38	-	1
39	-	1
40	-	1
41	-	1
42	-	1
43	-	1
0 517 01	76	50
02	-	50
03	-	50
04	-	50
06	-	50
07	-	50
09	-	1
20	87	1
22	-	1
23	-	1
24	-	1
25	-	1
40	75	10
41	-	10
52	67	5
53	-	5
54	-	5
55	-	5
57	70	4
58	-	4
59	-	4

Cat.Nos	Page No	Pack
0 517 62	67	1
63	-	1
64	-	1
65	-	5
72	-	1
73	-	1
74	-	1
75	-	1
80	63	5
81	-	5
82	-	5
83	-	5
90	70	4
91	-	4
92	-	4
93	-	4
94	-	4
95	-	4
96	-	4
97	-	1
98	-	4
0 518 50	67	1
51	-	1
52	-	1
53	-	1
54	-	1
55	-	1
56	-	1
57	-	1
58	-	1
59	-	1
60	-	1
61	-	1
62	-	1
63	-	1
64	-	1
65	-	1
66	63	5
67	-	5
68	-	5
69	-	5
70	-	5
71	-	5
72	-	5
73	-	5
74	-	5
75	-	5
76	-	5
77	-	5
78	-	5
79	-	5
80	-	5
81	-	5
82	-	5
83	-	5
84	-	5
85	-	5
0 530 00		
0 533 00	76	3
01	-	3
02	-	3

Cat.Nos	Page No	Pack
0 533 03	76	3
0 539 49	75	5
0 690 00		
0 695 56	73	1/20
57	-	1/20
61	69	1/20
69	-	5/100
79	75	1
80	-	10
81	69	1
0 760 00		
0 765 01	73	10
02	-	5
03	68	1
04	-	1
05	-	10
06	-	5
07	-	10
08	64	10
09	-	10
14	68	1
18	73	10
22	68	10
23	-	10
24	64	10
25	-	10
26	-	10
27	-	10
30	73	1
32	68	1
33	-	1/10
35	75	10
36	-	10
37	-	10
38	-	10
39	-	10
41	73	5
42	-	5
44	68	5
46	-	5
51	73	10
52	-	10
54	-	10
55	-	10
61	68	10
62	-	10
63	-	10
64	-	10
65	-	10
66	-	10
71	64	10
73	-	10
74	-	10
76	-	10
81	68	10
82	-	10
83	-	5
84	64	10
90	-	5
91	68	10

Cat.Nos	Page No	Pack
0 765 92	68	10
93	-	10
94	-	5
95	-	5
96	-	5
97	73	5
98	-	10
99	64	5
0 770 00		
0 778 80	75	1
81	-	1
91	69	10
0 779 00	85	1
01	-	1
13	84	1
14	-	1
20	85	1
0 780 00		
0 786 06	68	10
07	-	10
14	79	1
16	-	1
17	-	1
18	-	1
20	71	10
21	-	10
22	-	10
23	-	10
24	-	10
25	-	10
26	-	10
27	-	10
0 787 50	91	10
51	-	10
52	-	1
53	-	1
54	-	1
55	-	10
56	-	10
57	90	1
58	91	1
60	-	10
63	-	1
64	90	1
68	-	1
69	91	1
70	90	1
71	91	1
72	90	1
73	-	1
74	-	1
75	91	10
76	-	10
77	90	1
78	-	1
79	-	1
91	-	1
99	-	1

Cat.Nos	Page No	Pack
0 790 00		
0 792 50	91	10
54	-	1
55	-	10
57	90	1
64	-	1
75	-	1
0 793 77	90	1
78	-	1
79	-	1
0 794 12	68	10
13	-	10
33	-	1
51	73	10
52	-	10
54	-	10
55	-	10
61	68	10
62	-	10
64	-	10
65	-	10
71	64	10
73	-	10
74	-	10
76	-	10
81	68	5
85	-	5
86	-	5
92	-	10
0 900 00		
0 904 67	69	1
0 910 00		
0 919 45	75	1
5 720 00		
5 720 83	85	1
84	-	1
85	-	1
89	88	1
90	-	1
91	-	1
92	89	1
93	-	1
96	88	1
97	-	1
5 722 70	89	10
71	-	1
72	-	1
73	-	1
74	88	1
76	89	1
77	-	1
78	88	1
79	-	1
80	89	10
81	88	1
82	-	1

legrand

Cat.Nos	Page No	Pack
5 722 83	89	1
84	-	1
88	88	1
5 723 02	69	10
03	73	10
04	-	10
06	65	10
14	69	10
15	73	10
16	69	10
17	-	10
22	69	10
23	-	10
25	69	10
26	-	10
28	73	10
29	-	10
30	71	10
31	-	10

Cat.Nos	Page No	Pack
5 723 32	71	10
33	-	10
35	75	10
36	-	10
39	69	1
49	65	10
50	-	5
51	-	10
52	-	10
53	69	5
54	-	10
55	-	10
57	65	5
58	-	10
59	-	10
76	84	1
77	-	1
78	-	1
5 725 90	88	1

Cat.Nos	Page No	Pack
5 725 91	88	1
92	89	1
93	-	1
96	88	1
97	-	1
5 727 70	89	10
71	-	1
72	-	1
73	-	1
74	88	1
76	89	1
77	-	1
78	88	1
79	-	1
80	89	10
81	88	1
82	-	1
83	89	1
84	-	1

Cat.Nos	Page No	Pack
5 727 88	88	1
5 728 02	69	10
03	73	10
04	73	10
06	65	10
14	69	10
15	73	10
16	69	10
17	-	10
22	-	10
23	-	10
25	-	10
26	-	10
28	73	10
29	-	10
30	71	10
31	-	10
32	-	10
33	-	10

Cat.Nos	Page No	Pack
5 728 35	75	10
36	-	10
39	69	1
49	65	10
50	-	5
51	-	10
52	-	10
53	69	5
54	-	10
55	69	10
57	65	5
58	-	10
59	65	10

Cat.Nos	Page No	Pack
5 728 76	84	1
77	-	1
78	-	1
83	85	1
84	-	1
85	-	1
5 740 00		
5 744 01	89	1
51	-	1
6 330 00		
6 339 00	95	1

L1 legrand