

20 YEARS WARRANTIES

Project files



STRUCTURED CABLING SYSTEMS CATEGORIES 6A, 6 & 5e

- Customer copy
- Legrand copy

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TO BENEFIT FROM LEGRAND WARRANTIES

1 Complete and sign the Identity document:

- Worksite details*,
- Commitment to the "14 key points"*,
- List of "VDI products"*,
- List of "Additional products"*.

2 Print out the documentation of the acceptance test carried out on the:

- Link*
- Channel*

3 Make a copy of the existing plan showing the location of the products and bearing your company stamp.

4 Complete and sign the selected 20-year warranty agreement(s):

- Performance*
 - Category 6* Category 5*
 - Category 6A* (10 Gig)
- System Components*
 - Category 6* Category 5*
 - Category 6A* (10 Gig)

Send all these documents by post to:

LEGRAND
Service Relations Pro
128 av. de Lattre de Tassigny
87045 Limoges Cedex - France

- You will receive confirmation by post that the warranty has been issued for the designated worksite.
- The Project Owner and the Project Manager will also receive a copy of this confirmation.
- We will remind you of this Commitment by Legrand during the warranty period ...

*(check the box)

WORKSITE DETAILS

You, the Installer of the installation

Company: _____

Represented by: _____

Position: _____

Address: _____

Signature and Company Stamp preceded by the words "certifies having carried out the installation"

Worksite

Company: _____

Address: _____

Represented by: _____

Position: _____

Telephone: _____

Fax: _____

Building: _____

Floor: _____

Area: _____

Signature and Company Stamp

Project Manager (if different from the worksite)

Company: _____

Represented by: _____

Position: _____

Address: _____

Signature and Company Stamp

THE 14 KEY POINTS OF AN INSTALLATION

- 1** Create a star architecture as defined in ISO IEC 11 801 and EIA/TIA 568.
- 2** Select a uniform performance category for all components in the installation (user cord, end socket, cable, patch panel, patch cord).
- 3** Install the cable, taking care to maintain a bending radius of at least eight times the cable diameter.
- 4** Comply with the separation distances for LV and ELV as defined in standard EN 50174-2 (see Appendix 1).
- 5** Cross LV and ELV cables at right angles.
- 6** Maintain a minimum distance between data cables and sources of interference (see Appendix 2) (UTE C15 900).
- 7** A main equipotential link must connect:
 - The main earthing terminal
 - Any earth electrode installed
 - Metal trunking
 - Protective earth conductors.
- 8** Ensure continuity of metal ducts (see Appendix 3).
- 9** Use the shortest possible connections to link the exposed conductive parts of all equipment and ducting to the earthing system (see Appendix 4).
- 10** Maintain a maximum untwisted length of 13 mm.
- 11** Carry out an acceptance test on the installation covering all the links to which the warranty applies. The test must comply with the specifications for the class and category installed.
- 12** If using screened or shielded cables:
 - The exposed conductive parts must be connected at both ends.
 - All channel components must be screened or shielded in the same way.
- 13** During the acceptance test, enter the NVP parameter (cable propagation speed) on the tester.
- 14** Install the cables under the conditions described in Guide 15 900. If using trunking or profiled ducting, install networks in different compartments in decreasing order of sensitivity to the ground plane (the most sensitive network being the closest to the ground plane).

Signature and stamp of the INSTALLER

(preceded by the words «certifies having carried out the installation»)

Location

Date

APPENDICES - THE 14 KEY POINTS OF AN INSTALLATION

APPENDIX 1

Environments subject to a great deal of interference or sensitive computer systems

In the case of environments subject to a great deal of interference or sensitive computer systems, it is recommended that shielded components are used and connected to ground throughout 360°

In horizontal trunking, the sockets are installed in the same compartment as the cable to which they are connected.

Separation of information technology (IT) cables and power supply cables.

(Horizontal and vertical wiring)

Type of installation	Unscreened	Screened	Without separation or non-metallic separation	Aluminium separation	Steel separation
Electric cable IT cable	■ ■		200 mm	110 mm	50 mm
Electric cable IT cable	■	■	50 mm	20 mm	5 mm
Electric cable IT cable	■	■	30 mm	10 mm	2 mm
Electric cable IT cable		■ ■	0 mm	0 mm	0 mm

APPENDIX 2

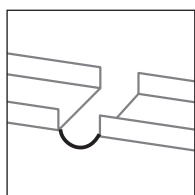
Sources of interference

- Fluorescent luminaires: distance 50 cm min.
- Motors, air conditioning units, industrial and medical equipment: distance 1 m min.

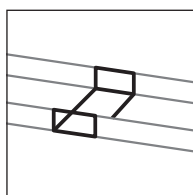
APPENDIX 3

Sources of interference

It is recommended that the shape of the metal cross-section is maintained along its entire length.



NO



YES

APPENDIX 4

Equipotential links

When a building is constructed, it is advisable to create a meshed ground system.

The equipotential links with this ground system must be:

- As numerous as possible
- As short as possible (< 50 cm)
- Made of flat copper or braid (as wide as possible)

service Relations Pro

0810 48 48 48 (local call rate)

Monday to Friday 8h à 18h

Postal address: 128 av. de Lattre de Tassigny
87045 Limoges Cedex - France

Fax: 0810 48 00 00 (local call rate)

E-mail: accessible sur legrand.fr

STRUCTURED CABLING SYSTEMS CATEGORIES 6A, 6 & 5E

20 years warranty Components



- Customer copy
- Legrand copy

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PREAMBLE

LEGRAND, under certain combined eligibility conditions, offers to warranty the components of Cat 6A, Cat 6 or Cat 5e LCS2 cabling systems for 20 years, by granting an 18-year WARRANTY EXTENSION to the contractual LEGRAND warranty for products, hereafter referred to as "CABLING SYSTEM PRODUCTS".

THE INSTALLER has indicated an interest in obtaining this CABLING SYSTEM PRODUCTS WARRANTY.

THE PARTIES have opened up negotiations to finalise the granting of this warranty to the INSTALLER.

The Parties have accordingly agreed the following:

ART 1. Definitions

- 1) "CABLING SYSTEM PRODUCTS" means those products included in the list of VDI products that can be covered by a separate warranty (see list of products attached to the Installation Identity Document).
- 2) "WARRANTY EXTENSION" means a period in addition to the initial 2-year warranty covering correct operation of the products, granted by LEGRAND, and an eighteen (18) year extension of the warranty covering correct operation on products referred to as CABLING SYSTEM PRODUCTS, excluding any other products or equipment.

ART 2. Purpose

The purpose of this agreement is to define the conditions under which LEGRAND provides the INSTALLER, considered here as "intuitu personae", with the CABLING SYSTEM PRODUCTS WARRANTY on the components in a Category 5e or Category 6 installation for CABLING SYSTEM PRODUCTS, agreeing on a period in addition to the initial warranty covering correct operation of the products, granted by LEGRAND, and excluding any other products and equipment.

ART 3. Conditions for granting the warranty

The Warranty only applies to the installation carried out at the worksite for which the details are given in the Installation Identity Document.

THE INSTALLER can only benefit from the warranty if all the following conditions have been met:

- The Installer has stored the components used in the installation under storage conditions that are appropriate to their nature.
- The Installer has carried out the installation in strict compliance with good practice and in accordance with the following combination of conditions:
 - The installation must be carried out in accordance with the rules defined by the installation standards EN 50174, NFC 15900, EN 55022 and ISO 11801 or NF EN 50173, which are in force on the date the Warranty is granted.
 - The components of this installation must be used under the conditions for which they have been designed.
- As well as the signed agreement, the Installer has delivered to LEGRAND the Installation Identity Document, consisting of:
 - The completed Worksite Details
 - Lists of VDI PRODUCTS with their quantities
 - A copy of the installed equipment layout plan bearing the installer's company stamp.
- Any subsequent modifications must comply with the conditions listed above. Any "new phase of work" type extension to the installation must form the subject of a new agreement.

LEGRAND reserves the right to cancel this Warranty agreement at any time if the INSTALLER fails to fulfil any of the obligations defined by the agreement or in the event of attempted fraud by the Installer.

ART 4. Duration of the warranty granted to the installer

The "20-YEAR COMPONENTS WARRANTY " is granted to the INSTALLER for a period of twenty (20) years i.e. an eighteen (18) year extension of the warranty covering correct operation on the products referred to as "CABLING SYSTEM PRODUCTS".

Should the INSTALLER cease trading after the agreement has come into effect, the Project Owner or Project Manager must direct the Installer's successor to LEGRAND.

ART 5. Warranty coverage

In all applicable cases, if the products no longer operate correctly as defined in article 1, as a result of a product fault, the warranty covers the supply of the spare parts needed to repair the product, its outright replacement or the supply of a product with equivalent characteristics and performance that will restore the installation, excluding all other costs, charges and compensation.

This warranty applies if the products have been stored, installed and maintained in accordance with good practice, current standards and the specifications in the LEGRAND catalogues and operating instructions, and if their failure is not the result of abnormal use, negligence, malicious intent, or an external accident.

ART 6. Scope – Privity

The 20-YEAR COMPONENTS WARRANTY is granted exclusively to the INSTALLER of the system.

It can only be granted for the worksite identified in the Installation Identity Document.

It does not cover either the installation of the channel or any resulting indirect damage.

It may not under any circumstances be transferred or assigned.

ART 7. Effective date of coverage

The 20-YEAR COMPONENTS WARRANTY takes effect as soon as this agreement is signed by LEGRAND.

The agreement will only be signed when LEGRAND has:

- received the Installation Identity Document completed, checked and signed by the INSTALLER.
- examined and validated the Installation Identity Document and finally confirmed the installation, indicating its agreement by signing.

Executed at/in On

In two original copies, with each Party receiving a copy.

For LEGRAND

For the INSTALLER

Mr.....

Mr.....

(First Name, Surname, Position, Company Stamp)

(First Name, Surname, Position, Company Stamp)

service
Relations Pro

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STRUCTURED CABLING SYSTEMS CATEGORIES 6A, 6 & 5E

20 years warranty System



- Customer copy
- Legrand copy

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PURPOSE OF THE AGREEMENT

20-YEAR WARRANTY LINK OR CHANNEL PERFORMANCE

Legrand offers the Installer the opportunity to warranty the long-term continuity of performance of a Cat 6A, Cat 6 or Cat 5e LCS² cabling system.

Link > assembly of the following components:

- Patch panel
- Cable
- RJ 45 socket
- Area distribution box

Performance is measured over a maximum length of 90 m.

Channel > assembly of the following components:

- Patch cord
- Patch panel
- Cable
- RJ 45 socket
- User cord
- Area distribution box

Performance is measured over a maximum length of 100 m.

+ 3-YEAR WARRANTY EXTENSION ON ADDITIONAL PRODUCTS

By taking out the Performance warranty opposite, the usual 2-year Legrand warranty is extended to 5 years for the following products

- Enclosures
- Cabinets
- Patching accessories (feedthroughs, shelves, etc.).

This 20-year Performance warranty agreement must be completed and signed in duplicate.

The Legrand copy must be sent, together with the Installation Identity Document, the acceptance test documentation, the product layout plan and, if applicable, the 20-year Components Warranty agreement, to:

LEGRAND
Relations Pro Service
128 av. de Lattre de Tassigny
87045 Limoges Cedex - France

- 5) "VDI PRODUCTS" means the products included in the list of VDI products attached to the Installation Identity Document, that can be covered by a separate warranty.
- 6) "ADDITIONAL PRODUCTS" means the products included in the additional products list attached to the Installation Identity Document, with quantities completed by the INSTALLER.
- 7) "WARRANTY EXTENSION" means a period in addition to the initial warranty covering correct operation of the products granted by LEGRAND, and a three (3) year extension of the warranty covering correct operation on products referred to as ADDITIONAL PRODUCTS, excluding all other products and equipment.

ART 2. Purpose

The purpose of this agreement is to define the conditions under which LEGRAND provides the INSTALLER, considered here as "intuitu personae", with the 20-YEAR PERFORMANCE WARRANTY on the Category 5e or Category 6 channel or link for VDI products and additional products, agreeing on a period in addition to the initial warranty covering correct operation granted by LEGRAND, and excluding any other products and equipment.

ART 3. Conditions for granting the warranty

The Warranty only applies to the installation carried out at the worksite for which the details are given in the Installation Identity Document.

THE INSTALLER can only benefit from the Warranty if all the following conditions have been met:

- The Installer has stored the components used in the installation under conditions that are appropriate to their nature.
- The Installer has carried out the installation in strict compliance with good practice and in accordance with the following combination of conditions:
 - All the components used in the cabling system must be Category 5e or 6 components of

LEGRAND LCS5 or LCS6 cabling systems, listed in the Installation Identity Document, or failing that, products recommended and approved by LEGRAND.

- The installation must be carried out in accordance with the rules defined in installation standards EN 50174, NFC 15900, EN 55022 and ISO 11801 or NF EN 50173, which are in force on the date the Warranty is granted.

- For a CHANNEL Performance Warranty, all the patch cords and user cords must be original LEGRAND components.

The length of a patch cord is limited to 5 metres.

- As well as the signed agreement, the Installer has delivered to LEGRAND the Installation Identity Document, consisting of:
 - The completed Worksite Details
 - Lists of VDI PRODUCTS and ADDITIONAL PRODUCTS with their quantities
 - "The 14 key points" document completed, checked and signed to indicate that the INSTALLER has complied with these points
 - A copy of the installed equipment layout plan bearing the installer's company stamp
 - Documentation on the installation acceptance test carried out in accordance with current standards.
- LEGRAND must ensure that the data for the installation acceptance test submitted by the INSTALLER conforms to the values specified in the performance standards.
- Any subsequent modifications must comply with the conditions listed above. Any "new phase of work" type extension to the installation must form the subject of a new agreement.

LEGRAND reserves the right to cancel this Warranty agreement at any time if the INSTALLER fails to fulfil any of the obligations defined by the agreement or in the event of attempted fraud by the Installer.

ART 4. Duration of the warranty granted to the installer

The Performance Warranty is granted to the INSTALLER for a period of twenty (20) years.

In addition, the INSTALLER will benefit from a warranty of five (5) years on "ADDITIONAL PRODUCTS", i.e. a three (3) year extension of the warranty covering correct operation on ADDITIONAL PRODUCTS, provided that the channel or link covered by the warranty consists entirely of LEGRAND products.

Should the INSTALLER cease trading after the agreement has come into effect, the Project Owner or Project Manager must direct the Installer's successor to LEGRAND.

ART 5. Performance warranty coverage

In all applicable cases, if the level of performance defined in article 1 is no longer provided as the result of a product fault, the warranty covers the supply of the spare parts needed to repair the product, its outright replacement or the supply of a product with equivalent characteristics and performance that will restore the installation, excluding all other costs, charges and compensation.

This warranty applies if the products have been stored, installed and maintained in accordance with good practice, current standards and the specifications in the LEGRAND catalogues and operating instructions, and if their failure is not the result of abnormal use, negligence, malicious intent, or an external accident.

ART 6. Scope – Privity

The 20-YEAR PERFORMANCE WARRANTY is granted exclusively to the INSTALLER of the LEGRAND VDI system.

It can only be granted for the worksite identified in the Installation Identity Document.

It does not cover either the installation of the channel or any resulting indirect damage.

It may not under any circumstances be transferred or assigned.

ART 7. Effective date of coverage

The 20-YEAR PERFORMANCE WARRANTY takes effect as soon as this agreement is signed by LEGRAND.

The agreement will only be signed when LEGRAND has:

- received the Installation Identity Document completed, checked and signed by the INSTALLER.
- examined and validated the Installation Identity Document and finally confirmed the installation, indicating its agreement by signing.

Executed at/in On

In two original copies, with each Party receiving a copy.

For LEGRAND

For the INSTALLER

Mr.....

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service
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87045 Limoges Cedex - France

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E-mail: [accessible on legrand.fr](mailto:accessible@legrand.fr)

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LIST OF VDI PRODUCTS

quantity to be completed by the INSTALLER in order to obtain:

the 20-YEAR PERFORMANCE WARRANTY

and/or

the 20-YEAR COMPONENTS WARRANTY

DESCRIPTION	CAT.NOS	Quantity
Patch panels with connector		
Equipped panel - 1 U - contacts 4-5/7-8 - for analogue telephone - LCS ²	33530	.....
Equipped panel - 1 U - contacts 3-6/4-5 - for digital telephone - LCS ²	33531	.....
Equipped patch panel - 19" - 1 U - Cat. 5e - UTP - LCS ²	33551	.....
Equipped patch panel - 19" - 1 U - Cat. 5e - FTP - LCS ²	33552	.....
Equipped patch panel - 19" - 1 U - Cat. 6 - UTP - LCS ²	33561	.....
Equipped patch panel - 19" - 1 U - Cat. 6 - FTP - LCS ²	33562	.....
Equipped patch panel - 19" - 1 U - Cat. 6 - STP - Metal shielding - LCS ²	33563	.....
Equipped patch panel - 19" - 1 U - Cat. 6A - STP - Metal shielding - LCS ²	33573	.....
Patch panels to be equipped		
Patch panel to be equipped - 19" - 1 U - LCS ²	33590	.....
Patch panel to be equipped - 10" - 1 U - LCS ²	33592	.....
TOTAL OF PANELS		.....
Blocks for panels to be equipped, Copper		
6-connector block RJ 45 - Cat. 5 - UTP - for patch panel to be equipped - LCS ²	33554	.....
6-connector block RJ 45 - Cat. 5 - FTP - for patch panel to be equipped - LCS ²	33555	.....
6-connector block RJ 45 - Cat. 6 - UTP - LCS ²	33564	.....
6-connector block RJ 45 - Cat. 6 - FTP - LCS ²	33565	.....
6-connector block RJ 45 - Cat. 6 - STP - Metal shielding - LCS ²	33566	.....
6-connector block RJ 45 - Cat. 6A - STP - Metal - for 19" patch panel - LCS ²	33576	.....
End sockets		
Mosaic		
RJ 45 socket Mosaic Prog - Cat. 6 - FTP - Green flap - 2 mod - White - LCS ²	76522	.....
RJ 45 socket Mosaic Prog - Cat. 6 - FTP - Orange flap - 2 mod - White - LCS ²	76523	.....
RJ 45 socket Mosaic Prog - Cat. 6A - STP - Green flap - 2 mod - White - LCS ²	76524	.....
RJ 45 socket Mosaic Prog - Cat. 6A - STP - Orange flap - 2 mod - White - LCS ²	76525	.....
Double RJ 45 socket Mosaic Prog - Direct clip-on trunking - Cat. 5e - FTP - 3 mod - LCS ²	76542	.....
Double RJ 45 socket Mosaic Prog - Direct clip-on trunking - Cat. 6 - FTP - 3 mod - LCS ²	76546	.....
RJ 45 socket Mosaic Prog - Cat. 5e - UTP - 1 mod - White - LCS ²	76551	.....
RJ 45 socket Mosaic Prog - Cat. 5e - FTP - 1 mod - White - LCS ²	76552	.....
RJ 45 socket Mosaic Prog - Cat. 5e - UTP - 2 mod - White - LCS ²	76554	.....
RJ 45 socket Mosaic Prog - Cat. 5e - FTP - 2 mod - White - LCS ²	76555	.....
RJ 45 socket Mosaic Prog - Cat. 6 UTP - 1 mod - White - LCS ²	76561	.....
RJ 45 socket Mosaic Prog - Cat. 6 - FTP - 1 mod - White - LCS ²	76562	.....
RJ 45 socket Mosaic Prog - Cat. 6 - STP - Metal shielding - 1 mod - White - LCS ²	76563	.....
RJ 45 socket Mosaic Prog - Cat. 6 UTP - 2 mod - White - LCS ²	76564	.....

Customer Copy

Legrand copy

LIST OF VDI PRODUCTS (continued)

DESCRIPTION	CAT.NOS	Quantity
RJ 45 socket Mosaic Prog - Cat. 6 - FTP - 2 mod - white - LCS ²	76565	.....
RJ 45 socket Mosaic Prog - Cat. 6 - STP - Metal shielding - 2 mod - white - LCS ²	76566	.....
RJ 45 socket Mosaic Prog - Cat. 6A - STP - 1 mod - white - LCS ²	76573	.....
RJ 45 socket Mosaic Prog - Cat. 6A - STP - 2 mod - white - LCS ²	76576	.....
RJ 45 socket Mosaic Prog - Cat. 6 - FTP - antibacterial - 1 mod - white - LCS ²	76582	.....
RJ 45 socket Mosaic Prog - Cat. 6 - STP - shielded - 1 mod - antibacterial - white - LCS ²	76583	.....
RJ 45 socket Mosaic Prog - Cat. 6 - UTP - 90° socket - 2 mod - white - LCS ²	76591	.....
RJ 45 socket Mosaic Prog - Cat. 6 - FTP - 90° socket - 2 mod - white - LCS ²	76592	.....
RJ 45 socket Mosaic Prog - Cat. 6 - STP - Metal shielding - 90° - 2 mod - white	76593	.....
RJ 45 socket Mosaic Prog - controlled access - Cat. 6 - UTP - 2 mod - white - LCS ²	76594	.....
RJ 45 socket Mosaic Prog - controlled access - Cat. 6 - FTP - 2 mod - white - LCS ²	76595	.....
RJ 45 socket Mosaic Prog - Cat. 6 - STP - Metal shielding - 2 keys - 2 mod - white - LCS ²	76596	.....
RJ 45 socket Mosaic Prog - controlled access - Cat. 6A - STP - 2 mod - white - LCS ²	76599	.....
RJ 45 socket Soliroc Prog - Cat. 6 - FTP - IK 10 - IP 20 - LCS ²	77891	.....
RJ 45 socket Mosaic Prog - Cat. 5e - FTP - 1 mod - aluminium - LCS ²	79452	.....
RJ 45 socket Mosaic Prog - Cat. 5e - FTP - 2 mod - aluminium - LCS ²	79455	.....
RJ 45 socket Mosaic Prog - Cat. 6 UTP - 8-contact - 1 mod - aluminium	79461	.....
RJ 45 socket Mosaic Prog - Cat. 6 - FTP - 1 mod - aluminium - LCS ²	79462	.....
RJ 45 socket Mosaic Prog - Cat. 6 - UTP - 2 mod - aluminium - LCS ²	79464	.....
RJ 45 socket Mosaic Prog - Cat. 6 - FTP - 2 mod - aluminium - LCS ²	79465	.....
RJ 45 socket Mosaic Prog - Cat. 6A - STP - 1 mod - aluminium	79473	.....
RJ 45 socket Mosaic Prog - Cat. 6A - STP - 2 mod - white	79476	.....
RJ 45 socket Mosaic Prog - Cat. 6 - FTP - 90° socket - 2 mod - aluminium - LCS ²	79492	.....
Céliane		
RJ 45 socket Céliane Prog - Cat. 6 - UTP - LCS ²	67344	.....
RJ 45 socket Céliane Prog - Cat. 6 - FTP - LCS ²	67345	.....
RJ 45 socket Céliane Prog - Cat. 6A - STP - Metal shielding - LCS ²	67346	.....
Plexo		
RJ 45 socket Plexo Prog - Cat. 5e - UTP - IP 55 flap closed IK 07 - LCS ²	69556	.....
RJ 45 socket Plexo Prog - Cat. 5e - FTP - IP 55 flap closed IK 07 - LCS ²	69557	.....
RJ 45 socket Plexo Prog - Cat. 6 - UTP - IP 55 flap closed IK 07 - LCS ²	69561	.....
RJ 45 socket Plexo Prog - Cat. 6 - FTP - IP 55 flap closed IK 07 - LCS ²	69569	.....
TOTAL OF END SOCKETS		.....

LIST OF VDI PRODUCTS (continued)

DESCRIPTION	CAT.NOS	Quantity
Cables		
LAN cable - Cat. 5e - F/UTP - 4 pairs - LSOH - L. 500 m - LCS ²	32850	.....
LAN cable - Cat. 5e - U/UTP - 4 pairs - LSOH - L. 500 m - LCS ²	32853	.....
LAN cable - Cat. 5e - U/UTP - 2 x 4 pairs - LSOH - L. 500 m - LCS ²	32855	.....
LAN cable - Cat. 6 - F/UTP - 4 pairs - L. 500 m - Wt. 17 kg - LCS ²	32856	.....
LAN cable - Cat. 6 - SF/UTP - 2 x 4 pairs - L. 500 m - Wt. 52 kg - LCS ²	32859	.....
LAN cable - Cat. 6 - U/UTP - 4 pairs - L. 500 m - Wt. 18 kg - LCS ²	32861	.....
LAN cable - Cat. 6 - U/UTP - 2 x 4 pairs - L. 500 m - Wt. 38 kg - LCS ²	32863	.....
Cable for LANs - Cat.7 - S/FTP - 4 pairs - L. 500 m	32777	.....
Cable for LANs - Cat. 6A - F/UTP - 4 pairs - L. 500m	32778	.....
Cable for LANs - Cat.6 - U/UTP - 4 pairs - LSOH - L. 305 m	32754	.....
Cable for LANs - Cat.6 - F/UTP - 4 pairs - LSOH - L. 500 m	32756	.....
Cable for LANs - Cat.6 - SF/UTP - 4 pairs - LSOH - L. 500 m	32757	.....
Cable for LANs - Cat.6 - F/UTP - 2 x 4 pairs - LSOH - L. 500 m	32776	.....
Cable for LANs - Cat.5e - F/UTP - 2 x 4 pairs - LSOH - L. 500 m	32774	.....
Cable for LANs - Cat.5e - U/UTP - 4 pairs - LSOH - L. 305 m	32750	.....
Cords		
Patch cord RJ 45 - Cat. 6A - SF/UTP shielded - L. 1 m	51780	.....
Patch cord RJ 45 - Cat. 6A - SF/UTP shielded - L. 2 m	51781	.....
Patch cord RJ 45 - Cat. 6A - SF/UTP shielded - L. 3 m	51782	.....
Patch cord RJ 45 - Cat. 6A - SF/UTP shielded - L. 5 m	51783	.....
Patch cord RJ 45 - Cat.6 - SF/UTP shielded - L. 1 m	51752	.....
Patch cord RJ 45 - Cat.6 - SF/UTP shielded - L. 5 m	51755	.....
Patch cord RJ 45 - Cat.6 - F/UTP screened - L. 1 m	51762	.....
Patch cord RJ 45 - Cat.6 - F/UTP screened - L. 2 m	51763	.....
Patch cord RJ 45 - Cat.6 - F/UTP screened - L. 3 m	51764	.....
Patch cord RJ 45 - Cat.6 - F/UTP screened - L. 5 m	51765	.....
Patch cord RJ 45 - Cat.5e - F/UTP screened - L. 1 m	51640	.....
Patch cord RJ 45 - Cat.5e - F/UTP screened - L. 5 m	51643	.....
Patch cord RJ 45 - Cat.5e - F/UTP screened - L. 1 m	51640	.....
Cord for mixed/basic network RJ 45-RJ 45 - Cat.5e - F/UTP - L. 2 m	51641	.....
Cord for mixed/basic network RJ 45-RJ 45 - Cat.5e - F/UTP - L. 3 m	51642	.....
Patch cord RJ45 - Cat.5e - F/UTP screened - L. 5 m	51643	.....
Area distribution box		
Area distribution box to be equipped - Cat. 6A/6/5e - for connector block - LCS ²	33540	.....
Equipped area distribution box - Cat. 6 - UTP - 12-connector RJ 45 - LCS ²	33544	.....
Equipped area distribution box - Cat. 6 - FTP - 12-connectors RJ 45 - LCS ²	33545	.....
Equipped area distribution box - Cat. 6 - STP - 12-connectors RJ 45 - LCS ²	33546	.....

LIST OF ADDITIONAL PRODUCTS

List of **ADDITIONAL PRODUCTS**, quantity to be completed by the **INSTALLER** to receive a three (3) year extension of the warranty covering correct operation within the framework of the **20-YEAR PERFORMANCE WARRANTY**, provided that the channel or link covered by the warranty consists entirely of **LEGRAND** products.

DESCRIPTION	CAT.NOS	Quantity
LCS² cabinet		
Cabinet depth 400		
19" LCS ² fixed cabinet - IP20-IK08 - 6 U - 350x600x400 mm	46200	.....
19" LCS ² fixed cabinet - IP20-IK08 - 9 U - 500x600x400 mm	46201	.....
19" LCS ² fixed cabinet - IP20-IK08 - 12 U - 600x600x400 mm	46202	.....
19" LCS ² fixed cabinet - IP20-IK08 - 16 U - 800x600x400 mm	46203	.....
Cabinet depth 580		
19" LCS ² fixed cabinet - IP20-IK08 - 9 U - 500x600x580 mm	46206	.....
19" LCS ² fixed cabinet - IP20-IK08 - 12 U - 600x600x580 mm	46207	.....
19" LCS ² fixed cabinet - IP20-IK08 - 16 U - 800x600x580 mm	46208	.....
19" LCS ² fixed cabinet - IP20-IK08 - 21 U - 1000x600x580 mm	46209	.....
Cabinet depth 600		
19" LCS ² pivoting cabinet - IP20-IK08 - 9 U - 500x600x600 mm	46211	.....
19" LCS ² pivoting cabinet - IP20-IK08 - 12 U - 600x600x600 mm	46212	.....
19" LCS ² pivoting cabinet - IP20-IK08 - 16 U - 800x600x600 mm	46213	.....
19" LCS ² pivoting cabinet - IP20-IK08 - 21 U - 1000x600x600 mm	46214	.....
10" LCS ² mini cabinet - IP 20 - IK 08 - 6 U - 350x340x300 mm	46220	.....
LCS² rack		
Depth 600		
19" LCS ² rack - metal - 24 U - 1226x600x600 mm	46300	.....
19" LCS ² rack - metal - 29 U - 1448x600x600 mm	46306	.....
19" LCS ² rack - metal - 33 U - 1626x600x600 mm	46312	.....
19" LCS ² rack - metal - 42 U - 2026x600x600 mm	46318	.....
19" LCS ² rack - metal - 42 U - 2026x800x600 mm	46321	.....
19" LCS ² extension rack - metal - 42 U - 2026x600x600 mm	46330	.....
Depth 800		
19" LCS ² rack - metal - 42 U - 2026x600x800 mm	46319	.....
19" LCS ² rack - metal - 42 U - 2026x800x800 mm	46322	.....
19" LCS ² rack - metal - 47 U - 2248x800x800 mm	46328	.....
19" LCS ² extension rack - metal - 42 U - 2026x800x800 mm	46333	.....
Depth 1000		
19" LCS ² rack - metal - 42 U - 2026x800x1000 mm	46323	.....
19" LCS ² rack - metal - 47 U - 2248x800x1000 mm	46329	.....

LIST OF ADDITIONAL PRODUCTS (continued)

DESCRIPTION	CAT.NOS	Quantity
Cabinet accessories		
Fixed shelf - 1 U - depth 120 mm - for 10" LCS ² cabinet	46223	.....
Power supply unit 230 VA - 4 x 2P+E - for 10" LCS ² cabinet	46224	.....
Power supply unit for equipping with Mosaic 2P+E sockets - 8 mod - 10" LCS ² cabinet	46225	.....
Cable entry plate with brushes - for LCS ² pivoting cabinets	46255	.....
Fan - 230 VA - heat management for 19" LCS ² cabinets	46260	.....
Castors (4) - for fitting on 19" LCS ² pivoting cabinets	46264	.....
Rack accessories		
Cabling unit - for 19" LCS ² racks depth 600 mm - LCS ²	46334	.....
Cabling unit - for 19" LCS ² racks depth 800 mm - LCS ²	46335	.....
Joining kit for 2 x 600 mm deep LCS ² racks - LCS ²	46337	.....
Joining kit for 2 x 800 mm deep LCS ² racks - LCS ²	46338	.....
Joining kit for 2 x 1000 mm deep LCS ² racks - LCS ²	46339	.....
Plinth kit - H. 100 mm - for 600 m width LCS ² racks - opening on all 4 sides - LCS ²	46450	.....
Plinth kit - H. 100 mm - for 800 m width LCS ² racks - opening on all 4 sides - LCS ²	46451	.....
Plinth kit - H. 200 mm - for 600 m width LCS ² racks - opening on all 4 sides - LCS ²	46452	.....
Plinth kit - H. 200 mm - for 800 m width LCS ² racks - opening on all 4 sides - LCS ²	46453	.....
Solid side trap (2) - H. 100 mm - for 600 mm depth rack - LCS ²	46454	.....
Solid side trap (2) - H. 100 mm - for 800 mm depth rack - LCS ²	46456	.....
Solid side trap (2) - H. 100 mm - for 1000 mm depth rack - LCS ²	46458	.....
Ventilated trap - H. 100 mm - for racks width/depth 600 mm - LCS ²	46460	.....
Ventilated trap - H. 100 mm - for racks width/depth 800 mm - LCS ²	46461	.....
Trap with brushes - H. 100 mm - for racks width/depth 600 mm - LCS ²	46462	.....
Trap with brushes - H. 100 mm - for racks width/depth 800 mm - LCS ²	46463	.....
Plinth for cabling units Cat.Nos 463 34/35 - LCS ²	46464	.....
Linking interface for 600 mm deep LCS ² rack - LCS ²	46466	.....
Support for holding cables (2) - for racks width/depth 600 mm - LCS ²	46472	.....
Support for holding cables (2) - for racks width/depth 800 mm - LCS ²	46473	.....
Support for holding cables (2) - for racks width/depth 1000 mm - LCS ²	46474	.....
Flat cable guide - width 250 mm - for 33 U rack - LCS ²	46476	.....
Flat cable guide - width 250 mm - for 42 U rack - LCS ²	46477	.....
Patch extension upright (2) - for 19" racks 42 U - width 800 mm - LCS ²	46481	.....
Castors (4) - for fitting on LCS ² racks	46483	.....
Lighting kit - 230 VA - for LCS ² racks	46485	.....
19" plate - 3 U - with two 230 VA fans - heat management of racks - LCS ²	46487	.....
19" plate - 3 U - with three 230 VA fans - heat management of racks - LCS ²	46488	.....
Cable guide ring - 1 U - usable cross-section 1890 m ² - plastic - LCS ²	46541	.....
Cable guide ring - 2 U - usable cross-section 4070 m ² - plastic - LCS ²	46542	.....
DIN rail kit IP 2X - for fitting Lexic equipment - for LCS ² and Altis racks	46545	.....
Linking bar - for metal Altis enclosures width/depth 600 mm	47693	.....
Linking bar - for metal Altis enclosures width/depth 800 mm	47694	.....
19" uprights (2) - 42 U - for Altis enclosures - LCS ²	48220	.....
Thermostat - for 19" XL-VDI-LCS ² cabinet/enclosure - 5 to 60 °C - 12 to 250 VA	34848	.....
Bag of 50 x 8.5 mm cage nuts/plastic washers/M6 screws - LCS ²	36453	.....
Bag of 50 x 9.5 mm cage nuts/plastic washers/M6 screws - LCS ²	36454	.....
19" power supply unit - 230 VA - 6 x 2P+E + 2P 16 A MCB - LCS ²	33237	.....

LIST OF ADDITIONAL PRODUCTS (continued)

DESCRIPTION	CAT.NOS	Quantity
19" power supply unit - 230 VA - 6 x 2P+E + voltage surge protector + switch with indicator light - LCS ²	33278	.....
19" power supply unit - 230 VA - to be equipped - takes 16 Mosaic modules - LCS ²	33279	.....
19" power supply unit - 230 VA - 6 x 2P+E with switch with indicator light - LCS ²	33288	.....
19" power supply unit - 230 VA - 6 x 2P+E tamperproof for UPS - LCS ²	33287	.....
Feedthrough panels 19		
19" feedthrough panel - 1 U - 2 axes - metal - LCS ²	46522	.....
19" feedthrough panel - 2 U - 2 axes - metal - LCS ²	46523	.....
19" feedthrough panel - 1 U - with brushes - for fitting on LCS ² racks - plastic	46528	.....
19" feedthrough panel - 2 U - with brushes - for fitting on LCS ² racks - plastic	46529	.....
19" feedthrough panel - 1 U - with brushes - for fitting on LCS ² racks - metal	46530	.....
19" feedthrough panel - 2 U - with brushes - for fitting on LCS ² racks - metal	46531	.....
Feedthrough panel (2) - for 19" racks 42 U - width 800 mm - vertical - LCS ²	46480	.....
Blanking plates		
19" blanking plate - 1 U - solid - for fitting on LCS ² racks - plastic	46532	.....
19" blanking plate - 2 U - solid - for fitting on LCS ² racks - plastic	46533	.....
19" blanking plate - 1 U - solid - for fitting on all racks - metal - LCS ²	46538	.....
19" blanking plate - 2 U - solid - for fitting on all racks - metal - LCS ²	46539	.....
19" blanking plate - 3 U - solid - for fitting on all racks - metal - LCS ²	46540	.....
Shelves		
Fixed shelf - H. 2 U - for LCS ² racks and cabinets - depth 115 mm - LCS ²	46500	.....
Fixed shelf - H. 2 U - for LCS ² racks and cabinets - depth 200 mm - LCS ²	46501	.....
Fixed shelf - H. 2 U - for LCS ² racks and cabinets - depth 360 mm - LCS ²	46502	.....
Fixed shelf - depth 450 mm - 19" uprights (4) - for 600 mm deep racks - LCS ²	46505	.....
Fixed shelf - depth 650 mm - 19" uprights (4) - for 800 mm deep racks - LCS ²	46506	.....
Fixed shelf - depth 850 mm - 19" uprights (4) - for 1000 mm deep racks - LCS ²	46507	.....
Telescopic shelf - depth 450 mm - 19" uprights (4) - for 600 mm deep racks - LCS ²	46508	.....
Telescopic shelf - depth 650 mm - 19" uprights (4) - for 800 mm deep racks - LCS ²	46509	.....
Telescopic shelf - depth 650 mm - 19" uprights (4) - for 1000 mm deep racks - LCS ²	46510	.....
Fixed slides (2) - 19" uprights (4) - for 600 mm deep racks - LCS ²	46511	.....
Fixed slides (2) - 19" uprights (4) - for 800 mm deep racks - LCS ²	46512	.....
Fixed slides (2) - 19" uprights (4) - for 1000 mm deep racks - LCS ²	46513	.....