



Guaranteed flexibility

With LCS mixed patch panels you can patch copper and optical fibre cables on the same panel
 These modular panels provide perfect flexibility for installations



- > Assembled or non-assembled panels, plain or with feedthrough function
- > Mixed: take LCS copper units, LCS optical fibre units, telephone units, TV units, switches, etc.
- > From 1 to 3 U up to 72 RJ 45 connectors
- > 3 versions: STP, FTP, UTP
- > 3 network levels: 10 Giga, cat. 6 and cat. 5e

LCS Legrand cabling system equipped panels



327 23



327 09

Supplied with screws
 Tool-less connection
 Connectors with contact marking using 568 A and B
 Automatic earthing of each connector to FTP and STP system
 Supplied with Colring cable ties
 Conforming to ISO/IEC ed.2, EN 50173-1 and EIA/TIA 568 standards PM 06 test adaptor from Fluke Networks required

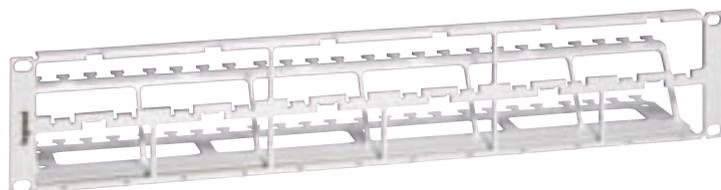
Pack	Cat.Nos	Equipped patch panels
1	327 23	Equipped with 24 RJ 45 connectors 10 Giga STP - 1 U - 9 contacts Cat. 6 Conform to EIA/TIA 568 B. 2-1 de-embedded tests: interoperable and downward compatible components
1	327 02	STP - 1 U - 9 contacts with folded metal shielding
1	327 01	FTP - 1 U - 9 contacts
1	327 00	UTP - 1 U - 8 contacts Cat. 5e Conform to EIA/TIA 568 B. 2-1 de-embedded tests: interoperable and downward compatible components
1	327 22	STP - 1 U - 9 contacts
1	327 21	FTP - 1 U - 9 contacts
1	327 20	UTP - 1 U - 8 contacts
Equipped panels for telephone networks		
1	327 09	Equipped with 48 RJ 45 connectors UTP Contacts 4-5 / 7-8
1	327 05	UTP for digital network Contacts 3-6 / 4-5

LCS Legrand cabling system

patch panels to be equipped



327 91



327 92

LCS Legrand cabling system

units for panels to be equipped



327 35



327 08



327 17



517 41

Pack	Cat.Nos	Patch panels to be equipped
		<p>Panels for self-assembly</p> <p>Empty panels for self-assembly</p> <p>Take fast connection connectors, no tool required:</p> <ul style="list-style-type: none"> • units for patch connection • units for incoming telephone lines • fibre optic units • PoE injectors • units for video system • switch units with 4 and 1 ports • telephone/Ethernet doubling units • copper/fibre optic converter • blanking plates <p>The panels provide automatic earthing of each connector to FTP and STP system</p> <p>Conforming to EIA/TIA 568 B.2-1 de-embedded tests: interoperable and downward compatible components</p>
		<p>With feedthrough panel</p>
1	327 93	FTP/STP - 2 U - 24 RJ 45 connectors
1	327 97	FTP/STP - 3 U - 48 RJ 45 connectors
1	327 91	UTP - 2 U - 24 RJ 45 connectors
1	327 95	UTP/STP - 3 U - 48 RJ 45 connectors
		<p>Plain</p>
1	327 07	FTP/STP - 1 U - 24 RJ 45 connectors
1	327 92	FTP/STP - 2 U - 48 RJ 45 connectors
1	327 96	FTP/STP - 3 U - 72 RJ 45 connectors
1	327 06	UTP - 1 U - 24 RJ 45 connectors
1	327 90	UTP - 2 U - 48 RJ 45 connectors
1	327 94	UTP - 3 U - 72 RJ 45 connectors

NEW

Pack	Cat.Nos	Patch units
3	327 35	10 Giga - 4 RJ 45 connectors STP
3	327 12	Cat. 6 - 4 RJ 45 connectors STP
3	327 11	FTP
3	327 10	UTP
3	327 32	Cat. 5e - 4 RJ 45 connectors STP
3	327 31	FTP
3	327 30	UTP
		<p>Telephone units</p>
3	327 04	8 RJ 45 connectors 3-6/4-5 contacts
3	327 08	4-5/7-8 contacts
		<p>Telephone/Ethernet units</p>
1	327 71	4 RJ 45 connectors for telephone/Ethernet for flush-mounting double sockets FTP - 9 contacts
1	327 72	UTP - 8 contacts
		<p>Optical fibre units</p>
		<p>Clip directly into the optical fibre drawer or into patch panels via the fibre optic cassette (Cat.No 327 26)</p> <p>Supplied with label holder</p>
		<p>Singlemode optical fibre units (9/125 µm)</p>
1	327 82	SC unit for 4 singlemode fibres
1	327 84	High density LC unit for 6 singlemode fibres
		<p>Multimode optical fibre units (62.5 et 50/125 µm)</p>
1	327 28	ST unit for 4 multimode fibres
1	327 29	SC unit for 4 multimode fibres
1	327 36	LC unit for 4 multimode fibres
1	327 85	High density LC unit for 6 multimode fibres
		<p>Power over Ethernet (PoE) injectors</p>
1	327 37	1 input/1 output For supply of one access point Direct connection on the patch panel
1	327 17	2 input/2 outputs For simultaneous supply of 2 access points
		<p>Blanking plugs and plates</p>
10	517 40	Set of 12 x 1 port blanking plugs - white
10	517 41	Set of 12 x 1 port blanking plugs - black
10	327 25	Blanking plate

NEW

LCS Legrand cabling system

Mosaic RJ 45 sockets



742 44



742 45

Conforming to ISO/IEC ed. 2 - EN 50173-1 and EIA/TIA 568 standards
 Fast connection sockets - no tool required
 Contacts marked with dual colour code 568 A and B and number
 Connectors with insulation displacement contacts
 Possible to re-wire in the event of an error
 Multidirectional cable entry enables installation in shallow trunking, 34 mm for UTP and FTP connectors, 50 mm for STP
 Take RJ 45, RJ 12 or RJ 11 plugs with no distortion of the contacts
 For acceptance testing with Fluke testers, use the PM06 test head

Pack Cat. Nos 10 Giga

Pack	Cat. Nos	10 Giga
		STP
		9 contacts, folded metal shielding
10	742 44	1 module
10	742 45	2 modules

Cat. 6

Conform to EIA/TIA 568 B. 2-1 de-embedded tests: interoperable and downward compatible components

Pack	Cat. Nos	STP
		9 contacts, folded metal shielding
10	742 93	1 module
10	742 94	2 modules
10	742 87	2 modules, installation at 90°
		9 contacts, zamak shielding
10	742 95	2 modules
		FTP
		9 contacts
10	742 90	1 module
10	742 91	2 modules
10	742 92	2 modules, installation at 90°
		UTP
		8 contacts
10	742 80	1 module
10	742 81	2 modules

Cat. 5e

Conform to EIA/TIA 568 B. 2-1 de-embedded tests: interoperable and downward compatible components

Pack	Cat. Nos	STP
		9 contacts
10	742 83	1 module
10	742 84	2 modules
		FTP
		9 contacts
10	742 88	1 module
10	742 89	2 modules
		UTP
		8 contacts
10	742 85	1 module
10	742 86	2 modules

Coloured label holders

Pack	Cat. Nos	STP
		5 red and 5 green
1	742 89	1 module
1	742 88	2 modules

LCS Legrand cabling system

Wi-Fi access points

NEW



742 51



327 39

Provide a wireless access to an Ethernet network: use for a printer, exchange data with other computers or access the Internet, from any computer equipped with an external Wi-Fi or standard Wi-Fi compatible (Intel® Centrino) card, without being connected to an RJ 45 socket
 Comes in addition to new or existing LCS structured cabling for installation in areas where a number of people connect temporarily (example: conference room) and/or to meet the needs of mobile working
 The installation must include at least:
 - One Mosaic access point to be installed in place of or in addition to an RJ 45 socket, in trunking, columns or flush-mounting boxes
 - One Power over Ethernet injector (LCS unit format) to be installed in patch panels (p. 791)



Installation principles (p. 800)
 Technical characteristics (p. 800)

Pack Cat. Nos Mosaic access points for Wi-Fi

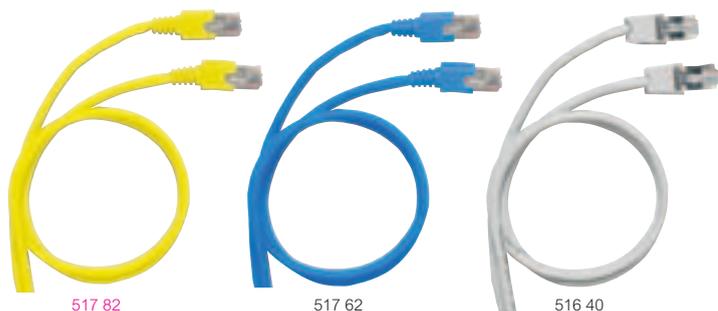
Pack	Cat. Nos	Mosaic access points for Wi-Fi
		Size: 4 modules, for installation in flush-mounting box, on trunking, column, mini-column, etc Identical connection as for a RJ 45 sockets 48 V supply via PoE Security via WPA2 encryption (802.11i) and authentication (802.1x) Supplied with a configuration CD of access point
1	742 51	4 mod. Standard 802.11a and 802.11b/g dual band dual radio Equipped with an RJ 45 socket on the front panel Data rate: 54 Mbps max. on each frequency (802.11a and 802.11g)
1	742 48	Standards 802.11a and 802.11b/g dual band dual radio Data rate: 54 Mbps max. on each frequency (802.11a and 802.11g)
1	742 47	Standards 802.11 b/g Data rate: 54 Mbps max.

Power over Ethernet (PoE) injectors

Pack	Cat. Nos	Power over Ethernet (PoE) injectors
		Provide 48 V supply for 1 to 12 Wi-Fi access points via 4 twisted pair cable
1	327 37	1 input/1 output For supply of one access point Direct connection on the patch panel
1	327 17	2 inputs/2 outputs For simultaneous supply of 2 access points
1	327 38	6 inputs/6 outputs (19" panel format) For simultaneous supply of 6 access points
1	327 39	12 inputs/12 outputs (19" panel format) For simultaneous supply of 12 access points

LCS Legrand cabling system

patch cords and user cords



Technical characteristics (p. 799)

RJ 45 - RJ 45 straight
Conform to standards ISO 11801 ed. 2.0, EN 50173-1 et EIA/TIA 568

Patch cords and user cords RJ 45 10 G base T

Pack	Cat.Nos	
		Yellow RAL 7018
		SF/UTP (previously STP) shielded, impedance 100 Ω LSZH
5	517 80	Length 1 m
5	517 81	Length 2 m
5	517 82	Length 3 m
5	517 83	Length 5 m

Patch cords and user cords RJ 45 cat. 6

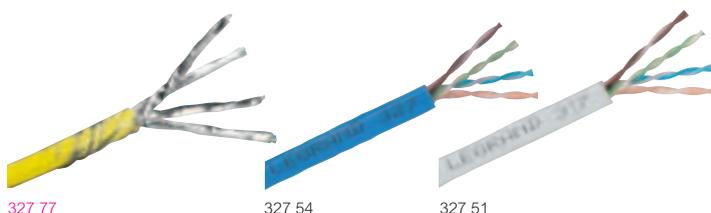
Pack	Cat.Nos	
		Blue RAL 5015
		U/UTP (previously UTP) unshielded, impedance 100 Ω PVC
5	517 72	Length 1 m
5	517 73	Length 2 m
5	517 74	Length 3 m
5	517 75	Length 5 m
		F/UTP (previously FTP) screened, impedance 100 Ω LSZH
5	517 62	Length 1 m
5	517 63	Length 2 m
5	517 64	Length 3 m
5	517 65	Length 5 m
		SF/UTP (previously SFTP) shielded, impedance 100 Ω LSZH
5	517 52	Length 1 m
5	517 53	Length 2 m
5	517 54	Length 3 m
5	517 55	Length 5 m

Patch cords and user cords RJ 45 cat. 5

Pack	Cat.Nos	
		Grey RAL 7035
		Special lengths of cords on request
		U/UTP (previously UTP) unshielded, impedance 100 Ω PVC
5	516 36	Length 1 m
5	516 37	Length 2 m
5	516 38	Length 3 m
5	516 39	Length 5 m
5	516 90	Length 30 cm
5	517 45	Length 60 cm
		F/UTP (previously FTP) unshielded, impedance 100 Ω LSZH
5	516 40	Length 1 m
5	516 41	Length 2 m
5	516 42	Length 3 m
5	516 91	Length 30 cm
5	517 17	Length 60 cm
		SF/UTP (previously SFTP) shielded, impedance 100 Ω PVC
5	516 85	Length 60 cm

LCS Legrand cabling system

cables



Technical characteristics (p. 799)

4 twisted pair cables 100 ohms
Conform to standards ISO/IEC 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568
EIA/TIA colour code

Pack	Cat.Nos	
		Cable for cat. 7 and 10 Giga local area networks
		LSZH sleeve: zero halogen Yellow RAL 7018
500 ⁽¹⁾	327 77	Cat. 7 - S/FTP (previously SSTP) - 4 pairs Performance 600 MHz Length 500 m Supplied on reel Weight 25 kg
500 ⁽¹⁾	327 78	10 Giga - F/UTP (previously FTP) - 4 pairs Performance 500 MHz Length 500 m Supplied on reel Weight 25 kg

Pack	Cat.Nos	
		LAN cables cat. 6
		PVC sleeve: flame retardant LSZH sleeve: zero halogen Cable: blue RAL 5015
305 ⁽¹⁾	327 55	U/UTP (previously UTP) - 4 pairs Length 305 m Supplied on reel Weight 16 kg
500 ⁽¹⁾	327 75	U/UTP (previously UTP) - 2 x 4 pairs Length 500 m Supplied on reel Weight 38 kg
500 ⁽¹⁾	327 58	F/UTP (previously FTP) - 4 pairs Length 500 m Supplied on reel Weight 25 kg
500 ⁽¹⁾	327 76	F/UTP (previously FTP) - 2 x 4 pairs Length 500 m Supplied on reel Weight 48 kg
500 ⁽¹⁾	327 59	SF/UTP (previously SFTP) - 4 pairs Length 500 m Supplied on reel Weight 29 kg

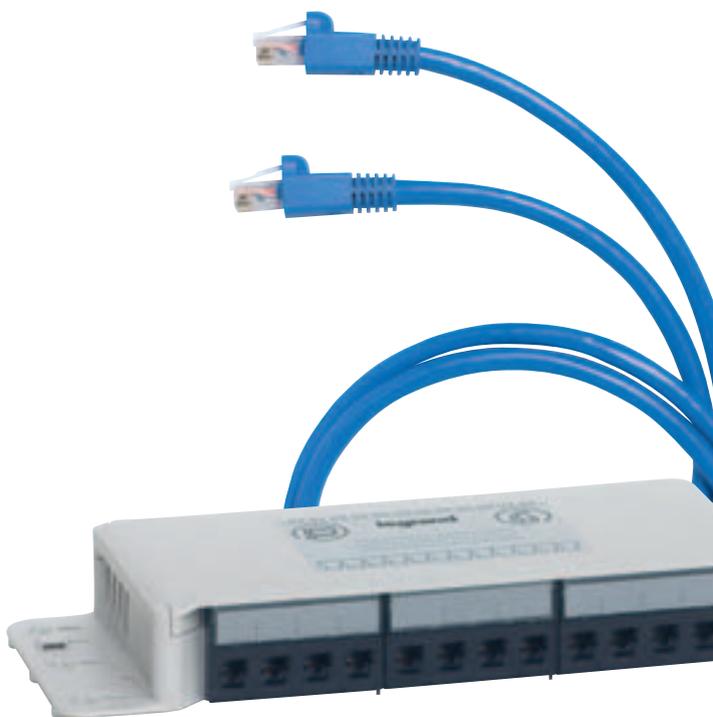
Pack	Cat.Nos	
		LAN cables cat. 5e
		PVC sleeve: flame retardant LSZH sleeve: zero halogen Cable: grey RAL 7035 - EIA/TIA colour code
305	327 51	U/UTP (previously UTP) - 4 pairs Length 305 m Supplied in cardboard box Weight 10 kg
500 ⁽¹⁾	327 73	U/UTP (previously UTP) - 2 x 4 pairs Length 500 m Supplied on reel Weight 29 kg
500 ⁽¹⁾	327 53	F/UTP (previously FTP) - 4 pairs Length 305 m Supplied in cardboard box Weight 12 kg
500 ⁽¹⁾	327 74	F/UTP (previously FTP) - 2 x 4 pairs Length 500 m Supplied on reel Weight 38 kg

(1) Number of metres contained in the package



Speedy connection for low currents

Connect area distribution boxes to rear pluggable RJ 45 socket quickly using a single RJ 45/RJ 45 cord



- > Perfect solution for flexible installation with lines in reserve to meet future requirements quickly
- > Speedy installation and maintenance
- > Safe connection with the RJ 45/RJ 45 link
- > Guaranteed performance across the whole LCS system

LCS Legrand cabling system

area distribution boxes

NEW



327 61



327 65



327 67



Installation principles (p. 799)
Technical characteristics (p. 799)

Used for low current distribution in an area with 1 to 12 RJ 45 sockets, and centralize the connections to provide total flexibility and adaptability of the installation

For installation in false ceilings or false floors

For connection to the patch panel or floor cabinet via 8 or 12 links maximum

The power is supplied to a socket on the workstation very easily using:

- A mixed cord specifically for connection to an RJ 45 socket
- A standard cord specific for connection to a rear pluggable RJ 45 socket

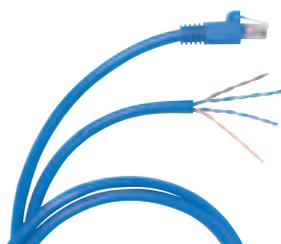
Conforming to standards ISO/IEC 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568
EIA/TIA 568 A and B colour code

Pack	Cat.Nos	Self-assembly area distribution box
1	327 61	For mounting RJ 45 connector units Cat. Nos 327 30 and 327 31 or blanking plate Cat. No. 327 25
Area distribution boxes with connectors		
Fitted with RJ 45 blanking plugs Supplied with Colring cable ties The boxes with 8 connectors enable configuration with up to 12 links by replacing the blanking plate with a block of four RJ 45 connectors (Cat. Nos 327 10/11/30/31 p. 791)		
Cat. 6		
1	327 65	With 8 RJ 45 cat. 6 - FTP connectors
1	327 69	With 12 RJ 45 cat. 6 - FTP connectors
1	327 64	With 8 RJ 45 cat. 6 - UTP connectors
1	327 68	With 12 RJ 45 cat. 6 - UTP connectors
Cat. 5e		
1	327 63	With 8 RJ 45 cat. 5e - FTP connectors
1	327 67	With 12 RJ 45 cat. 5e - FTP connectors
1	327 62	With 8 RJ 45 cat. 5e - UTP connectors
1	327 66	With 12 RJ 45 cat. 5e - UTP connectors

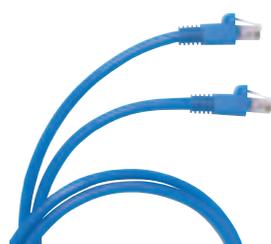
NEW

LCS Legrand cabling system

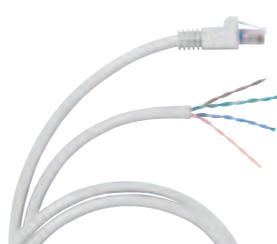
specific cords for area distribution boxes and rear pluggable RJ 45 sockets



517 57



515 13



517 90



515 03

Pack	Cat.Nos	Cat. 6 - RJ 45/stripped
		RJ 45 - straight stripped Clip into area distribution boxes and are used for connection to the LCS connector via the stripped side (cord prepared in factory, "ready for wiring"), conforming to standards ISO/IEC 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568 Manual connection to RJ 45 Mosaic sockets
	Blue RAL 5015	Screened F/UTP, impedance 100 Ω PVC
1/4	517 96	Length 8 m
1/4	517 97	Length 15 m
1/4	517 98	Length 20 m
		Unscreened U/UTP, impedance 100 Ω PVC
1/4	517 57	Length 8 m
1/4	517 58	Length 15 m
1/4	517 59	Length 20 m

Pack	Cat.Nos	Cat. 5e - RJ 45/stripped
		RJ 45 - straight stripped Clip into area distribution boxes and are used for connection to the LCS connector via the stripped side (cord prepared in factory, "ready for wiring"), conforming to standards ISO/IEC 11801 ed. 2.0, EN 50173-1 and EIA/TIA 568 Manual connection to RJ 45 Mosaic sockets
	Grey RAL 7035	Screened F/UTP, impedance 100 Ω PVC
1/4	517 93	Length 8 m
1/4	517 94	Length 15 m
1/4	517 95	Length 20 m
		Unscreened U/UTP, impedance 100 Ω PVC
1/4	517 90	Length 8 m
1/4	517 91	Length 15 m
1/4	517 92	Length 20 m

Pack	Cat.Nos	Cat. 6 - RJ 45/RJ 45
		For direct connection via RJ 45 male plug to the area distribution box and to rear pluggable RJ 45 socket to ensure: - Safe connection - Fast and reliable connection
	Blue RAL 5015	Screened F/UTP, impedance 100 Ω LSZH
1/4	515 13	Length 8 m
1/4	515 14	Length 15 m
1/4	515 15	Length 20 m
		Unscreened U/UTP, impedance 100 Ω LSZH
1/4	515 10	Length 8 m
1/4	515 11	Length 15 m
1/4	515 12	Length 20 m

Pack	Cat.Nos	Cat. 5e - RJ 45/RJ 45
		For direct connection via RJ 45 male plug to the area distribution box and to rear pluggable RJ 45 socket to ensure: - Safe connection - Fast and reliable connection
	Grey RAL 7035	Screened F/UTP, impedance 100 Ω LSZH
1/4	515 03	Length 8 m
1/4	515 04	Length 15 m
1/4	515 05	Length 20 m
		Unscreened U/UTP, impedance 100 Ω LSZH
1/4	515 00	Length 8 m
1/4	515 01	Length 15 m
1/4	515 02	Length 20 m

Pack	Cat.Nos	Rear pluggable RJ 45 sockets - white
		For use with area distribution boxes system Connection to boxes via RJ 45-RJ 45 cords Used to create Cat. 6 and Cat 5e links in accordance with standards ISO 11801 ed.2.0, EN 50173-1 and EIA/TIA 568 B2 Multi-directional cable entry Can be installed in all supports minimum depth 40 mm
	2 mod.	Cat. 6 - FTP
10	742 19	9 contacts
		Cat. 6 - UTP
10	742 18	8 contacts
		Cat. 5 - FTP
10	742 09	9 contacts
		Cat. 5 - UTP
10	742 08	8 contacts

The 20-year Legrand guarantee applies in all cases where the complete Legrand system is used: box + cord + rear pluggable RJ 45 socket

110 Connect cabling system

cat. 6 and cat. 5e panels



6339 85



6339 90



332 50

110 Connect cabling system

cat. 6 and cat. 5e sockets



742 96



742 97

110 connect sockets and panels require the use of an impact tool to make the connections
This tool inserts the wire in the contact and cuts off the excess when done

Pack	Cat.Nos	Equipped 19" panels - 110 connect cat. 6 - 1 U
1	6339 85	18 RJ - UTP

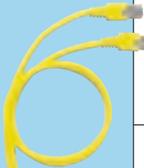
Pack	Cat.Nos	19" panels to be equipped - 110 connect cat. 6 - 1 U
1	327 06	For mounting 6 units of 3 RJ 45 connectors or 4 connector units and optical fibre cassette Cat.No 327 26 and media convertor Cat.No 332 76 For UTP connector units
3	6339 90	Unit for above patch panel 3 RJ, UTP

Pack	Cat.Nos	Equipped 19" panels - 110 connect cat. 5e - 1 U
1	332 50	Connection using 110 connector Panel with built-in cable support With label holder front and back Supplied complete with fixing and connectors equipped. Accept RJ 45 patch cords (p. 793) RJ 45 panels without screen (UTP) EIA 568 A 24 RJ 1 U 8 contacts cat. 5
1	332 51	EIA 568 B 24 RJ 1 U 8 contacts cat. 5

Pack	Cat.Nos	Cabling tool 110 connect
1	332 60	For connecting sockets and patch panels fitted insulation displacement connectors terminals, type 110 Cabling tool 110 supplied with blade
5	332 61	Spare blades for 110

Pack	Cat.Nos	RJ 45 sockets - 110 connect - Cat. 6
		RJ 45 without screen (UTP)
10	6339 80	1 module
10	6339 81	2 modules

Pack	Cat.Nos	RJ 45 sockets - 110 connect - Cat. 5e
		Accept plugs Connection using cabling tool 110 connect Transparent label holder
		RJ 45 without screen (UTP)
		8 contacts
10	742 13	1 module
10	742 14	2 modules
		RJ 45 screened FTP
		9 contacts
10	742 63	1 module
10	742 64	2 modules
		RJ 45 shielded STP
		9 contacts
10	742 96	1 module
10	742 97	2 modules



Lan cables and cords

see p. 793

110 Cross Connect System

blocks and patch cords cat. 6

NEW cat. 6

LCS Legrand cabling system accessories



6339 70



517 04



517 06



332 62

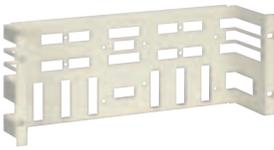


6339 72



327 60

6339 29



6339 73



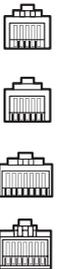
517 09

Pack	Cat.Nos	Block kits
		<ul style="list-style-type: none"> • block connection • 110C connecting blocks • includes base wiring block • label holders for designation
		With legs
1	6339 24	48-pair in 50-pair footprint
1	6339 25	96-pair in 100-pair footprint
1	6339 26	288-pair in 300-pair footprint
		Without legs
1	6339 27	48-pair in 50-pair footprint
1	6339 28	96-pair in 100-pair footprint
1	6339 29	288-pair in 300-pair footprint

Pack	Cat.Nos	Patch cords
		110/110 - 4 pairs
10	6339 12	Length 1 m (3 feet)
10	6339 13	Length 1.5 m (5 feet)
10	6339 14	Length 3 m (9 feet)
		110/RJ 45 - 4 pairs
10	6339 15	Length 1 m (3 feet)
10	6339 16	Length 1.5 m (5 feet)
10	6339 17	Length 3 m (9 feet)

Pack	Cat.Nos	Accessories
		Designation Labeling Kits
5	6339 68	Package of two clear strips and white paper
		Rivets
1	6339 71	Rivets (package of 12)
		110 jumper Troughs
1	6339 69	With legs, 10.75" x 2.69" x 4.69"
1	6339 70	Without legs, 8.5" x 2.69" x 2.69"
		19" Rack Mount 110 Panel
1	6339 72	Panel for two 100-pair blocks without legs, 2 U
1	6339 73	Panel for two 100-pair blocks and two troughs without legs, 4 U

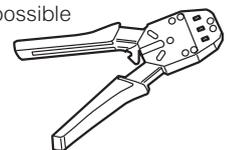
Pack	Cat.Nos	RJ plugs for round section cables
		Contacts with 1.2 µm gold plating
		RJ 11
50	517 01	4 contacts, width 9.65 mm
		RJ 12
50	517 02	6 contacts, width 9.65 mm
		RJ 45
50	517 03	8 contacts, width 11.70 mm
		RJ 45
50	517 04	9 contacts, width 11.70 mm
		RJ 45 sleeves
50	517 06	Black
50	517 07	White



Pack	Cat.Nos	Tools
		Splits the sheath and frees the conductors by rotation For twisted pair cables Does not damage the conductors
1	332 62	Stripping tool For twisted pair and optical fibre cables
1	327 60	Wire cutters Cut wires cleanly without damaging the copper



Pack	Cat.Nos	Crimping tool for RJ 45 plugs
		For crimping RJ plugs with 4/6/8/9 contacts Click type crimping control Cable cutting and stripping possible
1	517 09	3-step crimping pliers High-strength steel matrix



LCS Legrand cabling system

switches and distribution blocks



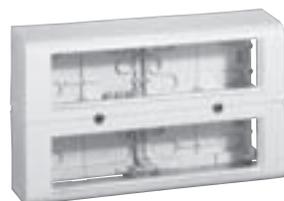
332 93



332 91



332 81



332 80



742 02



Technical characteristics (p. 799)

Pack	Cat.Nos	Ethernet 10/100 base T switches
		Conforming to standards IEE E 802-3, EN 500 81-1 and EN 500 82-1 (conformity to EMC requirements) Equipped with operating indicator for identification of network problems and traffic Speed up to 100 Mbps per port
		Units
1	332 93	Switch with 5 x RJ 45 STP ports, for placing on shelf Power supply with transformer provided Dim.: 116 x 70 x 25 mm
1	332 91	Switch with 8 x RJ 45 STP ports, for placing on shelf Power supply with transformer provided Dim.: 171 x 98 x 29 mm
		Mini-shelf
1	332 81	For the above switches Dim: 220 x 220 x 43 mm For horizontal, vertical or projecting mounting of the switch Supplied with system for retaining the live products

1	327 13	Ethernet 10/100 base T switch unit Switch unit with 4+1 RJ 45 10/100 Mbps ports For networking 4 data applications Equipped with 1 cascade port for extension (only in cabinet Cat. No. 329 12)
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1	332 80	Mosaic VDI distribution block without connectors 16 modules Dim.: 135 x 223 x 57 mm For small patch panel For mounting a Mosaic switch-line Cat. No. 742 74/75/78
		RJ 45 patch cords
5	516 91	FTP, length 30 cm
5	517 17	FTP, length 60 cm



Pack	Cat.Nos	Flush-mounting Ethernet 10/100 base T switches
		For networking computer peripherals (computers, printers, servers, etc) without a patch panel Require the use of Ethernet 10/100 base T network cards on the peripherals for 10/100 Mbps data exchanges Possible to extend an existing network by simply replacing a RJ 45 socket Voltage power indicator on the front panel Easy, secure access to the Reset function Conforming to standards IEE E 802.3 (Ethernet) and EN 500 81/82-2 (EMC requirements) For installation in all supports depth 40 mm minimum Equipped with:
		<ul style="list-style-type: none"> • 6 ports on front panel + 1 RJ 45 connector on the side for wiring and carrying out testing of the link • No tools required for connection • Port status display integrated in the RJ 45 connectors • Support of the total forwarding capacity on all ports • Integrated marker-holder for identification of the switch • Marking of ports from 1 to 6
		Non-manageable
1	742 02	230 V power supply
1	742 04	PoE power supply
		Manageable
1	742 01	230 V power supply

NEW

LCS Legrand cabling system

Compliance of the LCS systems with standards and certifications

The LCS¹⁰ Giga, LCS⁶ and LCS⁵ systems and components (de-embedded) conform to current standards:

- EIA/TIA 568
- EN 50173
- ISO/IEC IS 11801

and are certified by the 3P independent laboratory, a reference body on the subject



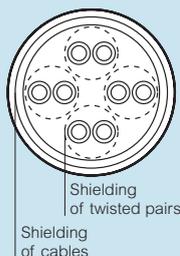
Main characteristics of the LCS systems

	LCS ¹⁰ Giga	LCS ⁶	LCS ⁵
Frequency	500 MHz	250 MHz	100 MHz
Speed	10 Gbp/s	1 Gbp/s	1 Gbp/s
Wiring	FO/Copper	Copper/FO	Copper
Connectors	RJ 45/SC-LC...	RJ 45/SC-LC...	RJ 45
Max. cable length	100 m/variable	100 m/variable	100 m

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

They correspond to:

Type of cable		Cable shielding	Shielding of twisted pairs
old designation	new		
SSTP	S/FTP	S: screen made of a metal braid	F: screen formed of an aluminium polyester ribbon
SFTP	SF/UTP	SF: combination of ribbon + braid	U: no screen
STP	U/FTP	U: no screen	F: screen formed of an aluminium polyester ribbon
FTP	F/UTP	F: screen formed of an aluminium polyester ribbon	U: no screen
UTP	U/UTP	U: no screen	U: no screen



Area distribution boxes

Compliance with standards:

- Area distribution boxes: EIA/TIA 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, EIA/TIA 568

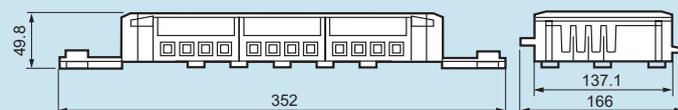
General characteristics:

- 8 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 data and telephone lines

Technical characteristics:

- Material: Cover polycarbonate PC
 Base polypropylene PP
- Colour: RAL 7035
- Weatherproofing protection index: IP 21
- Mechanical shock protection index: IK 07
- Withstand of the connector units on the box: 100 N
- Cables anchored on support using Colring cable ties

Dimensions



Performance

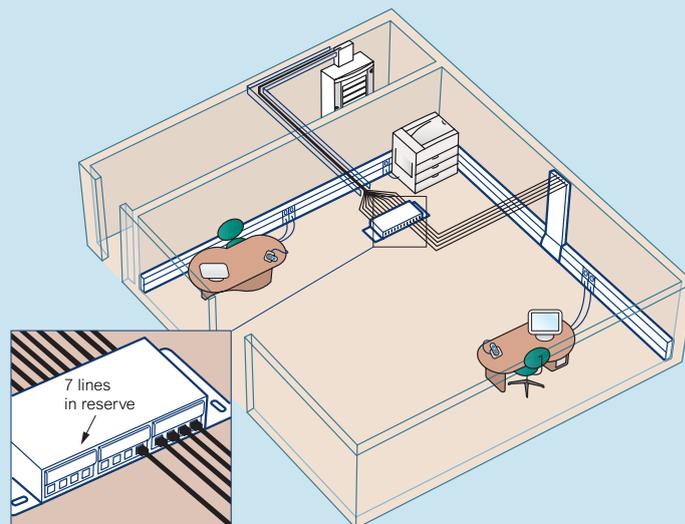
Maximum recommended lengths of links to ensure high performance of the systems with the use of rear pluggable RJ 45 sockets

	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

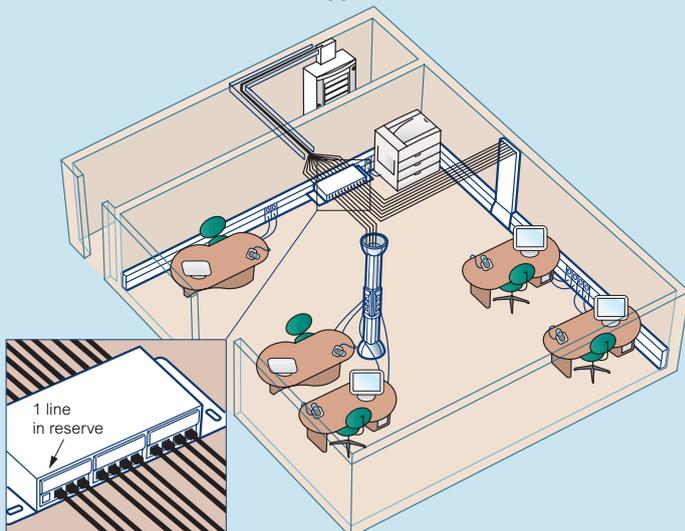
It is advisable to choose the shortest cable lengths in order to have more flexibility regarding the cord lengths in the event of reconfiguration

Application example

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



Connection to additional RJ 45 sockets is by adding RJ45-RJ 45 cords between the unit and the rear pluggable RJ 45 sockets



LCS Legrand cabling system (continued)

■ Flush-mounting Ethernet 10/100 base T switches

	742 02	742 04	742 01
Power supply	230 V	PoE	230 V
Speed	10/100 Mbps		
Standards	802.3 / 802.3u	802.3u 802.3af	802.3 / 802.3u
Common technical characteristics	<ul style="list-style-type: none"> Operating temperature: from 0°C to +40°C Max. permissible humidity level: 95% Auto MDI-X (takes crossed and straight cords) Orange LED: - On: rate 100 Mbps - Off: rate 10 Mbps Green LED on: traffic 		
Additional characteristics	<ul style="list-style-type: none"> SNMP V2C (RFC 1901-1908) Support MIB II (RFC 1213) IP addressing via DHCP (according to RFC 2131) Can be administered via WEB interface Backup and updating of configuration files (Upload/download) 		

■ Mosaic Wi-Fi access points

A 802.11 a and b/g solution

Radio communication standard	802.11 b/g	802.11 a
Power over Ethernet standard	802.3 af	
Frequency band	between 2.40 and 2.48 GHz	5 GHz
Number of available channels (may vary in certain countries)	13	8
Max. gross rate	54 Mbps	54 Mbps

■ Advantages of a Legrand Wi-Fi access point

- Possibility of simultaneous operation on 2 frequencies, a and b/g
For example:
 - > 802.11g reserved for visitors
 - > 802.11a (limited interference) reserved for employees
 Provides a max. gross rate of up to 2 x 54 Mbps in simultaneous mode
- Very high security level: encryption (WPA2 - 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) in accordance with standard 802.11e
- Easy to configure and make secure: using the CD supplied with the access point.

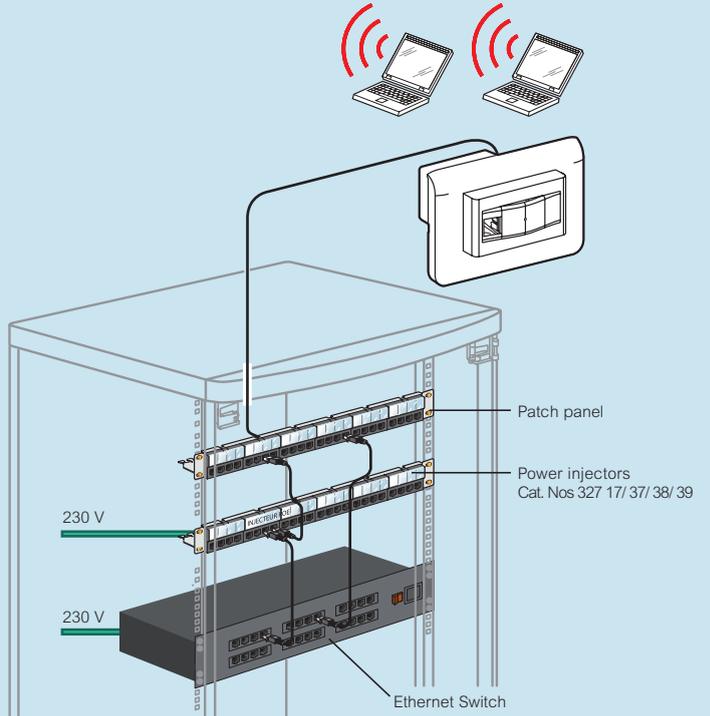
■ Installation

In all supports that can take a Mosaic mechanism (trunking, columns, flush-mounting boxes, floor boxes, etc)
Do not place access points behind an obstacle that would limit the radiation of the antenna
Access points are connected in the same way as RJ 45 sockets

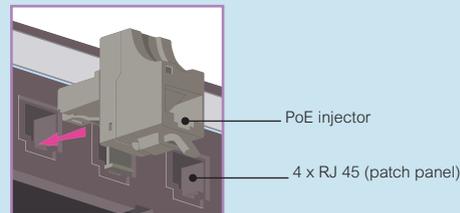
■ Sizing

- Provide 1 access point for 1 localised requirement (for example in meeting rooms)
- Provide 1 access point per 100 m² for global coverage and a maximum gross speed
- Provide 1 access point with an RJ 45 socket for an office used by visitors

■ Installation principle

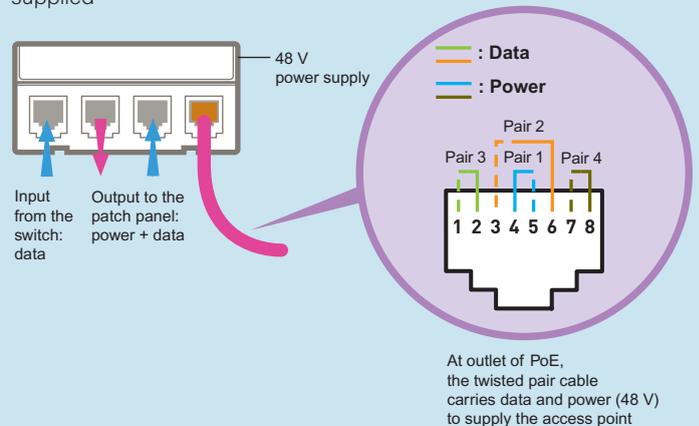


Particular case of the 1 port PoE: Clips directly onto a port on any patch panel
A single cord is necessary to connect it to a port on the switch



■ Operation of PoE

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



■ Legrand services

To guide you in setting up your VDI sites:

- Help with sizing the installation
- On-site assistance for integrating products and making important installations secure please call +33 555 06 86 46