

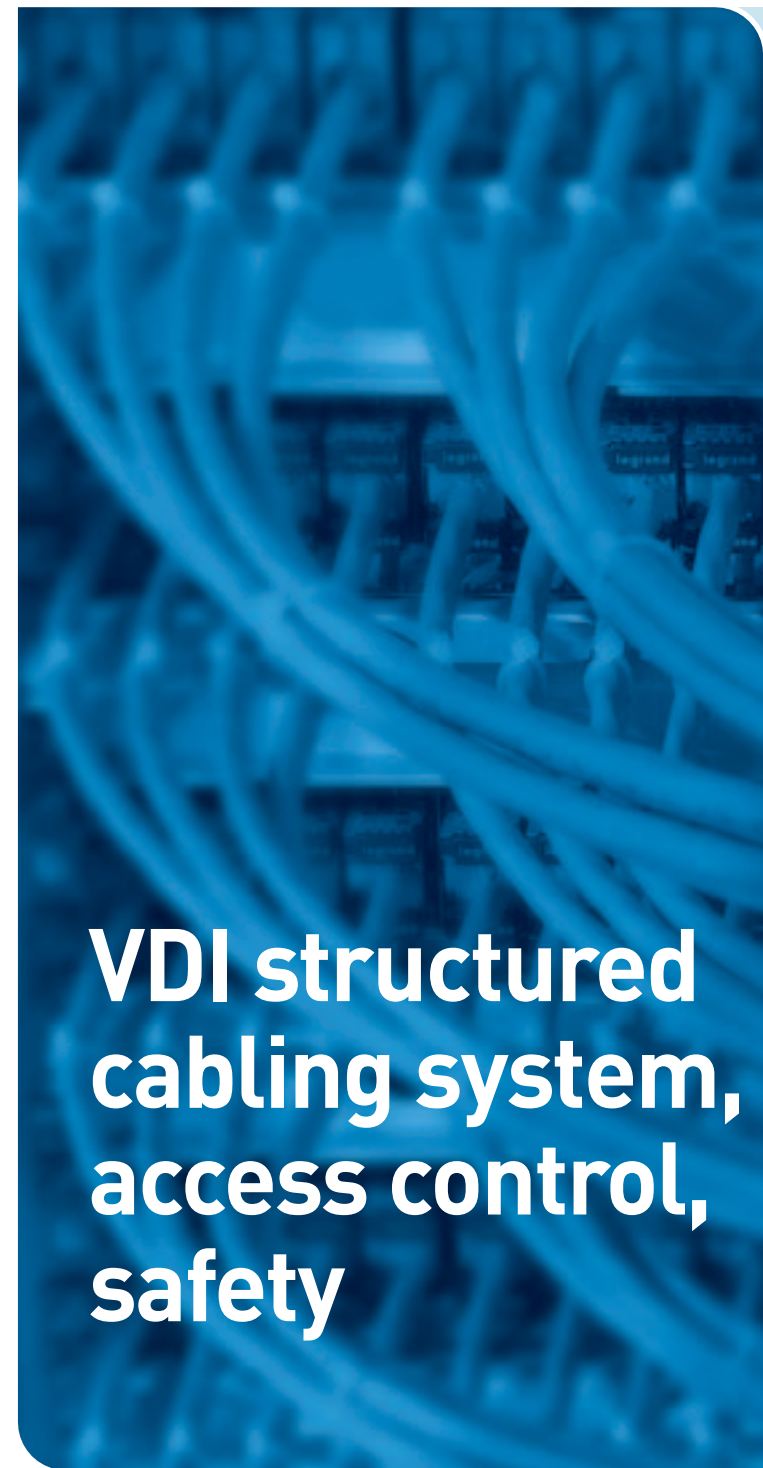


CATALOGUE

2007-2008

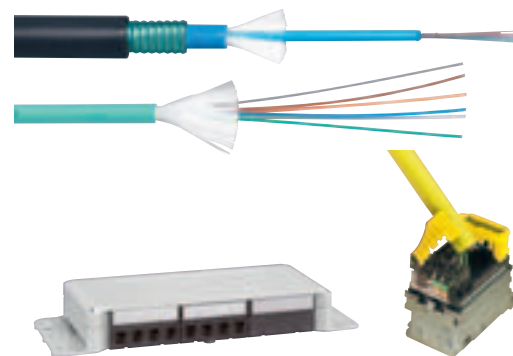
PRODUCTS AND SYSTEMS
FOR ELECTRICAL INSTALLATIONS
AND INFORMATION NETWORKS





VDI structured cabling system, access control, safety

LCS system	P. 782 Presentation of VDI system	P. 784 Horizontal cabling selection chart	P. 786 Vertical cabling selection chart	P. 788 Cabinets and equipment selection chart
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	P. 797 110 cross connect system	P. 797 LCS accessories		
Fibre optic cabling system	P. 802 19" fibre optics drawer and units	P. 802 Pigtails and fusion splice tray	P. 803 Patch cords, glue-on connectors and fibre optic cables	P. 805 Fast crimping connectors and kit
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Access control	P. 820 Video door entry systems 1 > 40 apartments	P. 826 Audio door entry systems 1 > 40 apartments	P. 854 Video and audio matricial monobloc door entry system 1 > 250 apartments	
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	P. 880 5108/B65/NT65 emergency lighting luminaires	P. 882 Conversion kits	P. 888 Lipso emergency lighting pilots	P. 892 Twin spot lights
Alarms and signalling devices	P. 898 Fire alarm system	P. 899 Automatic detector and call points Sounders and flashing lights	P. 900 Safety boxes	P. 902 Access control: Mosaic readers and manager
				P. 904 Illuminated signalling and sound signalling



Legrand Cabling System

- 10 Giga
- area distribution boxes
- fibre optics cords and cables
- 110 cross connect Cat.6 (p. 782 to 819)

New in 2007



Access control

- up to 250 apartments
- **In One by Legrand** and **Galea Life** door entry systems (p. 820 to 857)



Emergency lighting luminaires

- Arcor 2
- L31
- conversion kits
- Lipso: emergency lighting pilots (p. 864 to 891)

VDI Legrand Cabling System (LCS) from the main distribution block to the workstations

[VDI]

RJ 45 socket, LCS patch panels, cables, cords, cabinets, etc.
The Legrand VDI system can be used to create a complete structured wiring system, guaranteed for 20 years, that integrates perfectly in the various Legrand solutions (DLP, wiring accessories, industrial combined units, etc)

Composition of the system

PRODUCTS

- CABINETS**

FREESTANDING CABINETS

 - Choice of depth (600, 800, 1000 mm), width (600, 800 mm), from 24 to 47 U
 - Pre-mounted equipment of assemblies and customised dimensions

WALL-MOUNTING CABINETS

 - Choice of depth (400, 580, 600 mm), from 6 to 21 U, fixed or pivoting
 - VDI chassis for weatherproof cabinets
- LCS PATCH PANELS**

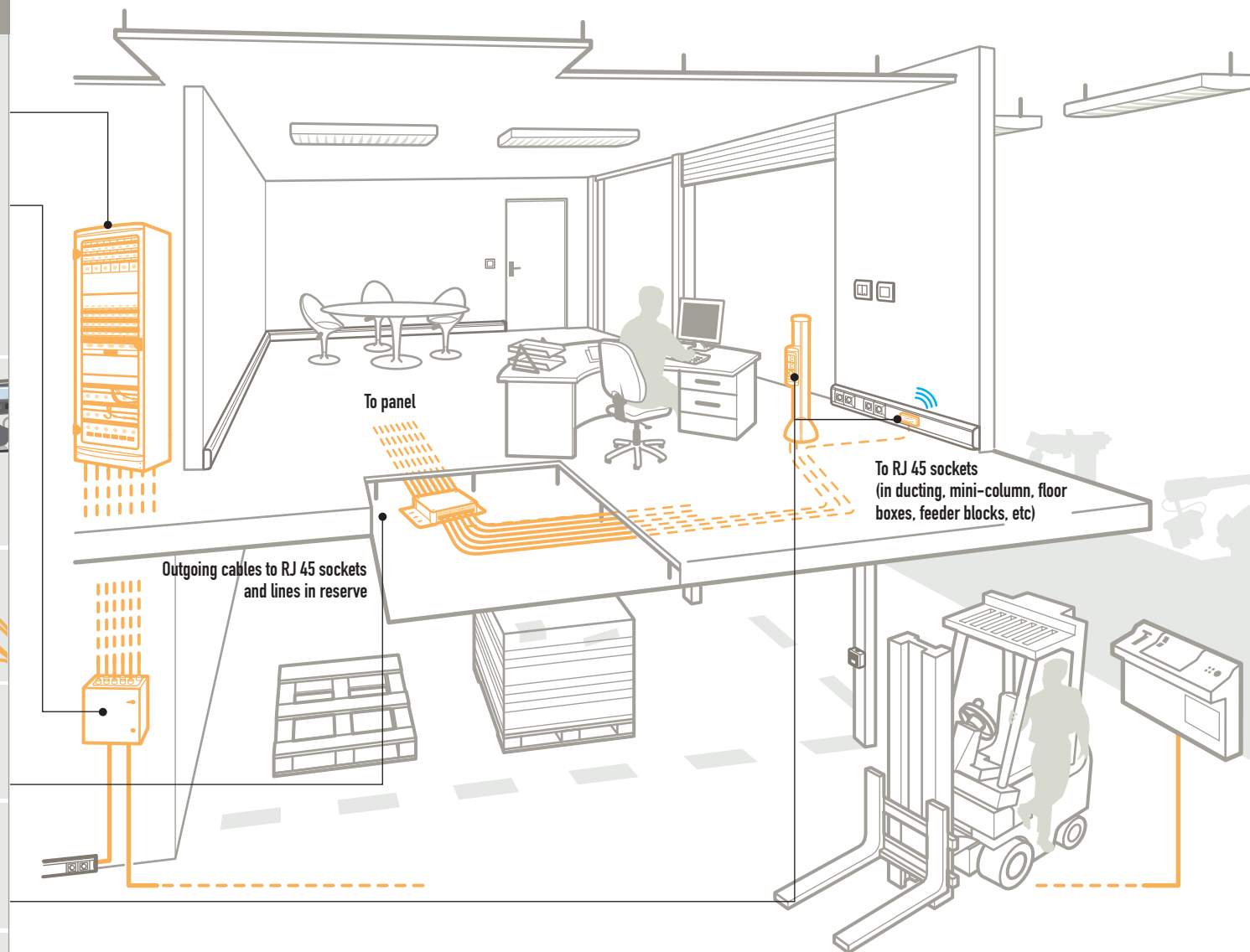
 - Delivered complete with up to 24 connectors
 - For customer assembly to suit your needs (copper, fibre optic, Power over Ethernet, etc) up to 72 connectors
 - With or without integrated feedthrough panel
- COPPER AND FIBRE OPTIC CABLES AND CORDS**

 - For transmitting data
- AREA DISTRIBUTION BOXES**

 - Distribute low currents in an area with 1 to 12 RJ 45 sockets
 - Centralise the connections at one point in the building for greater flexibility and adaptability of the installation
- WI-FI ACCESS POINTS AND RJ 45 SOCKETS**

 - Fast connection, no tool required
 - Mosaic finish
 - Flush or surface mounting
- MOSAIC OPTICAL SOCKETS**

 - 2 modules
 - For connecting 2 fibres
 - ST, SC, LC standards



The 20-year guarantee applies to all structured wiring components, apart from the Wi-Fi access point

> Fibre optic p. 854 and 855

Which systems to choose?

	Speeds and performance levels ⁽¹⁾	Levels of definition of the audio and video systems	20 year system guarantee
LCS ^{10Giga}	Very high	Excellent	yes
LCS ⁶	High	High	yes
LCS ⁵	Limited	Good	yes

(1) Speeds and performance levels measured for simultaneous operation of a large number of applications

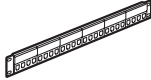
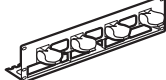









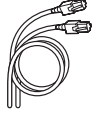
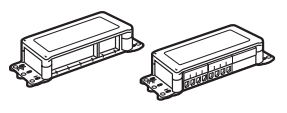

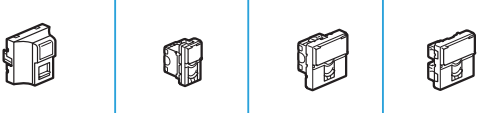
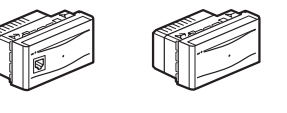
LEGRAND ADVANTAGES

- 1 Adaptability and flexibility of installations
- 2 Versatility: for offices or semi-industrial environments
- 3 Perfect integration in other Legrand systems (DLP, wiring accessories, etc)

See the "VDI Guide"

See the E-catalogue (instructions, technical data sheets, etc)

LCS selection chart horizontal cabling

		EQUIPPED PANELS	PATCH PANELS TO BE EQUIPPED						LCS UNITS FOR PANELS TO BE EQUIPPED							PoE PANELS														
																														
		24 RJ 45 or 48 RJ 45 for telephone	2 U and 3 U with management panel		Standard			Data units 4 RJ 45	Telephone units		Unit switch	Blanking unit	PoE injectors		1 U up to 6 wireless access points	1 U up to 12 wireless access points														
		1 U	2 U for 24 RJ 45	3 U for 48 RJ 45	1 U for 24 RJ 45	2 U for 48 RJ 45	3 U for 72 RJ 45		4-5/7-8	3-6/4-5	For 4 applications		For 1 wireless access point	For 2 wireless access points																
LCS ¹⁰ Giga	FTP	-	327 93	327 97	327 07	327 92	727 96	-	327 08	327 04	327 13	327 25	327 37	327 17	327 38	327 39														
	STP	327 23	327 93	327 97	327 07	327 92	327 96	327 35	327 08	327 04																				
LCS ⁶	UTP	327 00	327 91	327 95	327 06	327 90	327 94	327 10	327 08	327 04	327 13	327 25	327 37	327 17	327 38	327 39														
	FTP	327 01	327 93	327 97	327 07	327 92	327 96	327 11	327 08	327 04																				
	STP	327 02	327 93	327 97	327 07	327 92	327 96	327 12	327 08	327 04																				
LCS ⁵	UTP	327 20	327 91	327 95	327 06	327 90	327 94	327 30	327 08	327 04	327 13	327 25	327 37	327 17	327 38	327 39														
	FTP	327 21	327 93	327 97	327 07	327 92	327 96	327 31	327 08	327 04																				
	STP	327 22	327 93	327 97	327 07	327 92	327 96	327 32																						
Telephone network	4-5 / 7-8	327 09	327 91	327 95	-	327 90	327 94	-	-	-	-	-	-	-	-	-														
	3-6 / 4-5	327 05	327 91	327 95	-	327 90	327 94	-	-	-	-	-	-	-	-	-														
		CABLES				PATCH CORDS					AREA		DISTRIBUTION BOXES						MOSAIC SOCKETS				WIRELESS ACCESS POINTS							
																														
		Reel		Cardboard box	Patch cords (impedance 100 ohms)					To be equipped	Equipped		Mixed patch cords (RJ 45 - stripped)			Patch cords RJ 45 / RJ 45			Rear pluggable RJ 45 sockets	RJ 45			a/b/g with 1 RJ 45 socket	a/b/g	b/g					
		4 pairs Length 305 m	4 pairs Length 500 m	2 x 4 pairs Length 500 m	4 pairs Length 305 m	Length 0.3 m	Length 0.6 m	Length 1 m	Length 2 m	Length 3 m	Length 5 m		8 Connectors	12 Connectors		Length 8 m	Length 15 m	Length 20 m	Length 8 m	Length 15 m	Length 20 m	White 2 modules	1 RJ 45, 1 module	1 RJ 45, 2 modules	1 RJ 45, 2 modules install. 90°					
LCS ¹⁰ Giga	F/UTP	-	LSZH : 327 78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S/FTP	-	LSZH : 327 77	-	-	-	-	LSZH : 517 80	LSZH : 517 81	LSZH : 517 82	LSZH : 517 83	-	-	-	-	-	-	-	-	-	-	-	Métal plié 742 44	Métal plié 742 45	-	742 51	742 48	742 47		
LCS ⁶	U/UTP	LSZH : 327 54	-	PVC : 327 75	-	-	-	PVC : 517 72	PVC : 517 73	PVC : 517 74	PVC : 517 75	327 61	327 64	327 68	517 57	517 58	517 59	515 10	515 11	515 12	742 18	742 80	742 81	-	742 51	742 48	742 47			
	F/UTP	-	LSZH : 327 56	LSZH : 327 76	-	-	-	LSZH : 517 62	LSZH : 517 63	LSZH : 517 64	LSZH : 517 65	327 61	327 65	327 69	517 96	517 97	517 98	515 13	515 14	515 15	742 19	742 93	742 94	742 87						
	SF/UTP	-	LSZH : 327 57	-	-	-	-	LSZH : 517 52	LSZH : 517 53	LSZH : 517 54	LSZH : 517 55	327 61	-	-	-	-	-	-	-	-	-	-	742 90	742 91				742 92		
LCS ⁵	U/UTP	PVC : 327 51	-	PVC : 327 73	LSZH : 327 50	PVC : 516 90	PVC : 517 45	PVC : 516 36	PVC : 516 37	PVC : 516 38	PVC : 516 39	327 61	327 62	327 66	517 90	517 91	517 92	515 00	515 01	515 02	742 08	742 85	742 86	-	742 51	742 48	742 47			
	F/UTP	-	-	LSZH : 327 74	LSZH : 327 52	LSZH : 516 91	LSZH : 517 17	LSZH : 516 40	LSZH : 516 41	LSZH : 516 42	-	327 61	327 63	327 67	517 93	517 94	517 95	515 03	515 04	515 05	742 09	742 83	742 84	-						
	SF/UTP	-	-	-	-	-	PVC : 516 85	-	-	-	-	327 61	-	-	-	-	-	-	-	-	-	-	742 88	742 89				-		

LCS selection chart vertical cabling

>>> COPPER SOLUTIONS		LCS ¹⁰ Giga		LCS ⁶		
		FTP	STP	UTP	FTP	STP
EQUIPPED PATCH PANEL						
1 U, for 24 RJ 45 connectors		-	327 23	327 00	327 01	327 02
TO BE EQUIPPED PATCH PANELS						
1 U, for 24 RJ 45		327 07	327 07	327 06	327 07	327 07
2 U, for 48 RJ 45		-	327 92	327 90	327 92	327 92
3 U, for 72 RJ 45		-	327 96	327 94	327 96	327 96
2 U, for 24 RJ 45 with feedthrough panel		-	327 93	327 91	327 93	327 93
3 U, for 48 RJ 45 with feedthrough panel		-	327 97	327 95	327 97	327 97
UNITS FOR PANELS TO BE EQUIPPED						
4 RJ 45 unit		-	327 35	327 10	327 11	327 12
Fibre optic/copper converter		10/100 Mbit/s	332 76	332 76	332 76	332 76
		Gigabit	332 75	332 75	332 75	332 75
Blanking plate		327 25	327 25	327 25	327 25	327 25
LAN CABLE		F/UTP	S/FTP	U/UTP	F/UTP	SF/UTP
2 x 4 pairs, length 500 m, supplied on reel		-	-	327 75	-	-
LSZH CABLE		F/UTP	S/FTP	U/UTP	F/UTP	SF/UTP
4 pairs, length 305 m, supplied on reel		-	-	327 54	-	-
4 pairs, length 500 m, supplied on reel		327 78	327 77	-	327 56	327 57
2 x 4 pairs, length 500 m, supplied on reel		-	-	-	327 76	-
PATCH CORDS (Impedance 100 ohms)		F/UTP	S/FTP LSZH	U/UTP PVC	F/UTP LSZH	SF/UTP LSZH
Length 1 m		-	517 80	517 72	517 62	517 52
Length 2 m		-	517 81	517 73	517 63	517 53
Length 3 m		-	517 82	517 74	517 64	517 54
Length 5 m		-	517 83	517 75	517 65	517 55

>>> FIBRE OPTIC SOLUTIONS				
19" SUPPORT FOR FIBRE OPTIC BLOC UNIT				
Fiber optic drawer		331 22		
Universal patch panel		see p. 786		
FIBRE OPTIC UNITS				
LC unit for 6 singlemode fibre		327 84		
SC unit for 4 singlemode fibre		327 82		
ST unit for 4 multimode fibre		327 28		
SC unit for 4 multimode fibre		327 29		
LC unit for 4 multimode fibre		327 36		
LC unit for 6 multimode fibre		327 85		
Unit blanking plate		327 25		
Optical fibre cassette for patch panel		327 26		
TRANSCEIVER				
Fibre optic/copper converter	10/100 Mbits	332 76		
	Gigabit	332 75		
FAST CRIMP CONNECTORS AND FIBRE OPTIC TOOL KIT				
		9/125 µm	50/125 µm	62,5/125 µm
Valise		331 93	331 93	331 93
LC connector		331 12	331 06	331 09
SC connector		331 13	331 07	331 10
ST connector		-	331 08	331 11
FIBRE BREAKOUT KITS				
6 fibres		330 48		
12 fibres		330 49		

PATCH CORDS					
		OS1 9/125 µm	OM3 50/125 µm	OM2 50/125 µm	OM1 62.5/125 µm
ST/ST Cords Length 1 m		-	-	330 80	-
ST/ST Cords Length 2 m		-	-	330 81	-
ST/ST Cords Length 3 m		-	-	330 82	-
SC/SC Cords Length 1 m		326 00	326 09	330 69	331 51
SC/SC Cords Length 2 m		326 01	326 10	330 70	331 52
SC/SC Cords Length 3 m		326 02	326 11	330 71	331 53
SC/LC Cords Length 1 m		326 03	326 12	330 75	330 77
SC/LC Cords Length 2 m		326 04	326 13	330 63	330 62
SC/LC Cords Length 3 m		326 05	326 14	330 76	330 78
ST/SC Cords Length 2 m		-	-	330 72	331 57
ST/SC Cords Length 3 m		-	-	330 73	331 58
LC/LC Cords Length 1 m		326 06	326 15	-	-
LC/LC Cords Length 2 m		326 07	326 16	330 61	-
LC/LC Cords Length 3 m		326 08	326 17	-	-
LC/ST Cords Length 2 m		-	-	330 65	-
CABLES (see p. 804)					
CONNECTORS					
50/125 µm and 62,5/125 µm					
LC Connector		331 00			
SC Connector		331 47			
ST Connector		331 27			

LCS selection chart cabinets and equipment

>>> 19" XL VDI WALL-MOUNTING CABINETS	Fixed		Pivoting
	Depth 400 mm	Depth 580 mm	Depth 600 mm
CABINETS			
6 U	340 36	-	-
9 U	340 37	340 46	340 51
12 U	340 38	340 48	340 52
16 U	-	340 49	340 53
21 U	-	-	340 55
CABLE ENTRY PLATE			
With brush	340 83	340 83	340 83
VENTILATION			
230 V fan	348 39	348 39	348 39
19" SHELVES			
1 U fixed shelf, depth 115 mm	332 40	332 40	332 40
1 U fixed shelf, depth 250 mm	332 25	332 25	332 25
1 U fixed shelf, depth 300 mm	-	332 28	332 28
CABLE MANAGEMENT			
Cable supports	340 80	340 80	340 78
>>> MINI XL VDI CABINET (for small business applications)	Fixed depth 300 mm		
CABINET AND SPECIFIC ACCESSORIES			
6 U			329 81
Self assembly patch panel, 1 U for 12 RJ 45 connectors			329 14
Fixed shelf, 1 U, depth 120 mm			329 48
Power supply unit 4 x 2P + ⊕	French standard		329 87
	German standard		329 88
>>> VDI EQUIPMENT FOR WEATHERPROOF CABINETS			
VDI CHASSIS			
6 U			340 70
12 U			340 71
16 U			340 72
EQUIPMENT FOR 600 OR 800 MM WIDTH CABINETS⁽¹⁾			
IP 43 cable entry plate for Atlantic cabinets			329 46
IP 55 cable entry plate with multi-entry cable glands for Atlantic cabinets			329 47
Fixed shelf 1 U, depth 115 mm			332 40
EQUIPMENT FOR 400 MM WIDTH CABINETS⁽¹⁾			
Self-assembly patch panel, 1 U for 12 RJ 45 connectors			329 14
Fixed shelf 1 U, depth 120 mm			329 48
Power supply unit 4 x 2P + ⊕	French standard		329 87
	German standard		329 88

(1) Mini depth 250 mm

>>> 19" XL VDI FREESTANDING CABINETS	Additional 19" uprights	Cabinets width 600 mm		Cabinets width 800 mm		
		Depth 600 mm	Depth 800 mm	Depth 600 mm	Depth 800 mm	Depth 1000 mm
CABINETS						
24 U	346 64	332 18	Available on request			
29 U	346 65	332 20	Available on request			
33 U	346 53	332 94	Available on request			
42 U	346 54	332 96	332 97	332 98	332 99	332 00
47 U					332 01	
42 U Extension	346 54	330 36	330 37	330 38	330 39	330 40
47 U Extension					330 41	
CABLE ENTRY PLATES						
With brush for top part		329 72	329 72	329 74	329 74	329 74
Plain plate for bottom part		348 21	348 21	348 21	348 21	348 21
With brush for bottom part		329 72	329 72	329 72	329 72	329 72
VENTILATION						
Ventilated plate		348 27	348 27	348 28	348 28	348 28
Plate with 230 V fans		348 19	348 19	348 20	348 20	348 20
230 V fan		348 39	348 39	348 39	348 39	348 39
Thermostat		348 48	348 48	348 48	348 48	348 48
19" SHELVES						
1 U fixed shelf, depth 250 mm		332 25	332 25	332 25	332 25	332 25
1 U fixed shelf, depth 300 mm		332 28	332 28	332 28	332 28	332 28
1 U fixed shelf		329 49	329 50	329 49	329 50	329 56
1 U telescopic shelf		329 51	329 52	329 51	329 52	329 57
Keyboard support shelf		-	329 60	-	329 60	329 60
CABLE MANAGEMENT						
Patching extension for 42 U cabinets				346 97	346 97	346 97
Vertical trim plates for 42 U cabinets				346 98	346 98	346 98
Cable management tray for 42 U cabinets				331 35	331 35	331 35
Lateral cable supports between 19" uprights		331 67	331 68	331 67	331 68	331 69
Lateral supports on structure		331 68	331 69	331 68	331 69	331 70
Wire cable tray, 24 / 29 U height		331 28	331 28	331 28	331 28	331 28
Wire cable tray, 33 U height		332 34	332 34	332 34	332 34	332 34
Wire cable tray, 42 U / 47 U height		331 34	331 34	331 34	331 34	331 34

>>> 19" 230 V~ POWER SUPPLY UNITS		
GERMAN STANDARD		
6 x 2P+⊕ sockets		6339 01
6 x 2P+⊕ sockets + MBC		332 38
9 x 2P+⊕ sockets		332 39
BRITISH STANDARD		
5 x 2P+⊕ sockets + switch		6339 00
FRENCH STANDARD		
9 x 2P+⊕ sockets		332 36
6 x 2P+⊕ sockets + double pole MCB, 16 A		332 37
6 x 2P+⊕ sockets		332 86
5 x 2P+⊕ sockets with voltage surge protector and interference filter		332 89
TO BE EQUIPPED		
Self-assembly unit for 16 Mosaic modules		332 79
>>> 19" MANAGEMENT PANELS		
1 U, 2 axes with round shaped rings		332 56
2 U, 2 axes with round shaped rings		332 55
2 axes, metal, horizontal and front to back management	1 U 2 U	332 46 332 45
2 U, 3 axes, vertical, horizontal and front to back management		332 44
1 U with brush, front to back management		332 47
2 U, 1 axis, front to back management		332 31
Optical fibre management panel, 2 U, 2 axes		332 48
Blanking plates	1 U 2 U 3 U	346 77 346 74 346 78
>>> ACCESSORIES		
IP 2 x DIN rail kit		331 36
IP 20 lighting kit for freestanding cabinets		345 42
Set of 4 casters for freestanding cabinets		329 68