Workstation solutions

POWER AND DATA DISTRIBUTION
FOR THE OFFICE ENVIRONMENT

CATALOGUE

legrand®

Floor systems:
- raised access floor
- flush floor
- screed floor

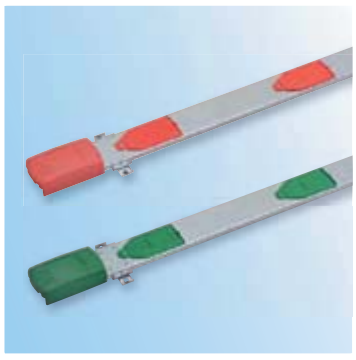
Connection:
- floor boxes
- grommets
- flip-up floor boxes
- under desk modules
- mini-columns
- desktop modules

Wall and ceiling systems:
- DLP wall trunking
- columns

Wiring accessories:
- Arteor

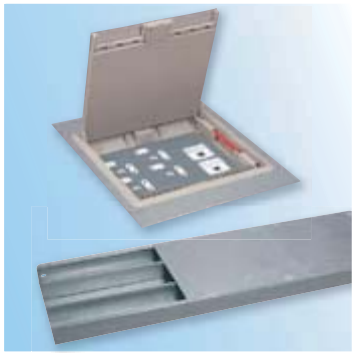
DISCOVER THE NEW SYSTEMS

Soluflex cable floor system
(p. 4)



Electrak under floor power distribution system
(p. 14)

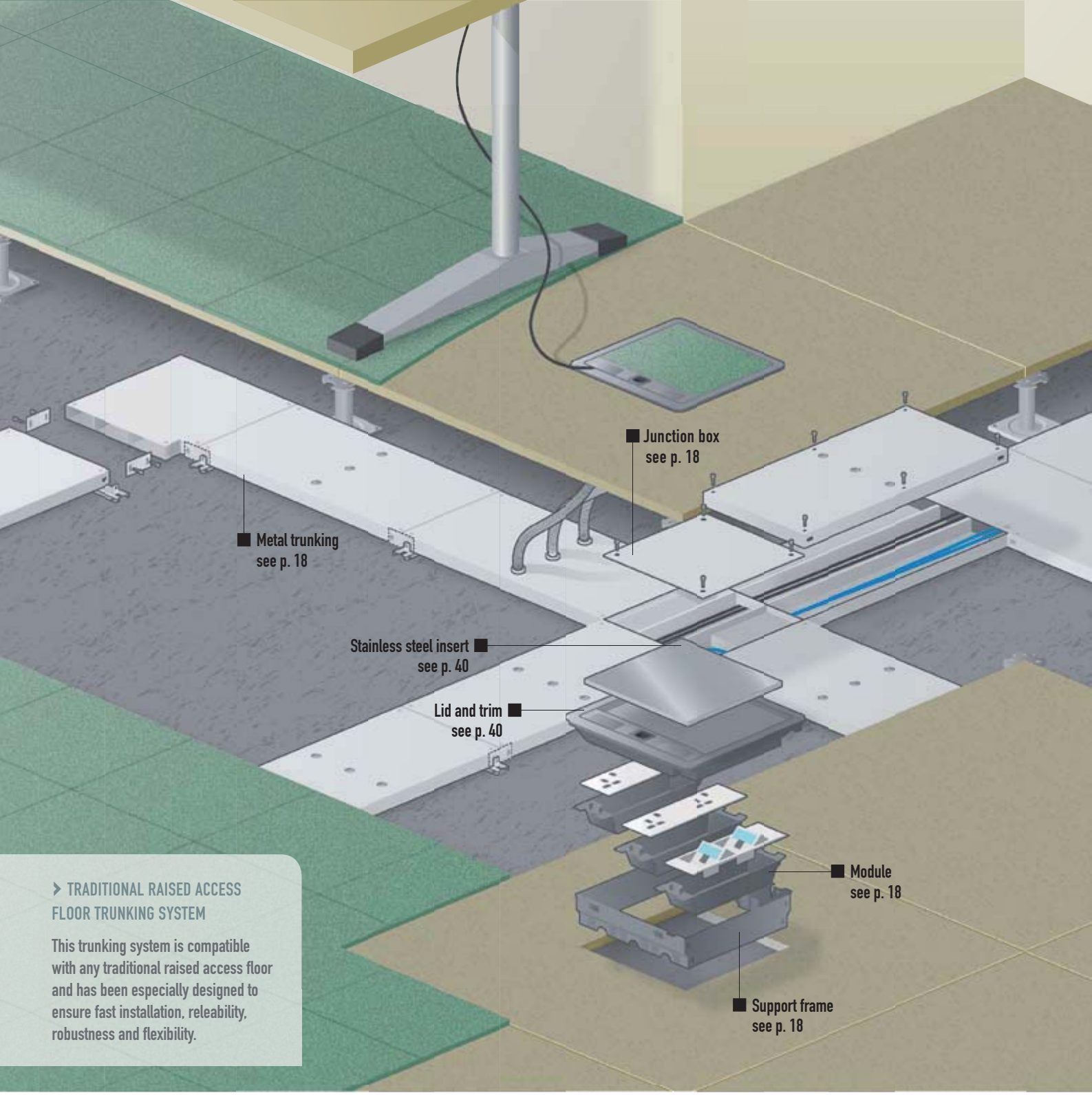
Raised access floor metal trunking system
(p. 18)



Flush floor metal trunking system
(p. 26)

Screed floor ducting system
(p. 32)

Other systems
(p. 46 to 75)

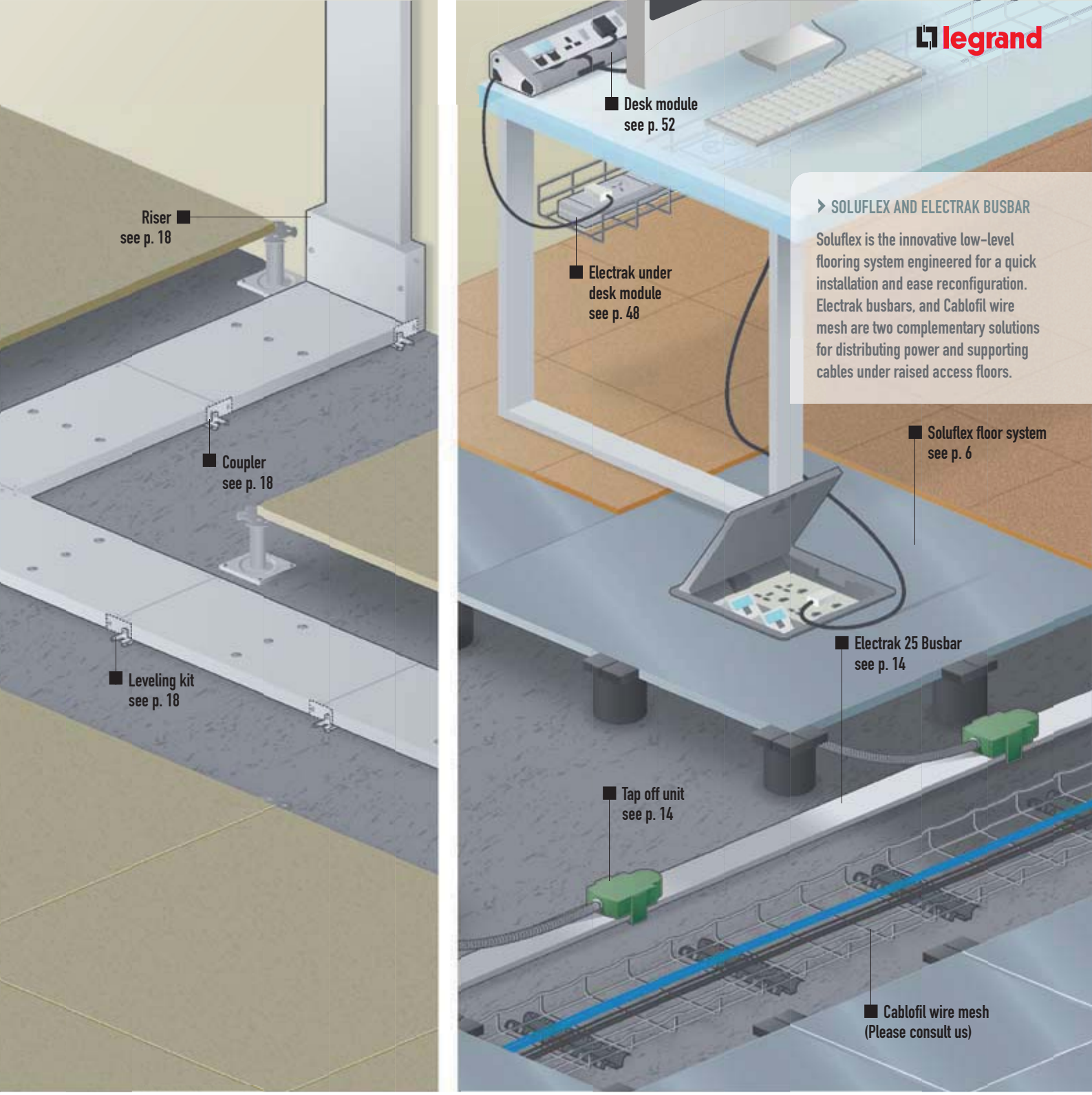


> TRADITIONAL RAISED ACCESS FLOOR TRUNKING SYSTEM

This trunking system is compatible with any traditional raised access floor and has been especially designed to ensure fast installation, releability, robustness and flexibility.

RAISED ACCESS FLOOR SYSTEMS

Different solutions for all your projects integrating raised access floor allow you to create well organised and functional offices and save time and money during installation or future reconfiguration. Soluflex low-level flooring system, Electrak busbars for power distribution or metal trunking systems for cable management under raised floors: our solutions have been designed for reliability, ease of installation and maximum flexibility.



SOLUFLEX AND ELECTRAK BUSBAR

Soluflex is the innovative low-level flooring system engineered for a quick installation and ease reconfiguration. Electrak busbars, and Cablofil wire mesh are two complementary solutions for distributing power and supporting cables under raised access floors.

Trunking		Fixing bracket	Coupler	Flat angle	Junction box	Riser	End cap	Leveling kit	Full backbox		Modular backbox			
											Support		Single module	Double module
									3 compt	4 compt	3 compt	4 compt		
Metal 225 x 38	6897 70	6897 55	6897 77	6897 73	6897 80	6897 82	6897 85	6897 87	6896 38	6896 48	6896 39	6896 49	6896 60	6896 61
Metal 300 x 38	6897 71	6897 55	6897 77	6897 74	6897 81	6897 83	6897 86	6897 67						

Lid and trim for floor boxes				
Floor box		Rigid cable exit	Flexible cable exit	Stainless steel insert
3 compt	grey	6896 30	6896 31	6896 92
	beige	6896 32	6896 33	
4 compt	grey	6896 40	6896 41	6896 93
	beige	6896 42	6896 43	

OTHER SOLUTIONS

- Flush floor system — see page 24-25
- Screed floor system — see page 30-31
- Floor boxes and other connection points — see page 38-39
- Wall and ceiling systems — see page 54-55
- Arteor wiring devices — see page 70-71

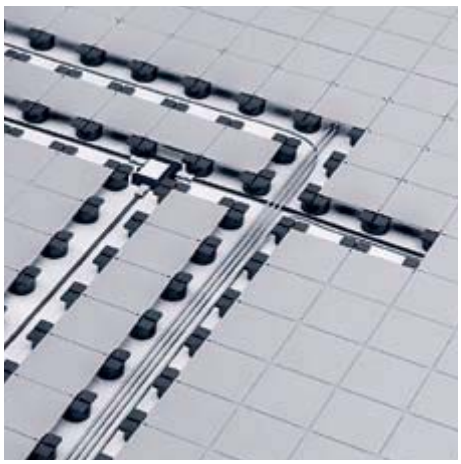
Soluflex cable floor system
selection chart

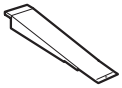
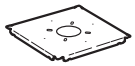
FLOOR PARTS

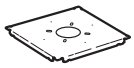
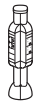
Height (mm)	Tile	Support	Double edge plate	Single edge plate	Plenum sealing	Plenum exterior angle	
37	84000 10	84037 00	84000 60	84000 61	84037 20	84037 30	
60	84000 10	84060 00	84000 60	84000 61	84060 20	84060 30	
90	84000 10	84090 00	84000 60	84000 61	84090 20	84090 30	
120	84000 10	84120 00	84000 60	84000 61	84120 20	84120 30	

EQUIPMENT - to be equipped with Arteor mechanisms (p. 72 to 75)

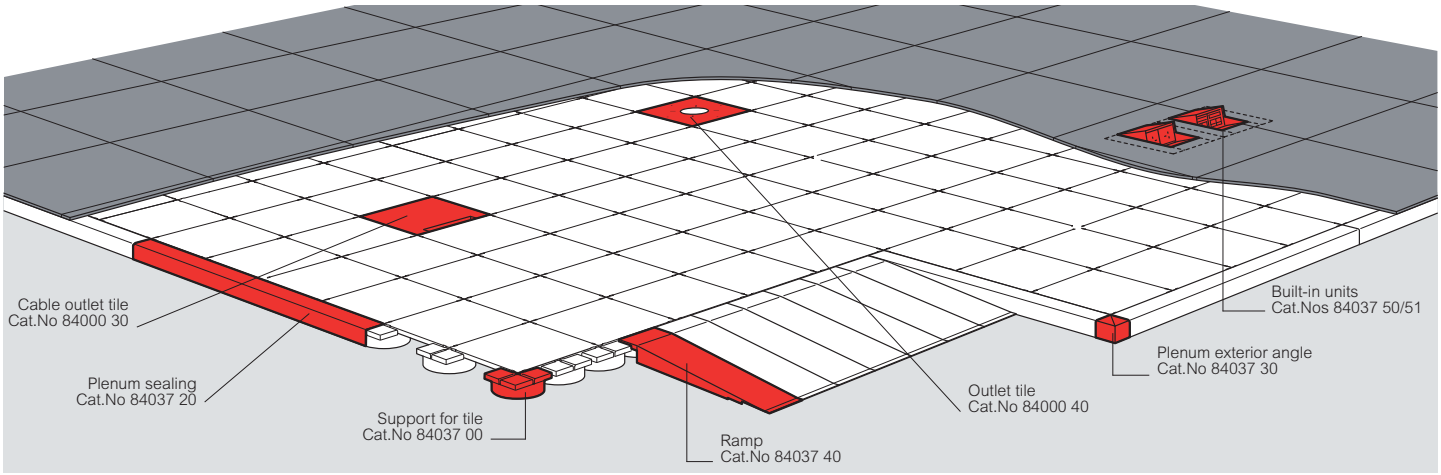
Height (mm)	Built-in power unit	Built-in data unit	Fully submerged power unit	Fully submerged data unit	
37	84037 50	84037 51			
60			84060 72	84060 73	
90					
120					



	Ramp	Earthing tile	Cable outlet tile	Chrome outlet grommet	Accessory outlet tile	Fixing bracket
						
	84037 40	84000 20	84000 30	81902 32	84000 40	84000 50
	84060 40	84000 20	84000 30	81902 32	84000 40	84000 50
	84090 40	84000 20	84000 30	81902 32	84000 40	84000 50
	84120 40	84000 20	84000 30	81902 32	84000 40	84000 50

	Flip-up boxes	Floor boxes			Mini-column	
	Floor box tile	Floor box tile		Backbox + lid and trim	Outlet tile	Mini-column
						
		3 compartments	4 compartments			
					84000 40	p. 51
	84090 84	84090 82	84090 83	p. 18 and 40		
	84090 84	84090 82	84090 83	p. 18 and 40		

Soluflex cable floor system - 37 mm height

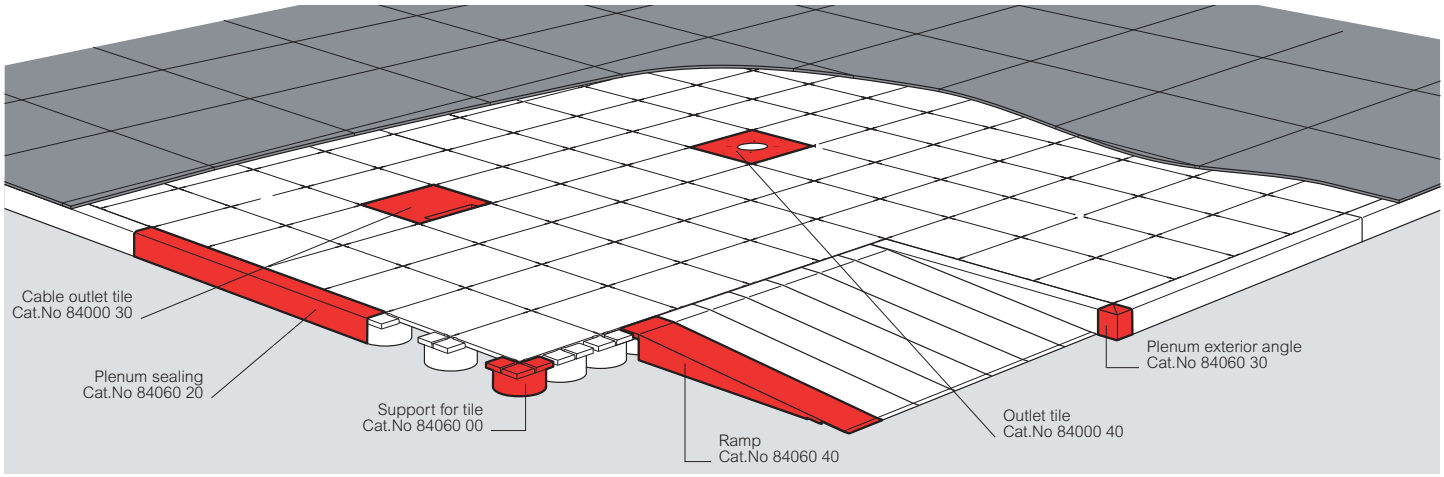


Selection chart (p. 4-5)
Technical characteristics (p. 10 to 13)

Pack	Cat.Nos	Floor parts
		Tile
1	84000 10	225 x 225 mm pre-galvanised tile Supplied with 4 contact/distance projections Can be positioned on supports Cat.No 84037 00
		Support for tile
1	84037 00	100 x 100 mm support Height 37 mm With 2 grooves for tiles positioning Black - polypropylene
		Edge plates Used to finish installation against wall Length 900 mm, width 300 mm Trim to size on site Pre-galvanised
1	84000 60	Double edge plate 2 flanges of 13 mm
1	84000 61	Single edge plate 1 flange of 13 mm
		Plenum sealing
1	84037 20	For edging the floor to create a step Length 900 mm, width 56 mm Heigth 37 mm Pre-galvanised
		Plenum exterior angle
1	84037 30	56 x 56 mm Use in conjunction with Cat.No 84037 22 Pre-galvanised
		Ramp
1	84037 40	Length 400 mm, width 112 mm Ramp 10 % Include 1 extra support per tile Pre-galvanised
		Earthing tile
1	84000 20	225 x 225 mm pre-galvanised earthing tile Supplied with 4 contact/distance projections Earthing clamp max. 6 mm² Use 1 tile per 100 m² or in hallways max. 14 m apart
		Cable outlet tile
1	84000 30	225 x 225 mm pre-galvanised cable outlet tile For cable access to work station Access 125 x 15 mm Supplied with 4 contact/distance projections

Pack	Cat.Nos	Floor parts (continued)
		Chromed outlet grommet
1	81902 32	For cable access to work station To be used with outlet tile Cat.No 84000 40
		Outlet tile
1	84000 40	225 x 225 mm pre-galvanised tile Supplied with 4 contact/distance projections For integration of columns, pedestals+cable spine (contact us) or chrome outlet grommet Cat.No 81902 32
		Fixing brackets
1	84000 50	For mounting columns on floor with outlet tile Cat.No 84000 40 Pre-galvanised
		Built-in units to be equipped 225 x 225 mm Height 37 mm (accessory outlet rises to 71 mm) Pre-galvanised
1	84037 50	For 2 x 13 A Arteor socket outlets Provided with connection terminal and strain relief
1	84037 51	For up to 4 x 1 module Arteor data sockets
		Cable spine
1	535 97	Very suitable solution for a safe and design protection of the cabling between desk and floor 2 compartments Length: 770 mm - Ø70 mm Translucid

Soluflex cable floor system - 60 mm height

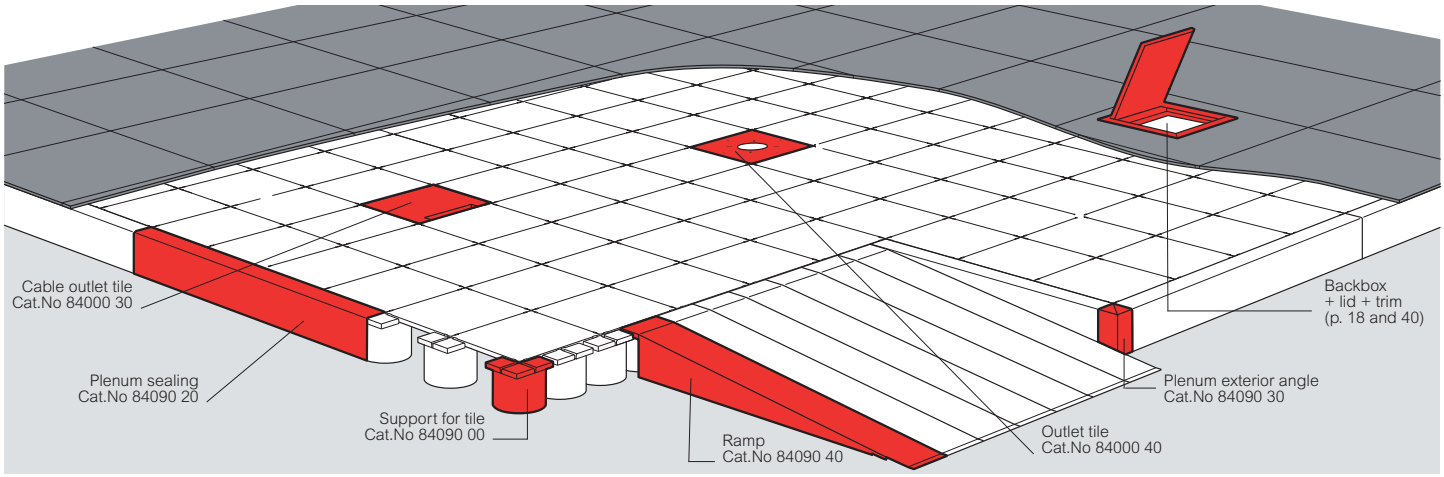


Selection chart (p. 4-5)
Technical characteristics (p. 10 to 13)

Pack	Cat.Nos	Floor parts
		Tile
1	84000 10	225 x 225 mm pre-galvanised tile Supplied with 4 contact/distance projections Can be positioned on supports Cat.No 84060 00
		Support for tile
1	84060 00	100 x 100 mm support Height 60 mm With 2 grooves for tiles positioning Black - polypropylene
		Edge plates Used to finish installation against wall Length 900 mm, width 300 mm Trim to size on site Pre-galvanised
1	84000 60	Double edge plate 2 flanges of 13 mm
1	84000 61	Single edge plate 1 flange of 13 mm
		Plenum sealing
1	84060 20	For edging the floor to create a step Length 900 mm, width 56 mm Heigth 60 mm Pre-galvanised
		Plenum exterior angle
1	84060 30	56 x 56 mm Use in conjunction with Cat.No 84060 22 Pre-galvanised
		Ramp
1	84060 40	Length 616 mm, width 112 mm Ramp 10 % Include 1 extra support per tile Pre-galvanised
		Earthing tile
1	84000 20	225 x 225 mm pre-galvanised earthing tile Supplied with 4 contact/distance projections Earthing clamp max. 6 mm² Use 1 tile per 100 m² or in hallways max. 14 m apart
		Cable outlet tile
1	84000 30	225 x 225 mm pre-galvanised cable outlet tile For cable access to work station Access 125 x 15 mm Supplied with 4 contact/distance projections

Pack	Cat.Nos	Floor parts (continued)
		Chromed outlet grommet
1	81902 32	For cable access to work station To be used with outlet tile Cat.No 84000 40
		Outlet tile
1	84000 40	225 x 225 mm pre-galvanised tile Supplied with 4 contact/distance projections For integration of columns, pedestals + cable spine (contact us) or chrome outlet grommet Cat.No 81902 32
		Fixing brackets
1	84000 50	For mounting columns on floor with outlet tile Cat.No 84000 40 Pre-galvanised
		Fully submerged units to be equipped Pre-galvanised To be combined with cable outlet tile Cat.No 84000 30
1	84060 72	For 2 x 13 A Arteor socket outlets Provided with connection terminal
1	84060 73	For 2 x Arteor data sockets
		Cable spine
1	535 97	Very suitable solution for a safe and design protection of the cabling between desk and floor 2 compartments Length: 770 mm - Ø70 mm Translucid

Soluflex cable floor system - 90 mm height



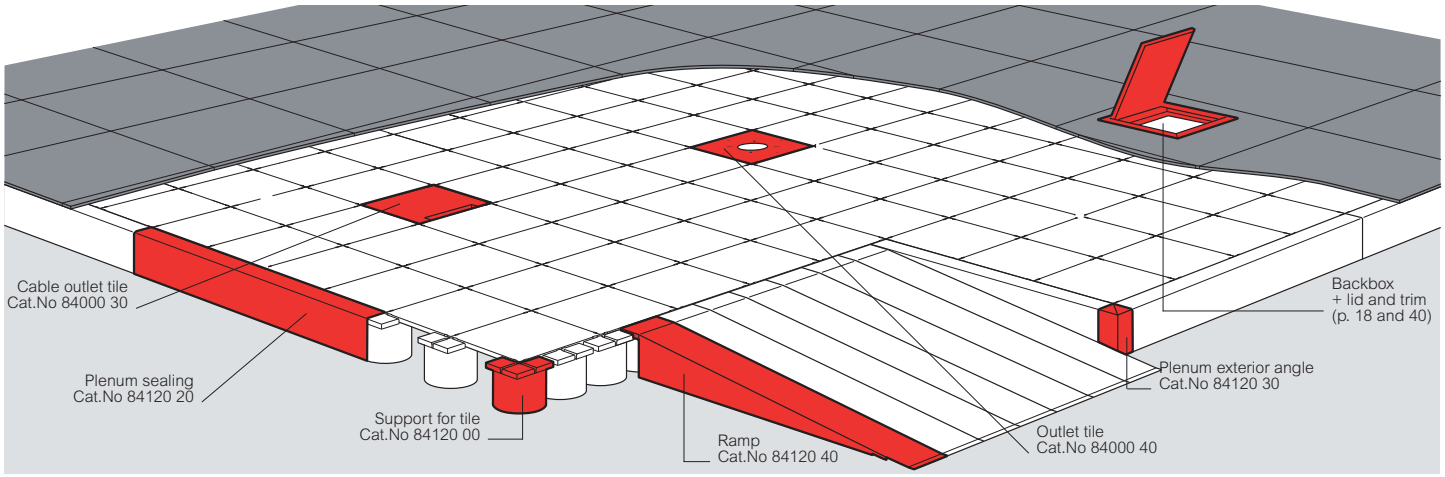
Selection chart (p. 4-5)
Technical characteristics (p. 10 to 13)

Pack	Cat.Nos	Floor parts
		Tile
1	84000 10	225 x 225 mm pre-galvanised tile Supplied with 4 contact/distance projections Can be positioned on supports Cat.No 84090 00
		Support for tile
1	84090 00	100 x 100 mm support Height 90 mm With 2 grooves for tiles positioning Black - polypropylene
		Edge plates Used to finish installation against wall Length 900 mm, width 300 mm Trim to size on site Pre-galvanised
1	84000 60	Double edge plate 2 flanges of 13 mm
1	84000 61	Single edge plate 1 flange of 13 mm
		Plenum sealing
1	84090 20	For edging the floor to create a step Length 900 mm, width 56 mm Heigth 90 mm Pre-galvanised
		Plenum exterior angle
1	84090 30	56 x 56 mm Use in conjonction with Cat.No 84090 22 Pre-galvanised
		Ramp
1	84090 40	Length 898 mm, width 112 mm Ramp 10 % Include 1 extra support per tile Pre-galvanised
		Earthing tile
1	84000 20	225 x 225 mm pre-galvanised earthing tile Supplied with 4 contact/distance projections Earthing clamp max. 6 mm² Use 1 tile per 100 m² or in hallways max. 14 m apart
		Cable outlet tile
1	84000 30	225 x 225 mm pre-galvanised cable outlet tile For cable access to work station Access 125 x 15 mm Supplied with 4 contact/distance projections

Pack	Cat.Nos	Floor parts (continued)
		Chromed outlet grommet
1	81902 32	For cable access to work station To be used with outlet tile Cat.No 84000 40
		Outlet tile
1	84000 40	225 x 225 mm pre-galvanised tile Supplied with 4 contact/distance projections For integration of columns, pedestals+cable spine (contact us) or chrome outlet grommet Cat.No 81902 32
		Fixing brackets
1	84000 50	For mounting columns on floor with outlet tile Cat.No 84000 40 Pre-galvanised
		Flip-up floor boxes tile 225 x 225 mm
1	84090 84	For flip-up boxes (p. 47) Pre-galvanised
		Floor box tile 450 x 450 mm For lid + trim assemblies (p. 40) Pre-galvanised
1	84090 82	For 3-compartment floor boxes (square opening 265 x 265 mm)
1	84090 83	For 4-compartment floor boxes (rectangular opening 342 x 265 mm)
		Cable spine
1	535 97	Very suitable solution for a safe and design protection of the cabling between desk and floor 2 compartments Length: 770 mm - Ø70 mm Translucid

Backboxes for raised floors (p. 18)

Soluflex cable floor system - 120 mm height



Selection chart (p. 4-5)
Technical characteristics (p. 10 to 13)

Pack	Cat.Nos	Floor parts
		Tile
1	84000 10	225 x 225 mm pre-galvanised tile Supplied with 4 contact/distance projections Can be positioned on supports Cat.No 84120 00
		Support for tile
1	84120 00	100 x 100 mm support Height 120 mm With 2 grooves for tiles positioning Black - polypropylene
		Edge plates Used to finish installation against wall Length 900 mm, width 300 mm Trim to size on site Pre-galvanised
1	84000 60	Double edge plate 2 flanges of 13 mm
1	84000 61	Single edge plate 1 flange of 13 mm
		Plenum sealing
1	84120 20	For edging the floor to create a step Length 900 mm, width 56 mm Heigth 120 mm Pre-galvanised
		Plenum exterior angle
1	84120 30	56 x 56 mm Use in conjunction with Cat.No 84120 22 Pre-galvanised
		Ramp
1	84120 40	Length 1181 mm, width 112 mm Ramp 10 % Include 1 extra support per tile Pre-galvanised
		Earthing tile
1	84000 20	225 x 225 mm pre-galvanised earthing tile Supplied with 4 contact/distance projections Earthing clamp max. 6 mm² Use 1 tile per 100 m² or in gangways max. 14 m apart
		Cable outlet tile
1	84000 30	225 x 225 mm pre-galvanised cable outlet tile For cable access to work station Access 125 x 15 mm Supplied with 4 contact/distance projections

Pack	Cat.Nos	Floor parts (continued)
		Chromed outlet grommet
1	81902 32	For cable access to work station To be used with outlet tile Cat.No 84000 40
		Outlet tile
1	84000 40	225 x 225 mm pre-galvanised tile Supplied with 4 contact/distance projections For integration of columns, pedestals+cable spine (contact us) or chrome outlet grommet Cat.No 81902 32
		Fixing brackets
1	84000 50	For mounting columns on floor with outlet tile Cat.No 84000 40 Pre-galvanised
		Flip-up floor boxes tile 225 x 225 mm
1	84090 84	For flip-up boxes (p. 47) Pre-galvanised
		Floor box tile 450 x 450 mm For lid + trim assemblies (p. 40) Pre-galvanised
1	84090 82	For 3-compartment floor boxes (square opening 265 x 265 mm)
1	84090 83	For 4-compartment floor boxes (rectangular opening 342 x 265 mm)
		Cable spine
1	535 97	Very suitable solution for a safe and design protection of the cabling between desk and floor 2 compartments Length: 770 mm - Ø70 mm Translucid

Backboxes for raised floors (p. 18)

Soluflex cable floor system

■ Specification / technical data

Construction
The Soluflex cable floor system is constructed of a raised floor of tiles and supports with integrated cabling and connection points for telecoms, power and data

Materials
- The tiles are manufactured from pre-galvanised sheet steel in accordance with BS EN 10326
- The supports are made of polypropylene. Inflammability class B2 according to DIN 4102

Weights and measures
- Dimensions of tiles: 225 x 225 mm
- 4 different heights: 37 mm, 60 mm, 90 mm, 120 mm
  Other heights available on request
- Weight of the Soluflex cable floor system: approx. 20 kg per m^2
- Thickness: 2mm

■ Load bearing data

- Point load per tile/support: 1500 Newton/25 mm^2
- Equal divided load of 30000 N per m^2
- Minimum safety factor: V = 1·71

Acoustic
- **Flanking airborne sound insulation in accordance with ISO 717-1: 1996**
  Tested according to ISO 140-12: 2000
  Soluflex cable floor system + carpet tiles, without mineral wool underneath the partition wall: Dn,f,w = 48 dB
  Soluflex cable floor system + carpet tiles, with mineral wool underneath the partition wall: Dn,f,w = 60 dB
- **Flanking impact sound insulation in accordance with ISO 717-2: 1996**
  Tested in accordance to ISO 140-12: 2000
  Soluflex cable floor system + carpet tiles, without mineral wool underneath the partition wall: Ln,f,w = 49 dB
  Soluflex cable floor system + carpet tiles, with mineral wool underneath the partition wall: Ln,f,w = 39 dB
- **Vertical impact sound insulation improvement in accordance with ISO 717-2: 1996**
  Tested in accordance with ISO 140-8: 1978
  Concrete floor 140 mm + Soluflex
  rLw = 17 dB rIlin = 7 dB
  Concrete floor 140 mm + Soluflex + carpet tiles
  rLw = 24 dB rIlin = 12 dB

■ Sound measurements

The sound measurements have been carried out in the laboratory of consultancy firm Peutz & Associes. The complete report can be obtained from our sales department

Safety
- Safety against short circuits : Soluflex is earthed (as long as 1 earthing tile is installed per 100 m^2)
- Fire resistance: due to its low plenum height Soluflex is self-extinguishing
  Tested according to BS EN 13501-1, class B (fl) S1

Other characteristics
The Soluflex cable floor system feels extremely solid. Since the system is not adjustable in height, it needs no later adjustment
The grid layout of the system means the cables are perfectly parallel, and you can cross data cables at the required angle of 90°

■ TNO-fire

Fire propagation
Its low plenum height enables the cable floor system to be self-extinguishing

EN 13501-1
B(fl) S1

NEN 1775
A - Inflammability - complies with the class T1 criteria for inflammability
B - Horizontal fire propagation: all heights
maximum horizontal fire propagation = 0 cm, which implies a critical density of heat flow of more than 11 kW/m^2
Classification according to NEN 1775: Class T1

NEN 6066
With (highest) heat flow supply of 50 kW/m^2 :
(highest) normative smoke density smaller than 0·5 m-1, which is very little smoke production in case of fire

DIN 4102
Resistance to fire in accordance with DIN 4102 Class B1

■ Level floor

The sub-floor must be dry, clean and level, suitable for laying carpet. If the floor is not level, it must be levelled before you start to install the Soluflex cable floor system. Please contact your floor specialist for professional advice

■ KEMA-certificate

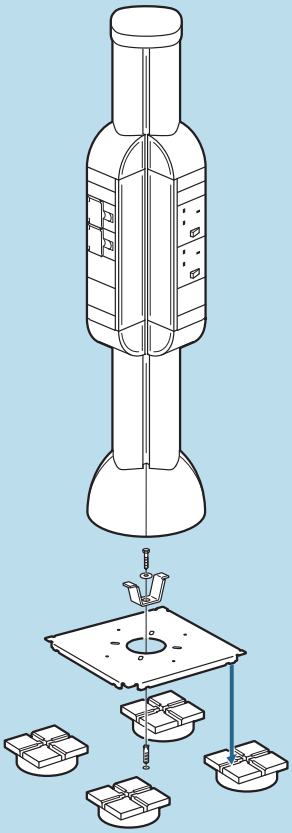
Soluflex cable floor system has been certified by KEMA and meets the requirements for mechanical and electrical safety

Earthing
The cable floor system is automatically earthed, provided that 1 earthing tile is installed per 100 m^2. Install an earthing tile every 14 m length in gangways

■ Installation examples

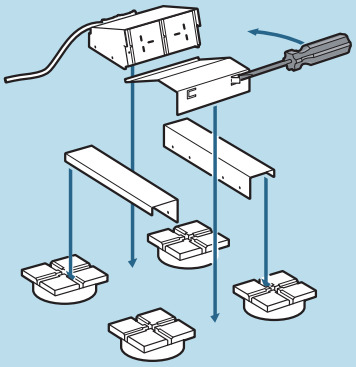
With mini-column

Power pole with accessory outlet tile and fixing bracket

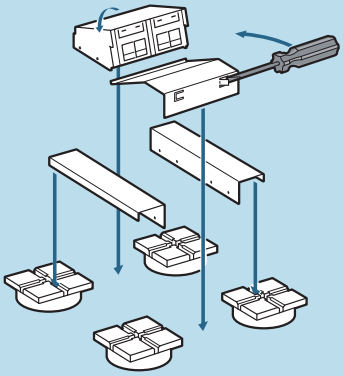


For 37 mm height cable floor system

Positioning of power outlet units

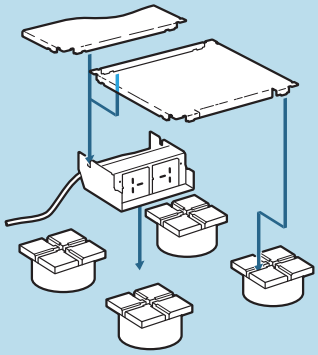


Positioning of data outlet units

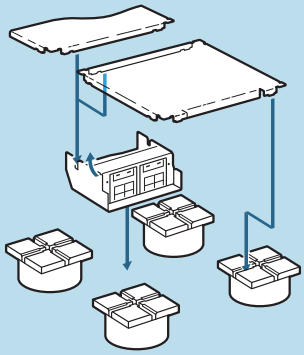


For 60 mm height cable floor system

Submerged Arteor power unit with cable outlet tile

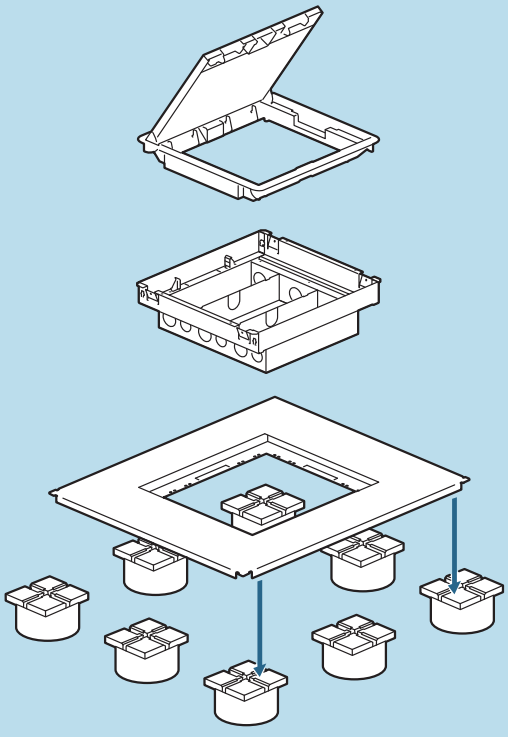


Fully submerged Arteor data unit with cable outlet



For 90 and 120 mm height cable floor system

Floor box lid and trim with floor box tile



Soluflex cable floor system

■ Installing the Soluflex cable floor system

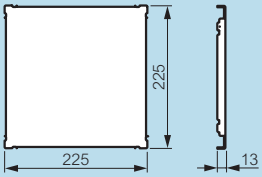
- Start with a dry, clean and level sub-floor that is suitable for laying normal carpet. If the floor does not meet these requirements, level it first
- Start in the corner of the room and click the tiles into the supports Leave a 10 mm gap between the wall and tile to allow for expansion Continue to build the floor like this and cut fitting tiles or edge plates to size for final fitting against the wall
- You are now ready to open the cable routes using your cabling plan Make sure that the cables are not placed under proposed locations of filing cabinets or other furniture as this limits flexibility
- The corners of the tiles have small recesses to enable them to be lifted using a screwdriver. Once one tile has been removed, the others can be removed by hand
- Now place the power track or cables into the cable routes, taking into account any extra cabling requirements for future flexibility
- By installing more outlet boxes you will be able to realise extra connections without interruption later
- Dependent on the floor height being installed, a choice can be made from various (pre-wired) outlet units in or on the cable floor
- Earth the cable floor system every 100 m^2 by means of an earthing tile
- In stretched areas such as corridors, place an earthing tile at least every 14 metres
- The electrical installation should always be carried out by a qualified electrician in conjunction with the requirements of the latest wiring regulations
- To create 'islands', install plenum with plenum angles to ensure a neat finishing of the system
- The ramp provides a constant transition from an existing floor to the Soluflex cable floor system
- The entire system can easily be dismounted and installed again as required, giving Soluflex a virtually unlimited life
- The finished installation can then be covered with rubber, stone, wood or carpet tiles
- Finishing with carpet tiles is advised for true flexibility and accessibility of the system

Cable routes

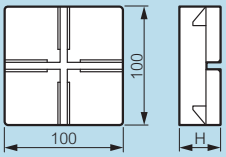
Completed Soluflex installation

■ Dimensions

Tile Cat.No 84000 10

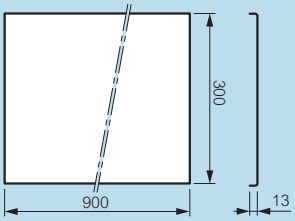


Support

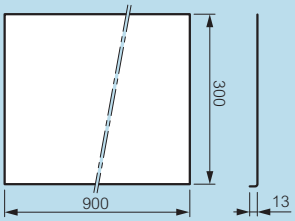


Cat.Nos	H (mm)
84037 00	35
84060 00	58
84090 00	88
84120 00	118

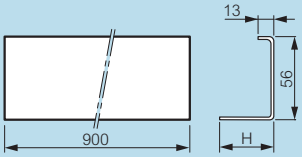
Double edge plate Cat.No 84000 60



Single edge plate Cat.No 84000 61

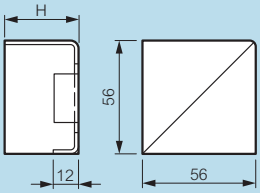


Plenum sealing



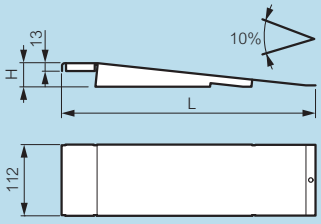
Cat.Nos	H (mm)
84037 20	37
84060 20	60
84090 20	90
84120 20	120

Plenum exterior angle



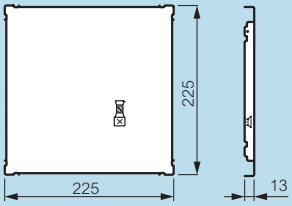
Cat.Nos	H (mm)
84037 30	37
84060 30	60
84090 30	90
84120 30	120

Ramp

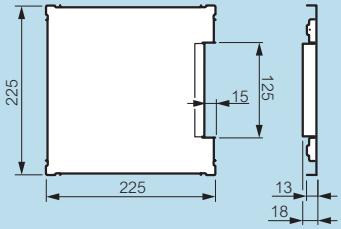


Cat.Nos	H (mm)	L (mm)
84037 40	37	400
84060 40	60	616
84090 40	90	898
84120 40	120	1181

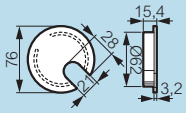
Earthing tile Cat.No 84000 20



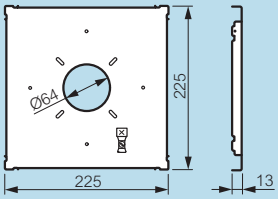
Cable outlet tile Cat.No 84000 30



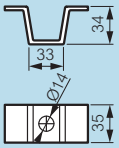
Chrome outlet grommet Cat.No 81902 32



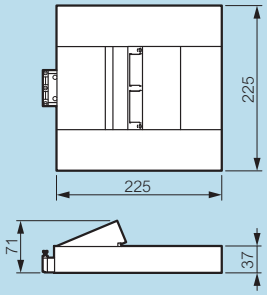
Outlet tile Cat.No 84000 40



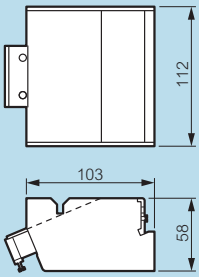
Fixing bracket Cat.No 84000 50



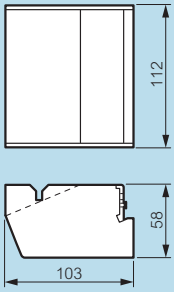
Built-in Arteor unit for 37 mm height cable floor system



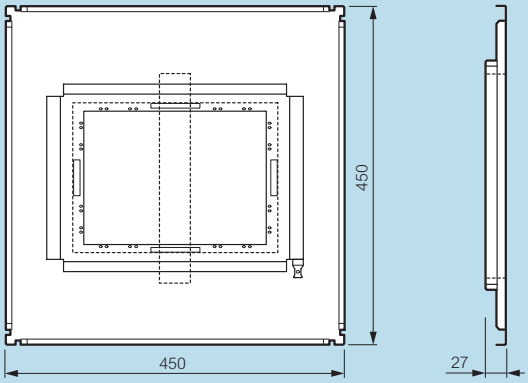
Fully submerged Arteor power unit 2 x 240 V for 60 mm height cable floor system (empty)



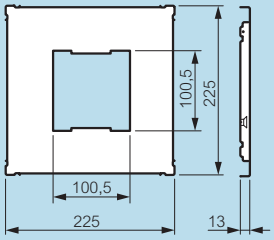
Fully submerged Arteor data unit 2 x 2 data for 60 mm height cable floor system (empty)



Floor box tile

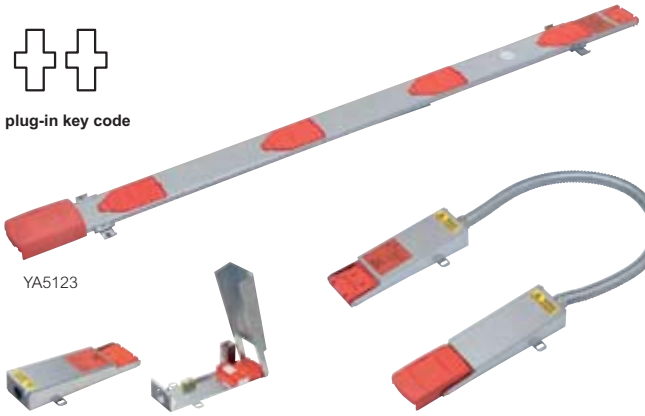


Flip-up floor boxes tile



underfloor power distribution systems
Electrak 28 standard system

plug-in key code



YA5123

YF5010

YW5010

YP5332

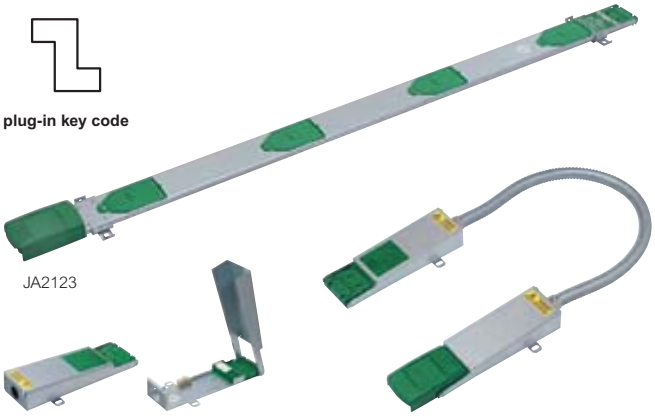
Technical caracteristics (p. 15)

Conform to BS EN 60 439-1, BS EN 60 439-2 and BS 7671: 2008 IEE Wiring Regulations
ASTA approved

Pack	Cat.Nos	Electrak 28 standard floor busbar system		
		Standard system with red components Underfloor system consist of continuous lengths of power track which are fed from the distribution board via busbar feed boxes and can be installed in a raised floor clearance height 48 mm		
		Busbars Rated current: 63 A 230/400 V~ - 50/60 Hz 300 mm socket centres Each busbar is equipped with connectors (one male and one female) at each extremity. Connection of busbars is made by simply snap fitting Access to power is provided along the power track by simply plugging tap-off units into shuttered socket outlets Supplied with floor fixing brackets		
		Length (m)	No. of sockets	No. fixing brackets
1	YA5123	1.2	4	2
1	YA5243	2.4	8	2
1	YA5363	3.6	12	3
		Busbar feed boxes		
1	YF5010	With ⏚, N and L connector terminals With Ø25 mm cable conduit fixing hole		
		Flexible interlinks Consist of two busbar connectors (male and female) Used to connect 2 busbars when changing direction		
1	YW5000	Without cable or conduit		
1	YW5010	With 1.2 m metal flexible conduit and cables		
1	YW5020	With 2.4 m metal flexible conduit and cables		
		Tap-off units Can be connected directly through the floor via grommet outlets (p. 46) to workstations (p. 48) Supplied with Ø16 mm flexible conduit and ⏚, N and L tap-off connectors		
1	YP5332	32 A unfused - length 3 m		
1	YP5532	32 A unfused - length 5 m		
1	YP5327	13 A fused 543-7 - length 3 m		
1	YP5527	13 A fused 543-7 - length 5 m		

underfloor power distribution systems
Electrak 25 low noise system

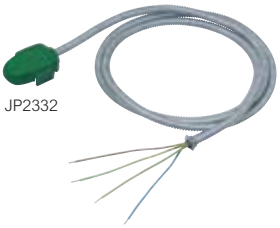
plug-in key code



JA2123

JF2010

JW2010



JP2332

Technical caracteristics (p. 15)

Conform to BS EN 60 439-1, BS EN 60 439-2 and BS 7671: 2008 IEE Wiring Regulations
ASTA approved

Pack	Cat.Nos	Electrak 25 low noise (clean earth) floor busbar system		
		Standard system with green components Underfloor system consist of continuous lengths of power track which are fed from the distribution board via busbar feed boxes and can be installed in a raised floor clearance height 48 mm		
		Busbars Rated current: 63 A 230/400 V~ - 50/60 Hz 300 mm socket centres Each busbar is equipped with connectors (one male and one female) at each extremity. Connection of busbars is made by simply snap fitting Access to power is provided along the power track by simply plugging tap-off units into shuttered socket outlets Supplied with floor fixing brackets		
		Length (m)	No. of sockets	No. fixing brackets
1	JA2123	1.2	4	2
1	JA2243	2.4	8	2
1	JA2363	3.6	12	3
		Busbar feed boxes		
1	JF2010	With ⏚, N, L and clean ⏚ connector terminals With Ø25 mm cable conduit fixing hole		
		Flexible interlinks Consist of two busbar connectors (male and female) Used to connect 2 busbars when changing direction		
1	JW2000	Without cable or conduit		
1	JW2010	With 1.2 m metal flexible conduit and cables		
1	JW2020	With 2.4 m metal flexible conduit and cables		
		Tap-off units Can be connected directly through the floor via grommet outlets (p. 46) to workstations (p. 48) Supplied with Ø16 mm flexible conduits and ⏚, N, L and clean ⏚ connectors		
1	JP2332	32 A unfused - length 3 m		
1	JP2532	32 A unfused - length 5 m		
1	JP2327	13 A fused 543-7 - length 3 m		
1	JP2527	13 A fused 543-7 - length 5 m		

Electrak underdesk modules (p. 48)

Technical characteristics

Electrical test data	Rated current	63 A
	Rated voltage	230/400 VA
	Frequency	50/60 Hz
	Conductor resistance - Live & neutral	3.0 mΩ/m
	Conductor impedance	1.5 mΩ/m
Volt drops (Live & neutral)	Busbars	3.0 mV/A/m
	Cable connectors	0.4 mV/A
	Track connector	0.4 mV/A
	32 A Tap-Off	0.4 mV/A
	+ 4 mm² cable	11 mV/A/m
	Flexible corner assembly	1.5 mV/A
	+ 10 mm² cable	4.0 mV/A/m
Earth fault loop impedance	Phase busbar	1.5 mΩ/m
	Earth busbar	1.5 mΩ/m
	Earth housing	1.1 mΩ/m
	Earth busbar & housing	0.8 mΩ/m
	Cable connector	0.4 mΩ
	Track connector	0.6 mΩ
	32 A Tap-off	0.6 mΩ
	+ 4 mm² cable	11 mΩ/m
	Flexible corner assembly	1.5 mΩ
	+ 10 mm² cable	4.0 mΩ/m
Rated conditional short-circuit current		16 kA
Ambient temperature		25 °C
Mechanical data	Number of conductors	3 to 6
	Busbar conductor cross section area	13 mm²
	Housing cross sectional (copper equivalent)	13 mm²
	Cable terminal capacity	16 mm²
	Tap-off cable 32 A	4 mm²
	Tap-off cable 13 A fused	1.5 mm²
	Tap-off conduit, up to 4 conductors	Ø16 mm
	Tap-off conduit, 5 and 6 conductors	Ø20 mm
	Flexible corner cable (Tri-rated, high temperature)	10 mm²
	Flexible corner conduit	Ø25 mm
	IP rating	40
Material specifications	Power track housing	Galvanised steel; natural finish
	Busbars	High conductivity copper
	Busbar insulator	PTFE
	Track connector/ socket outlet/track feed connector	Flame retardant polycarbonate
	Socket outlet entry shutter	Acetal
	Tap-off housing	Flame retardant polycarbonate
	Track connector blades	Copper
	Tap-off blades	Copper
	Tap-off/flexible corner conduit, metal	Electro-galvanised steel
	Tap-off conduit, plastic	VO rated
	Tap-off cable	LSOH to BS7211
	Flexible interlink cable	Tri-rated to BS6231
	Track feed box/flexible interlink boxes	Galvanised steel
	Track feed connector terminals/earth block	Brass
	Track fixing brackets	Galvanised steel
	13 A Tap-off, fuse	To BS 1362, ASTA approved

Norms

Approved to ASTA Standard 138

BS EN 60 439-1
BS EN 60 439-2

Electrak is approved to ISO 9001: 2000
Assessed Quality Insurance Certificate No. 10679

Electrak fully complies with the requirements of BS 7671: 2008 IEE wiring regulations

Installations with high protective conductor currents

All infused tap-offs comply with Regulation 543.7 without the need for additional earth conductors. Regulation 543.7.1.3 (ii) states "a single copper protective conductor having a cross-sectional area of not less than 4 mm², complying with the requirements of Regulations 543.2 and 543.3, the protective conductor being enclosed to provide additional protection against mechanical damage, for example, within a flexible conduit"

For 543.7 installations with high protective conductor currents requiring fused tap-offs, a 543.7 compliant tap-off must be used. Normally fused tap-offs incorporate 1.5 mm² conductors, however in the fused 543.7 tap-offs, the 1.5 mm² earth conductor is replaced with a 4 mm² conductor and therefore complies with Section 543.7.1.3 (ii)

Durability

Elektrak systems are superbly designed and extremely robust. They can be expected to stand up to all normal site conditions. Elektrak has been short circuit strength tested by ASTA

32 Amp tap-off unit

The 32 amp tap-off unit comprises an unfused tap-off with either 2.8 metres of 16 mm/20 mm diameter flexible metal conduit both with integral 4 mm² LSOH conductors

These units are designed to comply with regulation 434.2.1 of the IEE Wiring regulation by virtue of the following:

1- Maximum length of cable is 3 metres

2- It is factory assembled and fully tested item with cable installed in high quality flexible conduit

Fault condition protection for the tap-off assembly and the floor box socket outlets is afforded by the circuit protective device. Disconnection time for socket outlets is 0.4 seconds (Regulation 411.3.2.2). The Elektrak system meets the requirement

Tap off units in excess of 3 metres should only be used if they contain a fuse of the power track is protected by a 32 amp rated protective device

Earth fault loop impedance

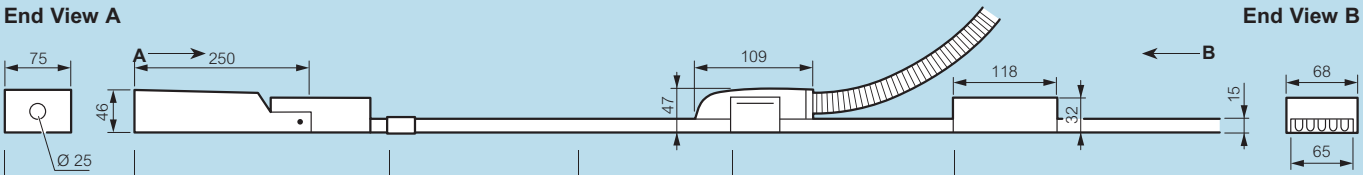
BS 7671: 2008 IEE Wiring Regulations require accurate determination of the total earth loop impedance, which must be sufficiently low to allow the protective device to operate within the specified time, which for socket outlets is 0.4 seconds. The values relevant to Elektrak for calculating the earth fault loop impedance are shown in the electrical test data cable

■ Installation principle

All dimensions are in mm

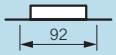
End View A

End View B

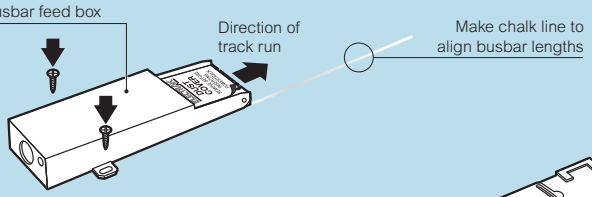


Feeds | Busbar feed box | Integral fixing brackets 1.2 m average spacing | Busbar | Tap off | Busbar connector

End View
Integral fixing bracket fixing centres

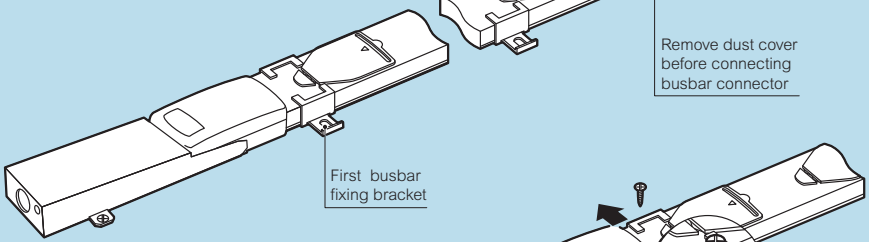


1 Fix track feed to surface first

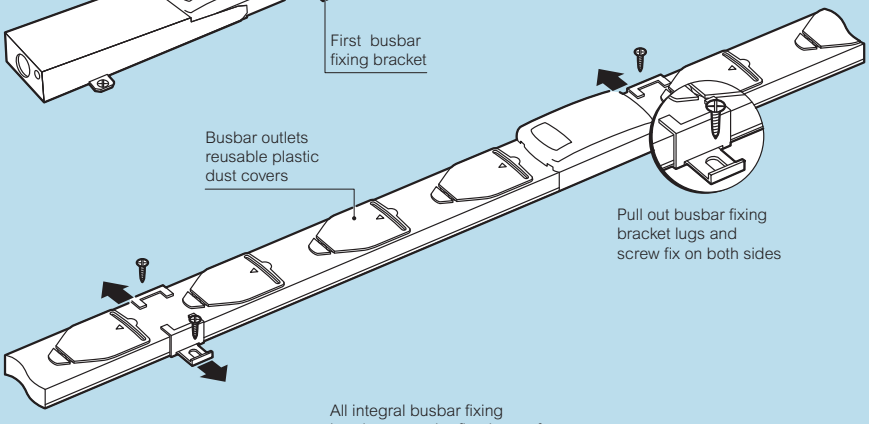


2

3



4

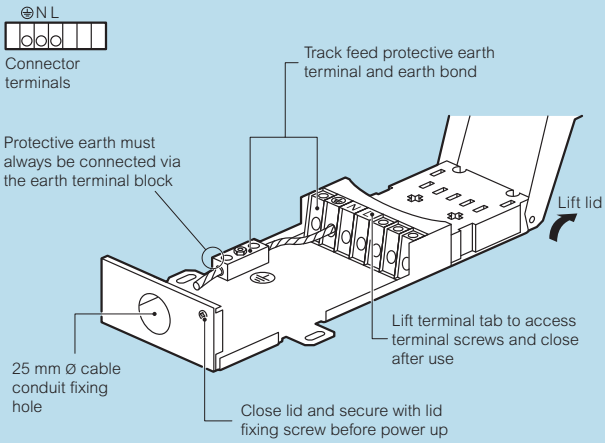


All integral busbar fixing brackets must be fixed to surface at 1.2 m fixing centres from first bracket on each busbar length

underfloor power distribution systems
Electrak 28 standard system

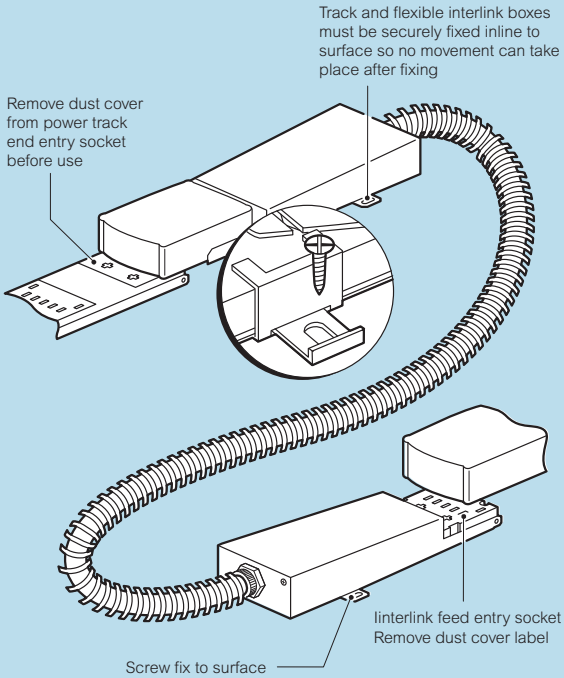
■ Connection principle

Busbar feed

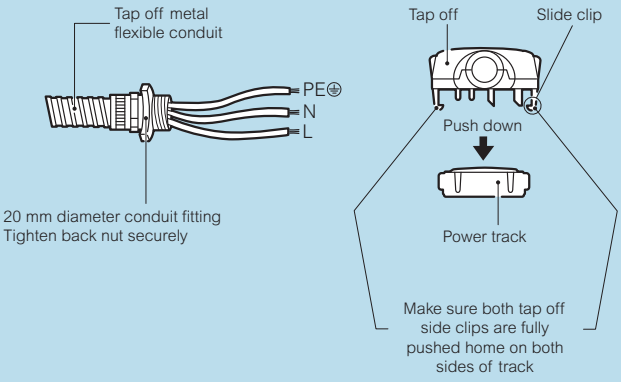


Each track feed is suitable for a conductor up to 16 mm²
Tighten all terminal screws securely
Track feed box must be securely fixed to surface before conduit or cables are attached to it
Do not power up until track is installed

Flexible interlink



Tap-off connection

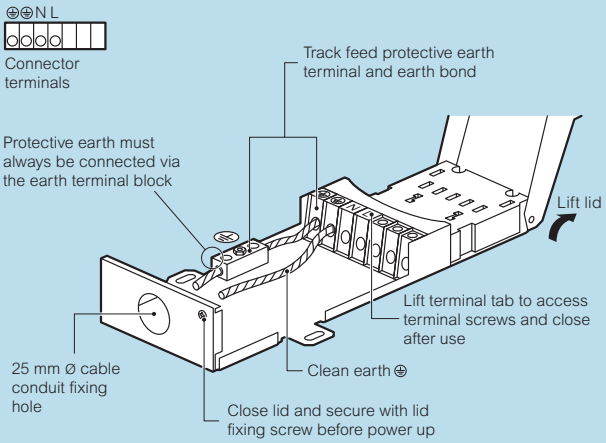


Note: track fixing brackets are for slab mounting only
For information on other fixing methods, additionnal installation sheets or technical help contact Electrak

underfloor power distribution systems
Electrak 25 low noise system

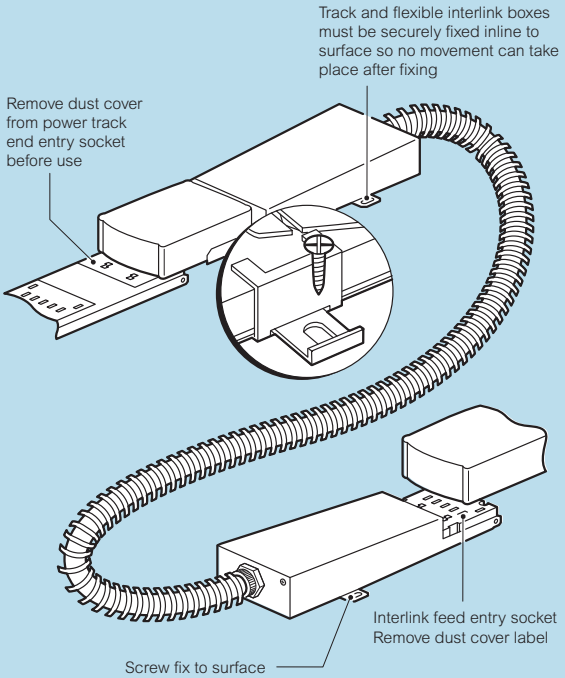
■ Connection principle

Busbar feed

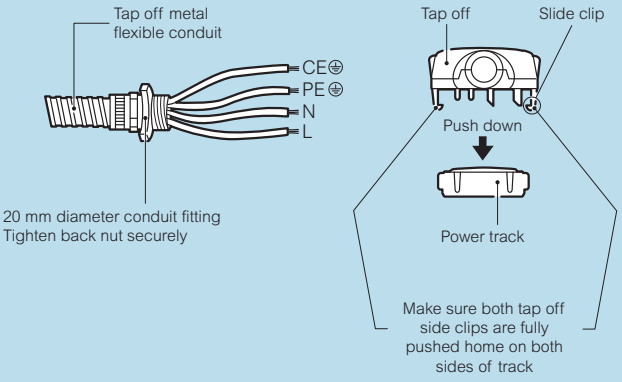


Each track feed is suitable for a conductor up to 16 mm²
Tighten all terminal screws securely
Track feed box must be securely fixed to surface before conduitor cables are attached to it
Do not power until track is installed

Flexible interlink



Tap-off connection



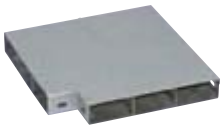
Note: track fixing brackets are for slab mounting only
For information on other fixing methods, additionnal installation sheets or technical help contact Electrak

raised access floors metal trunking system


6897 70


6897 55


6897 77


6897 73


6897 80


6897 82


6897 85


6896 38


6896 39

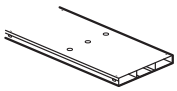

6896 60


6896 61

Technical characteristics (p. 19 to 23)

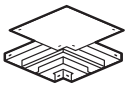
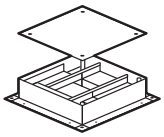
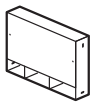
Conform to BS EN 50085-1: 2005 and EN 50085-2.2
Raised floor trunking systems are suitable for routing electrical cables beneath raised floors
Compatible with Cat. 6 structured cabling systems

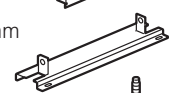
Pack	Cat.Nos	Metal trunking
		IP 20 - IK 08 3 compartments (for separation between ELV and LV cables) made of pregalvanised steel 12 knockouts for flexible conduit connection Supplied complete with 2 covers and dividers Length 2.44 m
1	6897 70	225 x 38 mm
1	6897 71	300 x 38 mm



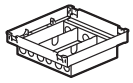
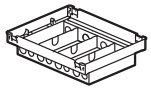
Pack	Cat.Nos	Trunking accessories
		Fixing bracket
10	6897 55	For fixing trunking on floor
		Coupler
20	6897 77	For joining trunkings
		Flat angle
1	6897 73	For 225 x 38 mm trunking
1	6897 74	For 300 x 38 mm trunking
		Junction box
		For direct access to cables at the intersection of trunkings while maintaining perfect separation between ELV and LV cables Supplied complete with base, fly-overs and cover
1	6897 80	For 225 x 38 mm trunking
1	6897 81	For 300 x 38 mm trunking
1	6897 78	For junction between 225 x 38 and 300 x 38 mm trunkings
		Riser
1	6897 82	For 225 x 38 mm trunking
1	6897 83	For 300 x 38 mm trunking
		End cap
8	6897 85	For 225 x 38 mm trunking
12	6897 86	For 300 x 38 mm trunking
		Leveling kit for trunking
		For raising trunking level up to 10 mm
10	6897 87	For 225 x 38 mm trunking
10	6897 89	For 300 x 38 mm trunking
		Leveling kit for junction box
1	6897 88	For raising junction box level up to 10 mm



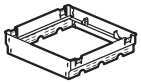
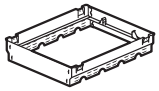
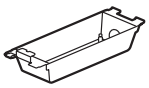
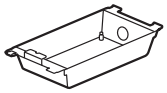







Pack	Cat.Nos	Full backbox
		To be fitted with lid and trim (p. 40) Integrating socket outlets or support plates (p. 41) Backbox to be connected to trunking with flexible conduits Height: 86 mm
1	6896 38	3 compartments (264 x 264 mm)
1	6896 48	4 compartments (264 x 341 mm)

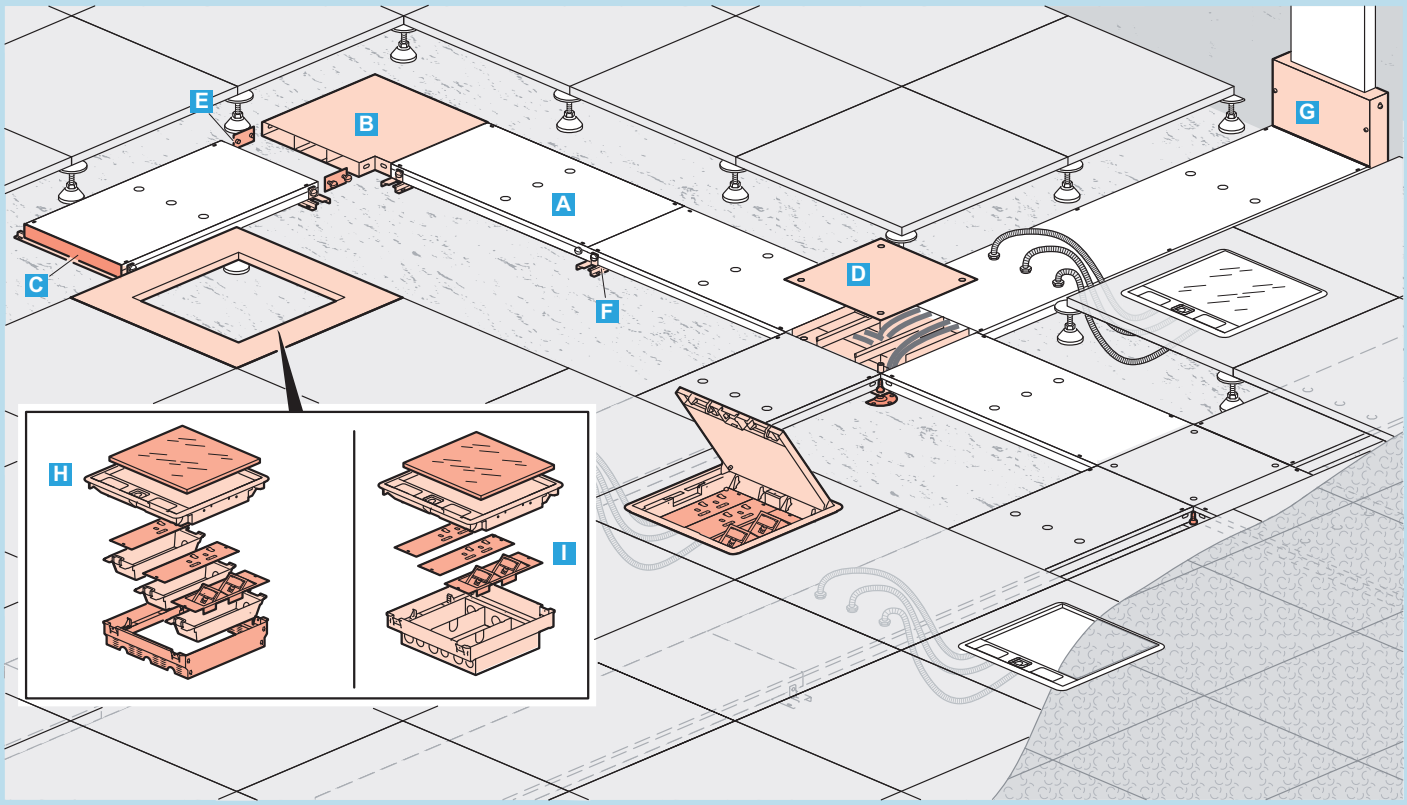
Pack	Cat.Nos	Modular backbox
		Adjustable height between 86 to 107 mm To be fitted with lid and trim (p. 40) Integrating socket outlets or support plates (p. 41) Backboxes are connected to the raised floor trunking system with flexible conduits One complete assembly consists of: - support frame - modules - lid and trim
		Support frame
		To be equipped with modules below
1	6896 39	3 compartments (264 x 264 mm)
1	6896 49	4 compartments (264 x 341 mm)
		Module
1	6896 60	Single module for 77 mm plates
1	6896 61	Double module for 154 mm plates

Lid and trim for floor boxes (p. 41)

Epoxy coating on request

System overview



- A Trunking
- B Flat angle
- C End cap
- D Junction box
- E Coupler
- F Leveling kit
- G Riser
- H Modular floor box (support frame + modules + lid and trim) Socket outlets and data sockets plates to be ordered separately
- I Floor box (full backbox + lid and trim) Socket outlets and data sockets plates to be ordered separately

Standards

Metal trunking according to standard EN 60-670 and EN 50085-2.2

It ensures constant performance along the entire distribution up to the user connection point

Classification for raised floor		Raised floor
6.2	Resistance to impact for installation and application	2.0 J
6.3	Minimum storage and transport temperature	- 25 °C
6.3	Minimum installation and application temperature	- 5 °C
6.3	Maximum application temperature	+ 60 °C
6.4	Resistance to flame propagation	Non-flame propagating
6.5	Electrical continuity characteristics	With electrical continuity characteristic (metal ducting & accessories)
6.6	Electrical insulating characteristics	Without electrical insulating characteristic (metal ducting & accessories)
6.7	Degree of protection provided by enclosure	IP 20
6.9	System access cover retention	With a tool
6.101	Floor treatment	For dry treatment of floor
6.102	Resistance to a vertical load applied over a small surface area	1500 N(1)
6.103	Optional classification: resistance to vertical load applied through large surface area	3000 N
6.103	Rated voltage	500 V
6.103	Protection against mechanical impact	IK 08

(1) For 4 compartments, resistance to vertical load applied over a small surface area = 750 N

Materials

Metal Duct and accessories

Material pre-galvanised sheet steel (DX51D Z275 MAC)
Standard thickness: 1 mm for body/diverders/covers
Standard length: 2.44 m
Number of compartments: 3 compartments

Composition and functions for raised access floor system

		Fixing brakets	Coupler	End cap	Leveling		Riser	Junction box	Flat angle	Full backbox		Modular backbox			
												Support frame		Single module	Double module
										3 compt	4 compt(1)	3 compt	4 compt(1)		
225 x 38 Metal	6897 70	6897 55	6897 77	6897 85	6897 87	6897 88	6897 82	6897 80 (225 x 38)	6897 73	6896 38	6896 48	6896 39	6896 49	6896 60	6896 61
300 x 38 Metal	6897 71			6897 86	6897 89		6897 83	6897 78 (225/300 x 38) / 6897 81 (300 x 38)	6897 74						

Lid and trim for floor boxes				
Floor box		Rigid cable exits	Flexible cable exits	Stainless steel insert
3 compt	grey	6896 30	6896 31	6896 92
	beige	6896 32	6896 33	
4 compt(1)	grey	6896 40	6896 41	6896 93
	beige	6896 42	6896 43	

(1) For 4 compartments, resistance to a vertical load applied over a small surface area = 750 N

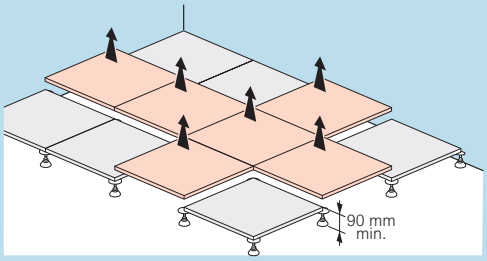
Cable capacity guide

The number and location of boxes will depend upon the end user's requirement
A floor box should be considered for each workstation or desk with an average of 1 FB for every 10 m²

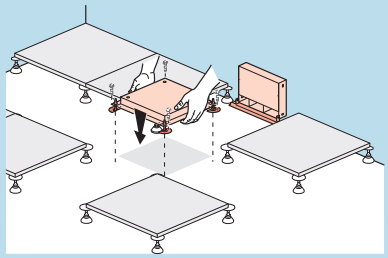
Dimensions	Compartment	Available section at 45 % fill mm²	Capacity: maximum number of conductors per compartment (for one specific cable type)													
			PVC stranded							Twin & earth			cat. 5e UTP Ø5.5	cat. 5e STP Ø6	cat. 6 UTP Ø6.5	cat. 6 STP Ø7
			1,5² Ø3.3	2,5² Ø4	4² Ø4.6	6² Ø5.2	10² Ø6.7	16² Ø7.8	25² Ø9.7	2,5² Ø10.5	4² Ø11.2	6² Ø3.3				
225 x 38	1 2 3	1134	132	90	68	53	32	24	15	13	11	8	38	32	27	23
300 x 38	1 2 3	1584	184	126	95	75	45	33	21	18	16	11	52	44	38	32

The above table gives the available capacity units on a 45 % factor, applied to the internal wiring area

Installation principle

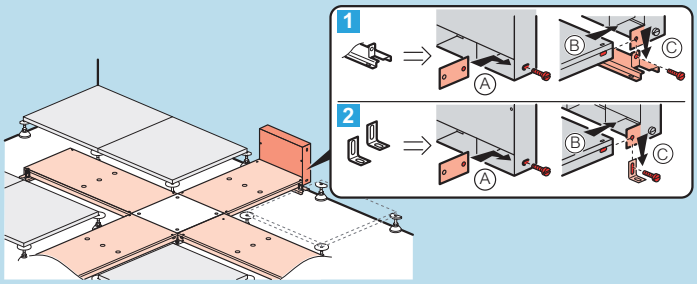


Remove the raised access floor tiles along the path

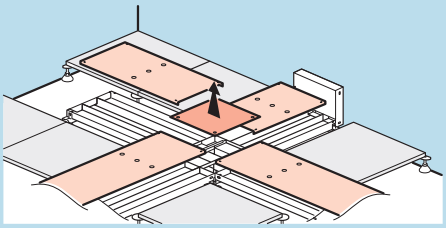


Place the junction boxes, risers and flat angles at the required location. Level if required (Cat.No 6897 88)

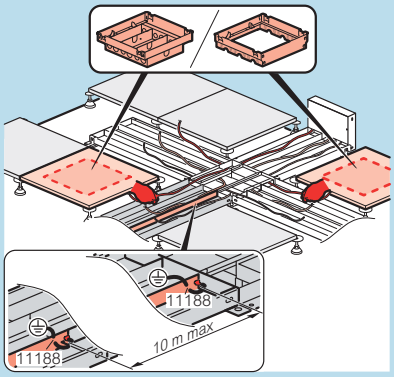
⁕Installation principle (continued)



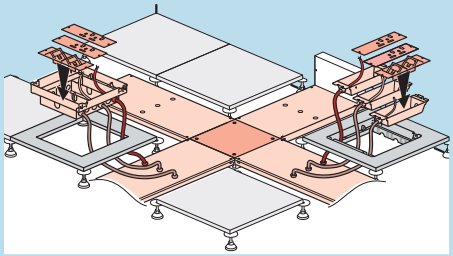
Fix trunking and all accessories with fixing brackets
(1 with levelling, 2 without levelling)



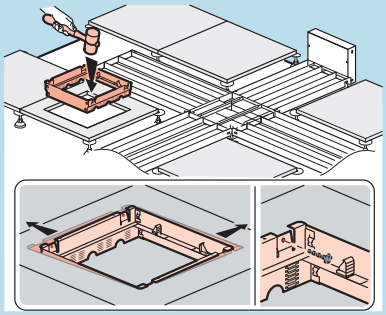
Remove all covers for cabling



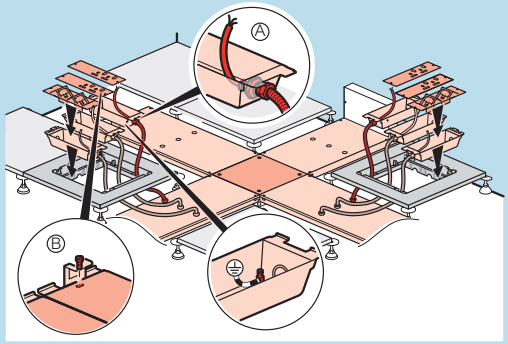
Cut raised access floor tiles according to backbox size and earth the system (minimum every 10 meters)



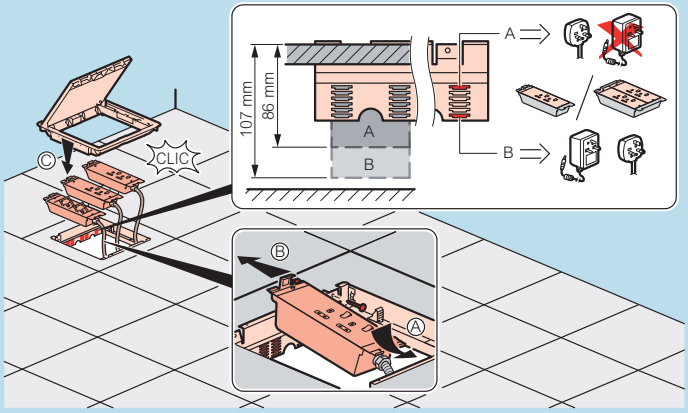
On trunking, remove knockouts to fit flexible conduit



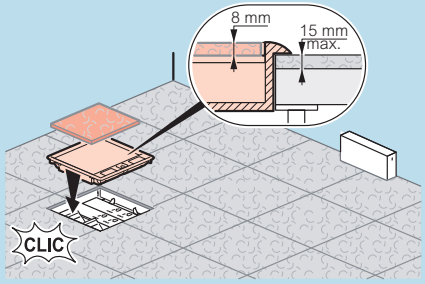
Backbox installation in the raised access floor tile is a push and fit principle. Fixing by means for screw also possible



Fix the wiring accessory plates. Earth the system



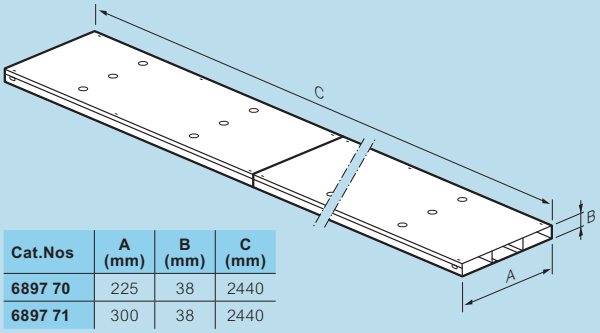
For the modular backbox, clip the individual modules to desired depth



Fit the floor covering (carpet,...) and clip the lid and trim onto the backbox (push and fit principle)

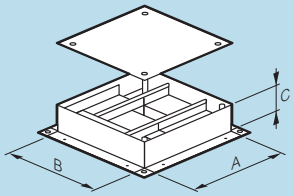
✻Dimensions

Trunking



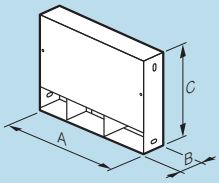
Cat.Nos	A (mm)	B (mm)	C (mm)
6897 70	225	38	2440
6897 71	300	38	2440

Junction box



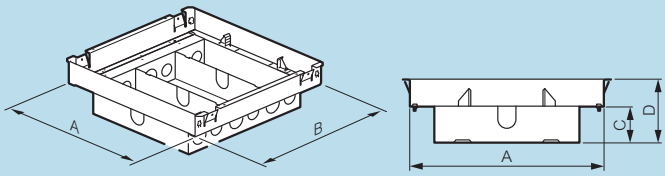
Cat.Nos	A (mm)	B (mm)	C (mm)
6897 80	225	225	38
6897 81	300	300	38
6897 78	225	300	38

Riser



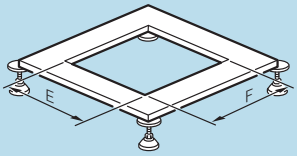
Cat.Nos	A (mm)	B (mm)	C (mm)
6897 82	225	38	201
6897 83	300	38	201

Full backbox



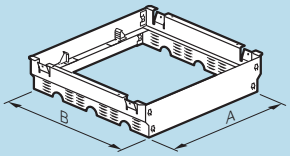
Cat.Nos	A (mm)	B (mm)	C (mm)	D (mm)	No compartment
6896 38	263	263	48	86	3
6896 48	263	340	48	86	4

Floor tile cutting



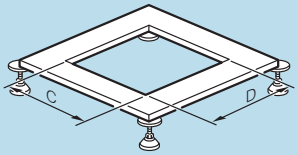
Cat.Nos	E (mm)	F (mm)
6896 38	264	264
6896 48	264	341

Support frame (modular backbox)



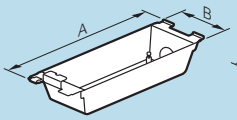
Cat.Nos	A (mm)	B (mm)	Use for trunking	No compartment
6896 39	263	263	225/300 x 38	3
6896 49	263	340	225/300 x 38	4

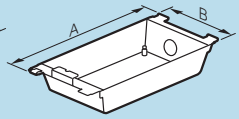
Floor tile cutting



Cat.Nos	C (mm)	D (mm)
6896 39	264	264
6896 49	264	341

Modules





Modules in high position

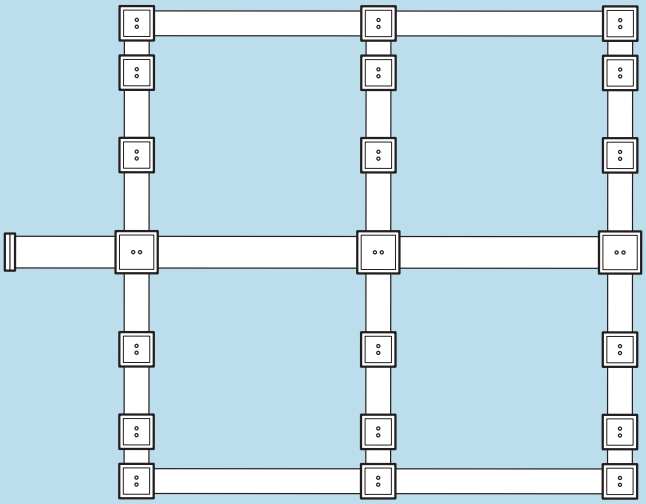
Modules in low position

Cat.Nos	A (mm)	B (mm)
6896 60 (single)	255	77
6896 61 (double)	255	154

✻ Example of layout

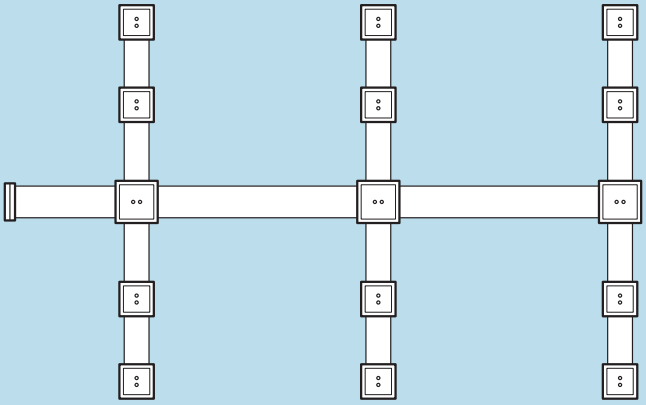
For optimal flexibility of the installation, the trunking is usually installed on either a Grid, Fishbone or a Comb Pattern of single, double or triple runs

Grid Pattern



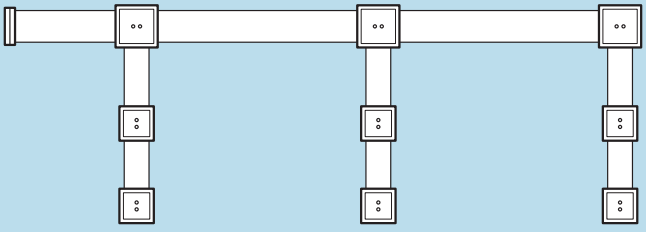
A Grid Pattern is widely used in areas where the occupants require the highest degree of flexibility in reconfiguring workspace
Capacity can be increased by returning individual ring mains through different runs of trunking, which in itself allows easier installation

Fishbone Pattern

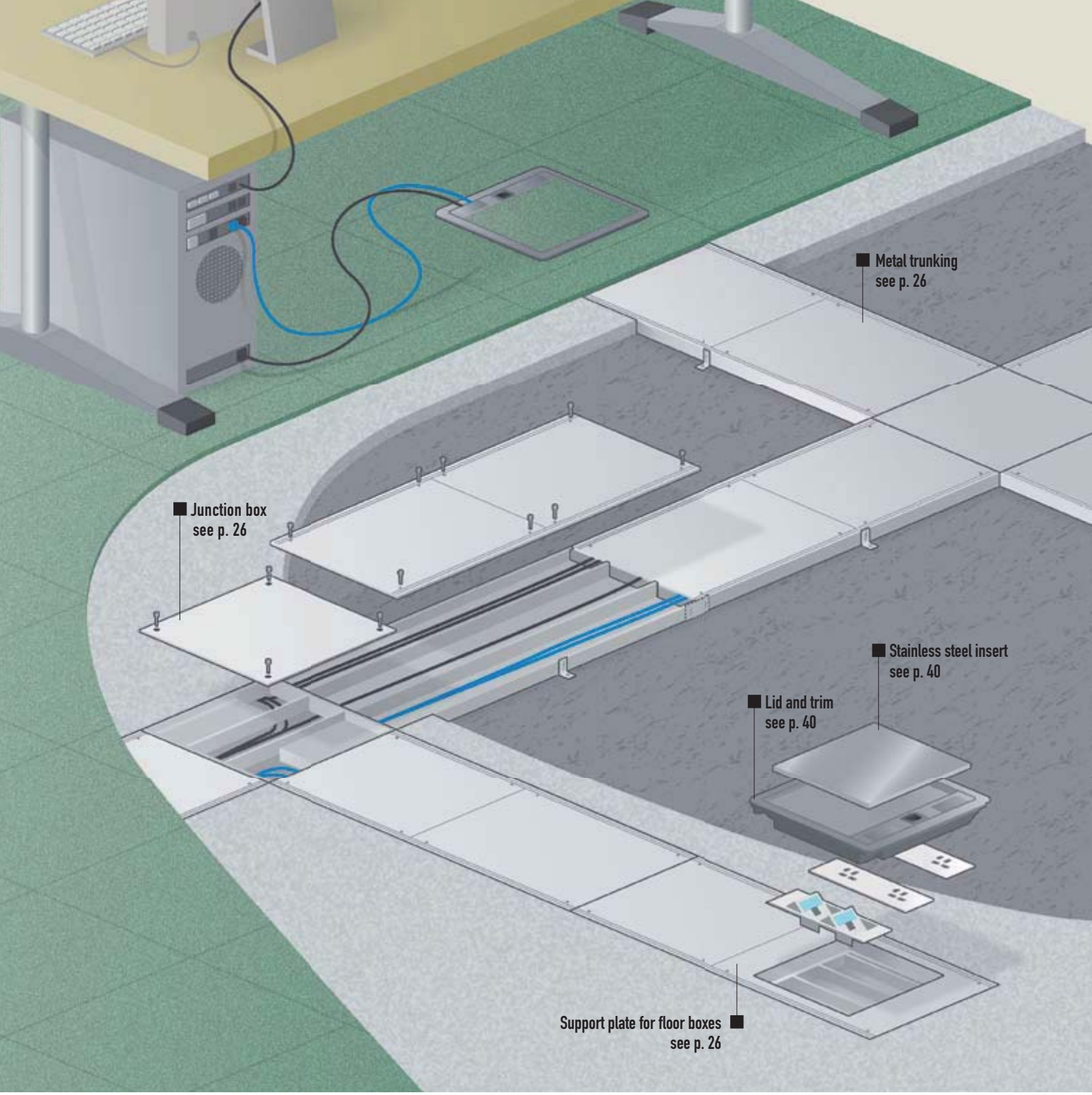


The Fishbone Pattern is ideal for a medium sized area where fewer boxes are required

Comb Pattern

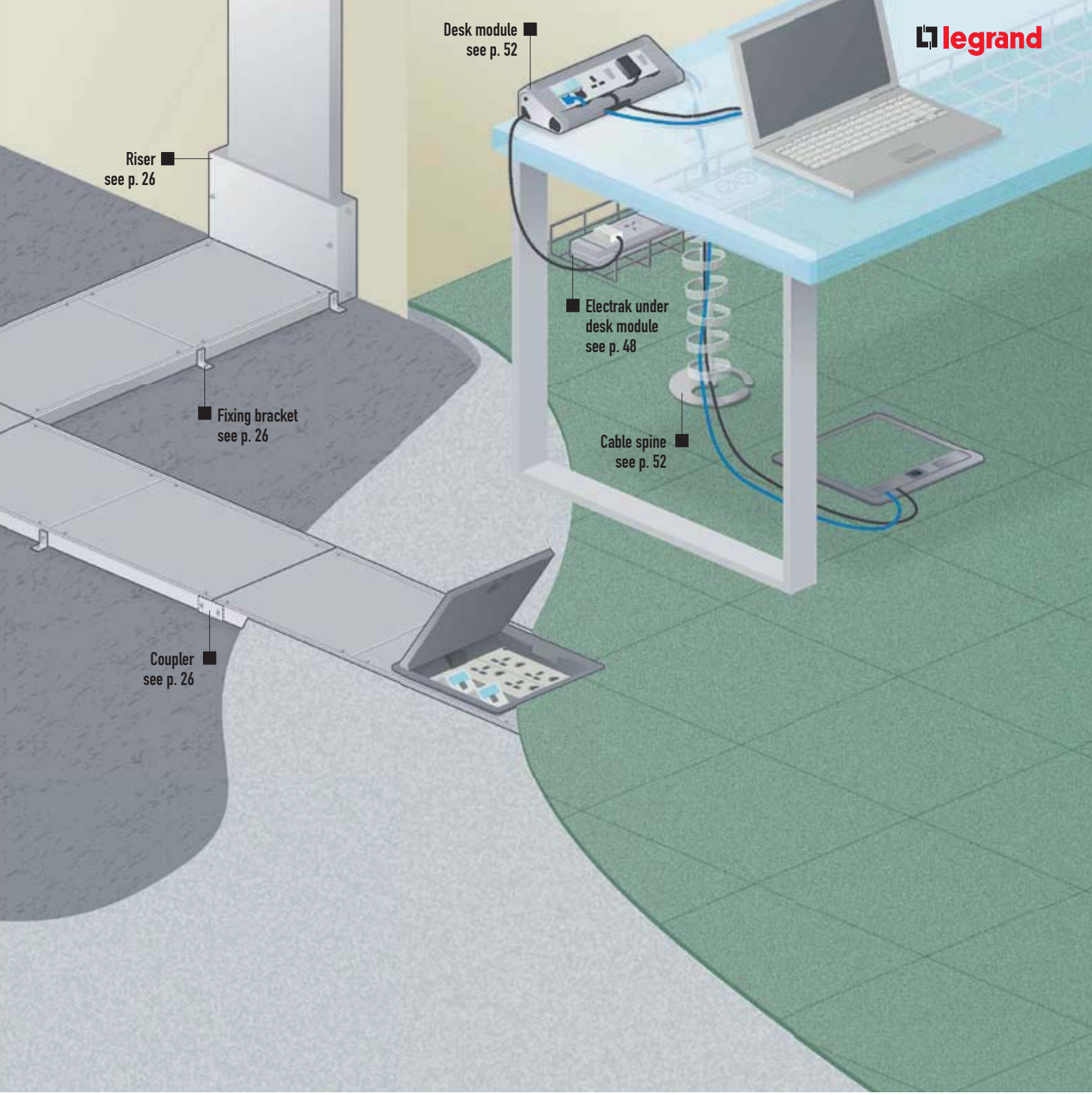


The Comb Pattern is the most economical way of installation in which a minimum of trunking is used
The Comb Pattern is suited for small to medium office areas



FLUSH FLOOR SYSTEMS

Flush floor trunking system combines robustness and flexibility, allowing power and data distribution throughout concrete floors. The system facilitates frequent maintenance operations or eventual changes of floor box locations.
Different accessories ensure quick installation and perfect integration into the concrete floor.



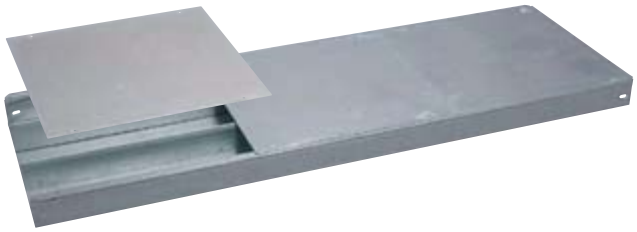
Trunking		Fixing bracket	Coupler	Junction box	Riser	End cap	Leveling kit		Support plate for floor boxes	
							for trunking	for junction boxes	3 compt	4 compt
Metal 300 x 65	6897 50	6897 55	6897 77	6897 60	6897 62	6897 65	6897 67	6897 88	6896 36	-
Metal 405 x 65	6897 51	6897 55	6897 77	6897 61	6897 63	6897 66	6897 68		6896 37	6896 47

Lid and trim for floor boxes				
Floor box		Rigid cable exit	Flexible cable exit	Stainless steel insert
3 compt	grey	6896 30	6896 31	6896 92
	beige	6896 32	6896 33	
4 compt	grey	6896 40	6896 41	6896 93
	beige	6896 42	6896 43	

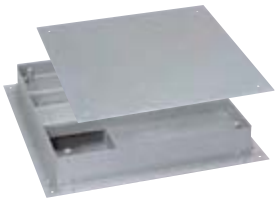
OTHER SOLUTIONS

- Raised access floor systems see page 2-3
- Screed floor system see page 30-31
- Floor boxes and other connection points see page 38-39
- Wall and ceiling systems see page 54-55
- Arteor wiring devices see page 70-71

flush floor metal trunking system


6897 51

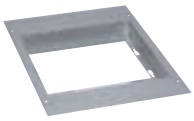

6897 57


6897 61


6897 63


6897 66

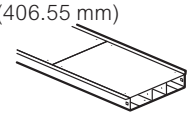

6897 68


6896 36

Conform to BS EN 50085-1: 2005 and EN 50085-2.2
Provides power and data distribution channels in concrete floors
This robust system offers a high degree of flexibility for applications requiring frequent maintenance or frequent layout changes
Compatible with Cat. 6 structured cabling system

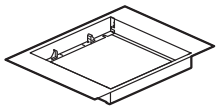
Metal trunking

Pack.	Cat.Nos	
		IP 20 - IK 08 3 compartments (for separation between ELV and LV cables) made of pre-galvanised steel Supplied complete with 6 covers (406.55 mm) and dividers Length 2.44 m
1	6897 50	300 x 65 mm
1	6897 51	405 x 65 mm



Support plate for floor boxes

Pack.	Cat.Nos	
		To be fitted with lid and trim (p. 40) Integrating socket outlets or support plates (p. 41)
		For 300 x 65 mm trunking
1	6896 36	For 3 compartments
		For 405 x 65 mm trunking
1	6896 37	For 3 compartments
1	6896 47	For 4 compartments

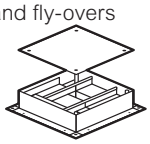


Trunking accessories

Pack.	Cat.Nos	
		Fixing bracket
10	6897 55	For fixing trunking on floor or on leveling bracket

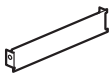
		Coupler
10	6897 57	For joining trunkings

		Junction boxes For direct access to cables at the intersection of trunkings while maintaining perfect separartion between ELV and LV cables Supplied complete with base, cover and fly-overs
1	6897 60	For 300 x 65 mm trunking
1	6897 61	For 405 x 65 mm trunking
1	6897 69	For junction between 300 x 65 and 405 x 65 mm trunkings

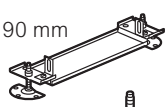


		Risers
1	6897 62	For 300 x 65 mm trunking
1	6897 63	For 405 x 65 mm trunking

		End caps
5	6897 65	For 300 x 65 mm trunking
4	6897 66	For 405 x 65 mm trunking



		Leveling kit for trunking For raising trunking level up to 70 to 90 mm
10	6897 67	For 300 x 65 mm trunking
10	6897 68	For 405 x 65 mm trunking

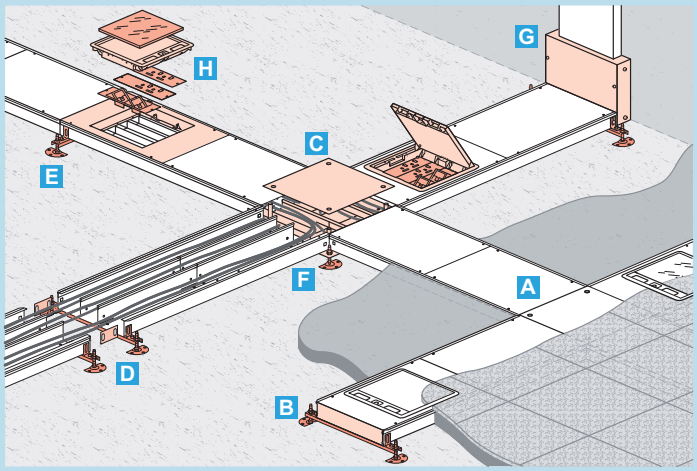


		Leveling kit for junction boxes
1	6897 88	For raising junction box level up to 70 to 90 mm

Lids and trims for floor boxes (p. 40)

flush floor metal trunking system

System overview



A Trunking
B End cap
C Junction box
D Coupler and leveling kit
E Fixing bracket and leveling for trunking
F Leveling for junction box
G Riser
H Floor box (support plate + lid and trim) Socket outlets and data sockets plates to be ordered separately

Standards

Metal trunking according to standard EN 60-670 and EN 50085-2.2

It ensures constant performance along the entire distribution up to the user connection point

Classification for flush floor		Flush floor
6.2	Resistance to impact for installation and application	2.0 J
6.3	Minimum storage and transport temperature	- 25 °C
6.3	Minimum installation and application temperature	- 5 °C
6.3	Maximum application temperature	+ 60 °C
6.4	Resistance to flame propagation	Non-flame propagating
6.5	Electrical continuity characteristics	With electrical continuity characteristic (metal ducting & accessories)
6.6	Electrical insulating characteristics	Without electrical insulating characteristic (metal ducting & accessories)
6.7	Degree of protection provided by enclosure	IP 20
6.9	System access cover retention	With a tool
6.101	Floor treatment	For dry treatment of floor
6.102	Resistance to a vertical load applied over a small surface area	1500 N(1)
6.103	Optional classification: resistance to vertical load applied through large surface area	3000 N
6.103	Rated voltage	500 V
6.103	Protection against lechanical impact	IK 08

(1) For 4 compartments, resistance to vertical load applied over a small surface area = 750 N

Materials

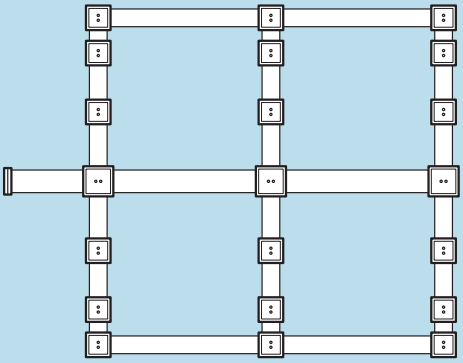
Metal trunking and accessories

Material pre-galvanised sheet steel (DX51D Z275 MAC)
Standard length: 2.44 m
Number of compartments: 3 compartments
Standard depth: 65 mm
Standard thickness: 1.5 mm for body/2.5 mm for covers/1 mm for dividers

Example of layout

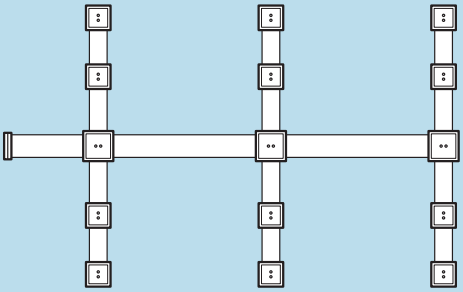
In order that the installation may exhibit the desired flexibility, the ducting is usually laid out on either a Grid, Fishbone or a Comb Pattern of single, double or triple runs

Grid Pattern



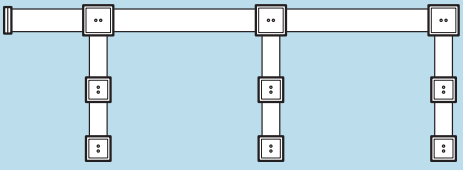
A Grid Pattern is widely used in areas where the occupants require the highest degree of flexibility in reconfiguring workspace
Capacity can be increased by returning individual ring mains through different runs of trunking, which in itself allows easier installation

Fishbone Pattern



The Fishbone Pattern is ideal for a medium sized area where fewer boxes are required

Comb Pattern



The Comb Pattern is the most economical way of installation in which a minimum of trunking is used
The Comb Pattern is suited for small to medium office areas

Composition and functions for flush floor system

		Fixing brakets	Coupler	End cap	Leveling		Riser	Junction box	Support plate for floor boxes	
									3 compt	4 compt(1)
300 x 65 Metal	6897 50	6897 55	6897 57	6897 65	6897 67	6897 88	6897 62	6897 60 (300 x 65)	6896 36	-
405 x 65 Metal	6897 51			6897 66	6897 68		6897 63	6897 69 (300/405 x 65) / 6897 61 (405 x 65)	6896 37	6896 47

Lid and trim for floor boxes				
Floor box		Rigid cable exits	Flexible cable exits	Stainless steel insert
3 compt	grey	6896 30	6896 31	6896 92
	beige	6896 32	6896 33	
4 compt(1)	grey	6896 40	6896 41	6896 93
	beige	6896 42	6896 43	

(1) For 4 compartments, resistance to vertical load applied over a small surface area = 750 N

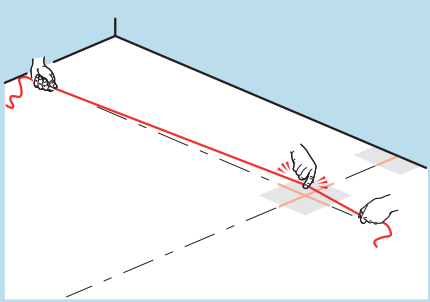
Cable capacity guide

The number and location of boxes will depend upon the end user's requirement
A floor box should be considered for each workstation or desk with an average of 1 FB for every 10 m²

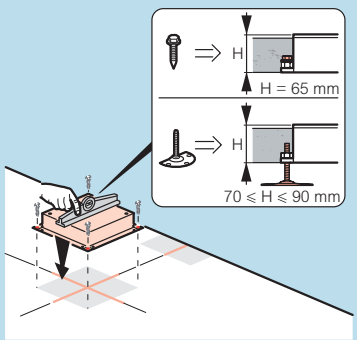
			Capacity: maximum number of conductors per compartment (for one specific cable type)													
			PVC stranded							Twin & earth						
Ducting	Compartment	Available section at 45 % fill mm²	1,5² Ø3.3	2,5² Ø4	4² Ø4.6	6² Ø5.2	10² Ø6.7	16² Ø7.8	25² Ø9.7	2,5² Ø10.5	4² Ø11.2	6² Ø3.3	cat. 5e UTP Ø5.5	cat. 5e STP Ø6	cat. 6 UTP Ø6.5	cat. 6 STP Ø7
300 x 65	1	2992	348	237	180	141	85	63	40	35	30	20	99	83	71	61
	2	2086	243	166	126	98	59	44	28	24	21	14	69	58	49	43
	3	2992	348	237	180	141	85	63	40	35	30	20	99	83	71	61
405 x 65	1	3389	394	269	204	160	96	71	46	39	34	23	112	94	80	69
	2	4200	488	333	253	198	119	88	57	49	42	28	139	117	100	86
	3	3389	394	269	204	160	96	71	46	39	34	23	112	94	80	69

The above table gives the available capacity units on a 45 % factor, applied to the internal wiring area

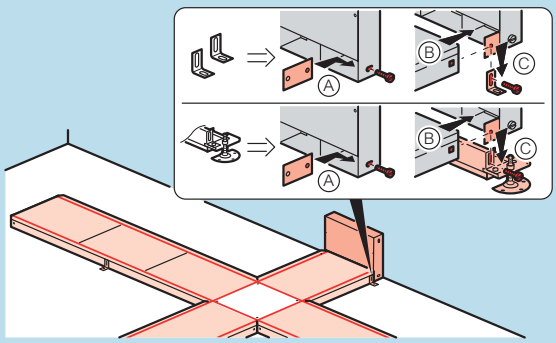
Installation principle



Mark the pathway for trunking and junction boxes

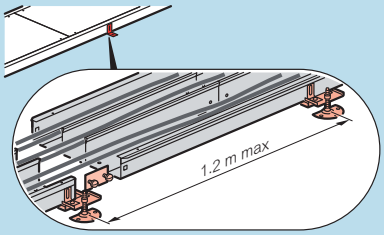


Fix risers junction boxes on the slab. Use levelling kits if screed level is between 70 and 90 mm

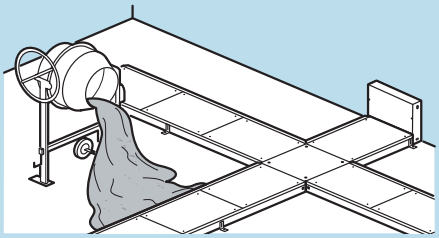


Fix trunking and all accessories with fixing brackets

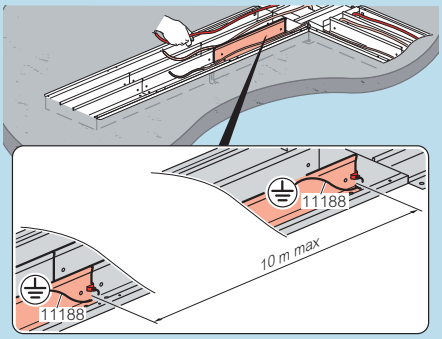
Installation principle



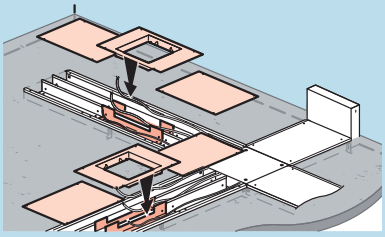
If levelling is required, use levelling kits and do not exceed 1.2 m between levelling brackets



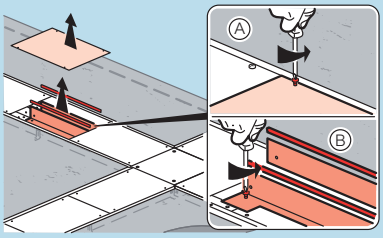
Pour concrete

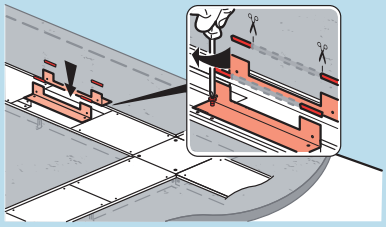


Earth the system (minimum every 10 m)

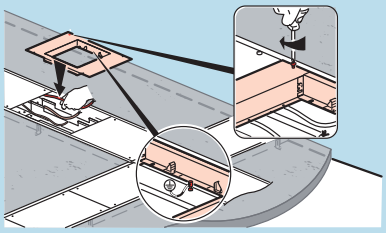


Once the screed is dry, remove the covers and cable the trunking

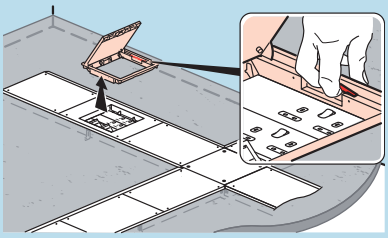


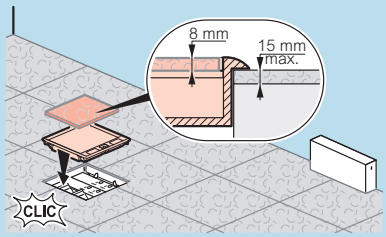


To fit the floor box, remove cover and the rubber gasket. Remove the dividers, fix them up-side-down and reposition rubber gasket



Fix floor box support plate, and earth it

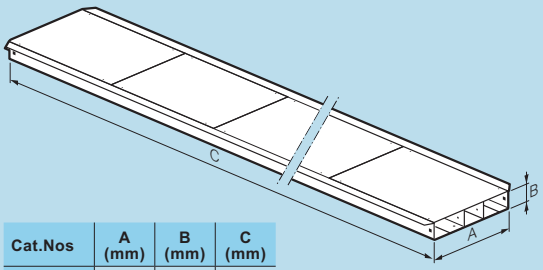




Connect wiring and fix the wiring accessory plates. Fit the carpet and clip the lid and trim on the support plate (push and fit principle)

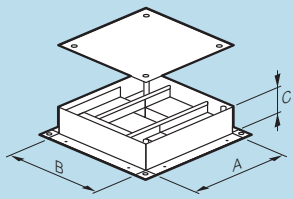
Dimensions

Trunking



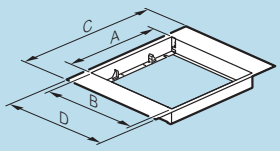
Cat.Nos	A (mm)	B (mm)	C (mm)
6897 50	300	65	2440
6897 51	405	65	2440

Junction box



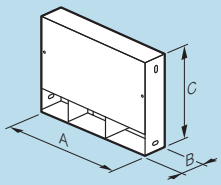
Cat.Nos	A (mm)	B (mm)	C (mm)
6897 60	360	360	66.6
6897 61	465	465	66.6
6897 69	360	465	66.6

Support plate for floor boxes

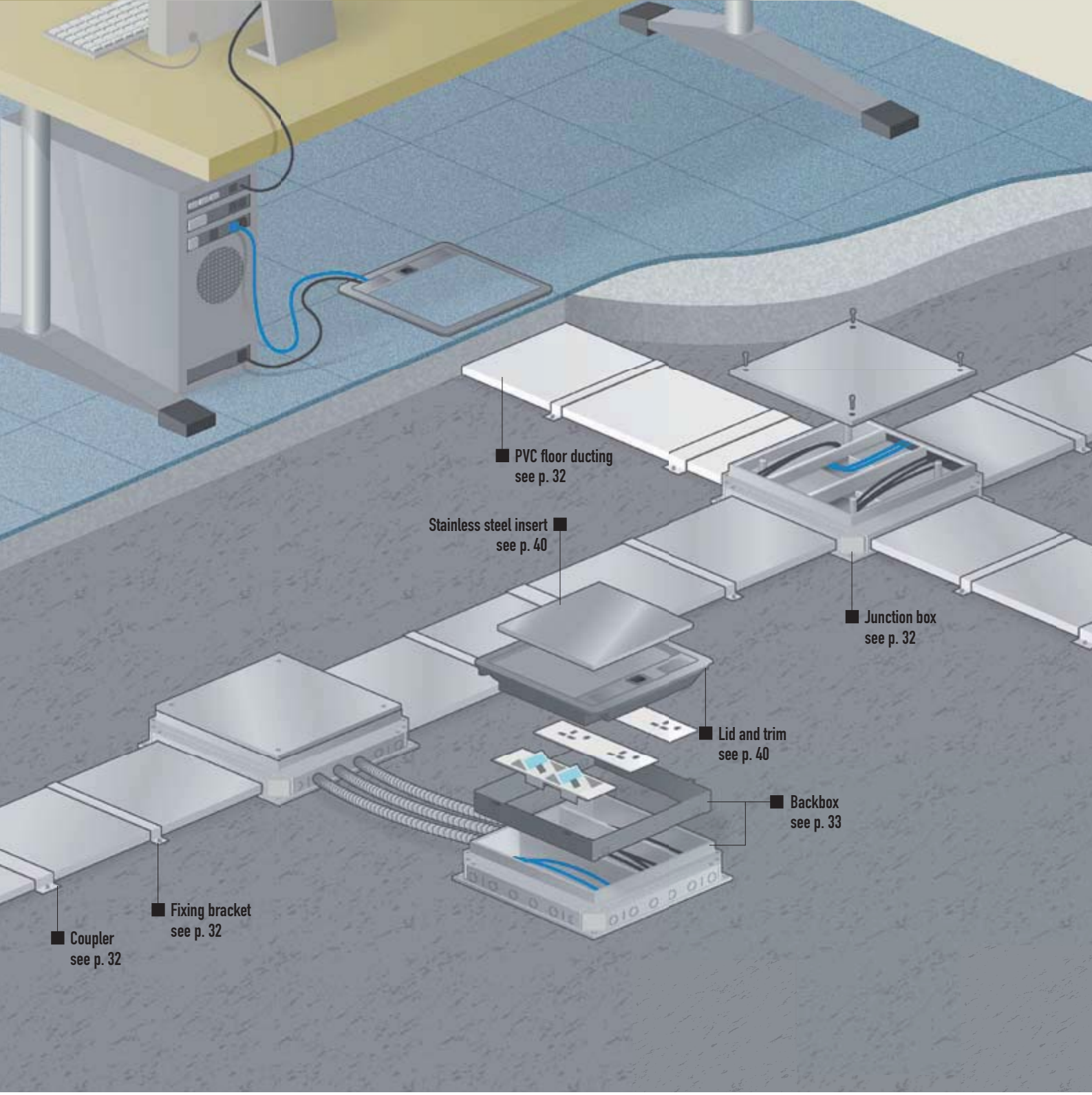


Cat.Nos	A (mm)	B (mm)	C (mm)	D (mm)
6896 36	264	264	406.5	300
6896 37	264	264	406.5	405
6896 47	264	340	406.5	405

Riser

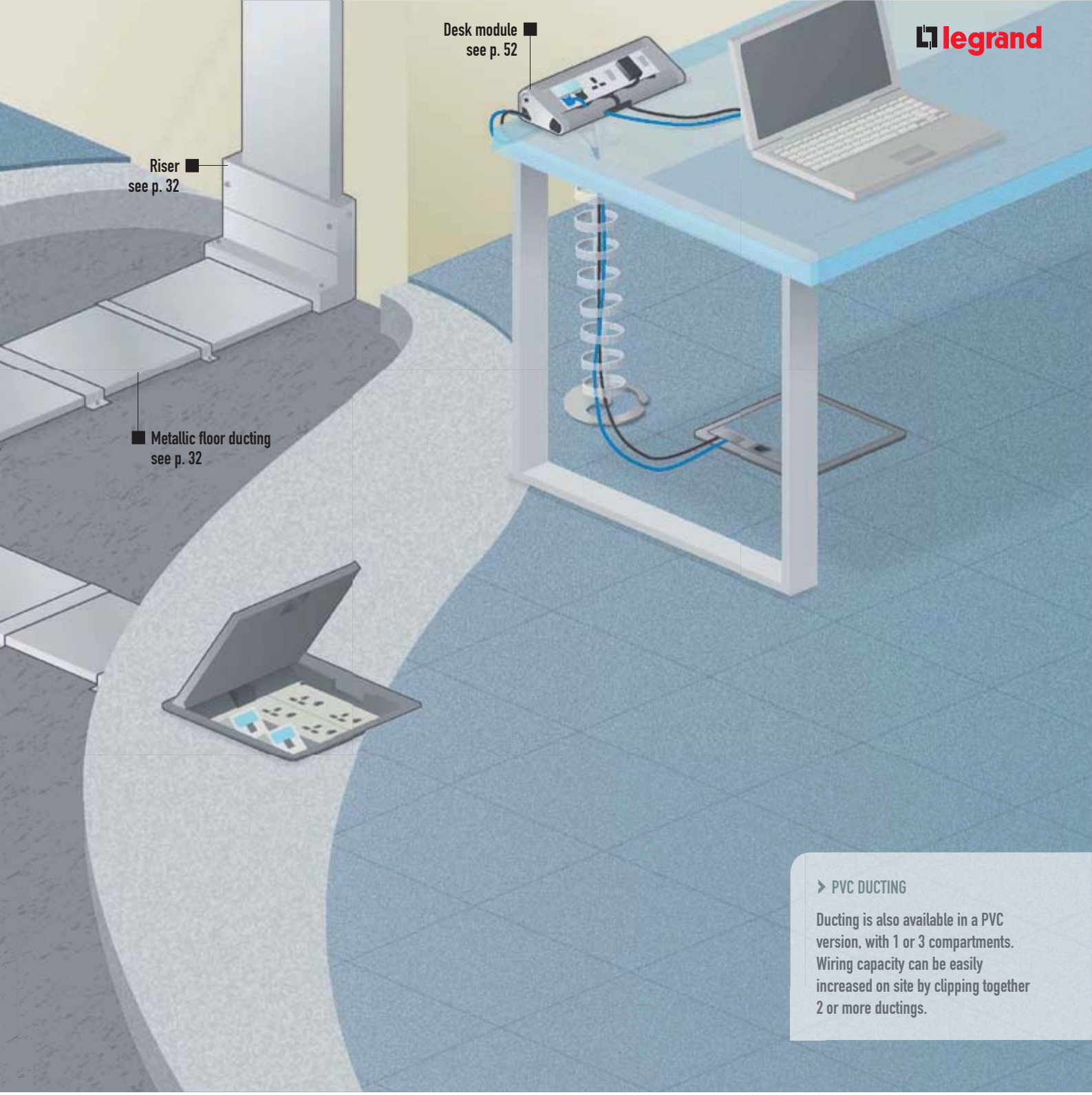


Cat.Nos	A (mm)	B (mm)	C (mm)
6897 62	300	65	201
6897 63	405	65	201



SCREED FLOOR SYSTEMS

Screed PVC and metallic ducting are a quick and easy way to install power and data distribution throughout screed floors. These systems are particularly robust and are designed to support superior loads. Junction boxes and risers allow easy access when installing cables or for extensions.
All the accessories are compatible with both PVC and metal ducting.



PVC DUCTING

Ducting is also available in a PVC version, with 1 or 3 compartments. Wiring capacity can be easily increased on site by clipping together 2 or more ductings.

Ducting		Fixing bracket	Coupler	Junction box	Riser	End cap	Backbox	
							3 compt	4 compt
PVC 75 x 25	6897 00	6897 10	6897 11	-	-	6897 14	-	-
PVC 150 x 25	2x 6897 00	6897 15	6897 16	6897 22	6897 23	6897 19	6896 34 (225 x 225) or 6896 35 (300 x 300)	6896 45
PVC 225 x 25	6897 01	6897 20	6897 21	6897 22	6897 23	6897 24		6896 45
PVC 300 x 25	1 x 6897 00 + 1 x 6897 01	6897 30	6897 31	6897 32	6897 33	6897 34	6896 35	6896 45
Metal 225 x 25	6897 05	6897 20	6897 21	6897 22	6897 23	6897 24	6896 34 (225 x 225) or 6896 35 (300 x 300)	6896 45
Metal 225 x 38	6897 06	6897 25	6897 26	6897 22	6897 33	6897 29		6896 45
Metal 300 x 25	6897 07	6897 30	6897 31	6897 32	6897 33	6897 34	6896 35	6896 45
Metal 300 x 38	6897 08	6897 35	6897 36	6897 32	6897 33	6897 39	6896 35	6896 45

Lid and trim for floor boxes				
Floor box		Rigid cable exit	Flexible cable exit	Stainless steel insert
3 compt	grey	6896 30	6896 31	6896 92
	beige	6896 32	6896 33	
4 compt	grey	6896 40	6896 41	6896 93
	beige	6896 42	6896 43	

OTHER SOLUTIONS

- Raised access floor systems — see page 2-3
- Flush floor system — see page 24-25
- Floor boxes and other connection points — see page 38-39
- Wall and ceiling systems — see page 54-55
- Arteor wiring devices — see page 70-71

screed floor ducting system
floor ducting and accessories


6897 00


6897 01


6897 00 + 6897 01


6897 05


6897 20


6897 21


6897 22

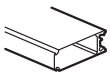

6897 23

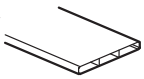

6897 24

Technical characteristics (p. 33)

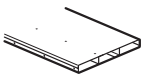
Conform to EN 50 085-2.2
Ductings are made from PVC or galvanised steel
Minimum screed height 65 mm
Compatible with Cat. 6 structured cabling systems

Pack	Cat.Nos	PVC floor ducting
		IP 20 - IK 08 For distributing LV and ELV cabling in screed floor installations PVC Can be combined with junction boxes, backboxes for wiring devices, fixing and coupler accessories Optimized profile to increase cabling capacity
		Ducting height 25 mm
9	6897 00	75 x 25 mm - 1 compartment Can be assembled to obtain multiple compartment configurations For 150 x25 mm, 2-compartment floor ducting use 2 x Cat.No 6897 00
1	6897 01	225 x 25 mm - 3 compartments For 300 x 25 mm, 4-compartment floor ducting use 1 x Cat.No 6897 00 + 1 x Cat.No 6897 01

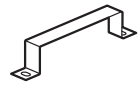


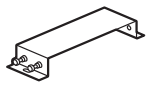


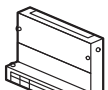
Pack	Cat.Nos	Metal floor ducting
		IP 20 - IK 08 For distributing LV and ELV cabling in screed floors installations. Particularly suitable for applications requiring EMC screening Pre-galvanised sheet Can be combined with junction boxes, backboxes for wiring devices, fixing and coupler accessories
		Ducting height 25 mm
1	6897 05	225 x 25 mm - 3 compartments
1	6897 07	300 x 25 mm - 3 compartments
		Ducting height 38 mm
1	6897 06	225 x 38 mm - 3 compartments
1	6897 08	300 x 38 mm - 3 compartments



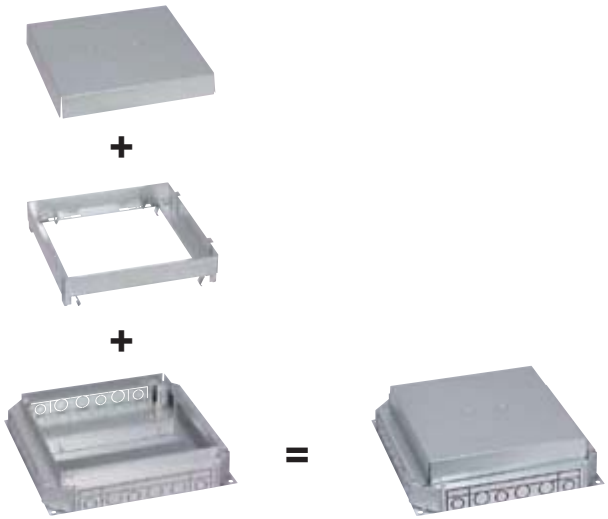
Pack	Cat.Nos	Ducting accessories
		Fixing bracket For fixing floor ducting on the floor
40	6897 10	For 75 x 25 mm ducting (PVC)
40	6897 15	For 150 x 25 mm ducting (PVC)
40	6897 20	For 225 x 25 mm ductings (PVC and metal)
25	6897 25	For 225 x 38 mm ducting (metal)
40	6897 30	For 300 x 25 mm ductings (PVC and metal)
25	6897 35	For 300 x 38 mm ducting (metal)
		Coupler For joining ductings
10	6897 11	For 75 x 25 mm ducting
10	6897 16	For 150 x 25 mm ducting
10	6897 21	For 225 x 25 mm ductings (PVC and metal)
5	6897 26	For 225 x 38 mm ducting
10	6897 31	For 300 x 25 mm ductings (PVC and metal)
5	6897 36	For 300 x 38 mm ducting
		Junction box For direct access to cables at the intersection of floor ductings while maintaining perfect separation between ELV and LV cables Supplied complete with base, cover fly-overs and site cover
1	6897 22	For 150 and 225 mm width ductings
1	6897 32	For 300 mm width ducting
		Riser
1	6897 23	For 150 and 225 mm width trunkings
1	6897 33	For 300 mm width trunkings
		End cap
20	6897 14	For 75 x 25 mm ducting
10	6897 19	For 150 x 25 mm ducting
10	6897 24	For 225 x 25 mm ductings (PVC and metal)
5	6897 29	For 225 x 38 mm ducting
15	6897 34	For 300 x 25 mm ductings (PVC and metal)
10	6897 39	For 300 x 38 mm ducting







screed floor ducting system
backboxes



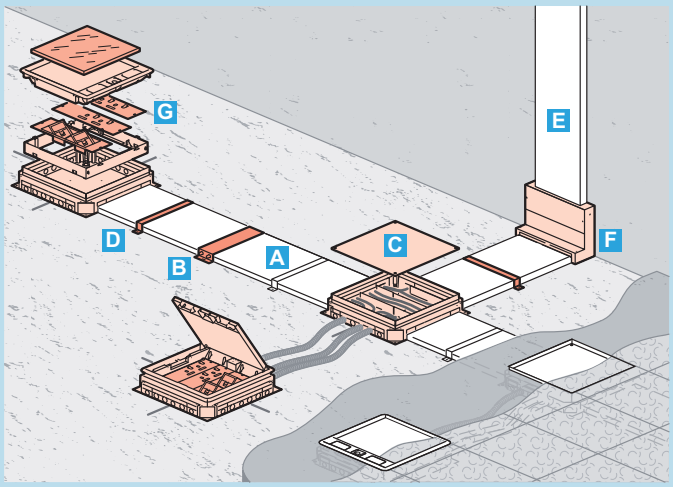
6896 34

Technical characteristics (p. 33)

Pack	Cat.Nos	Back-boxes
		To be fitted with lid and trim (p. 40) Integrating socket outlets or support plates (p. 41) Accept PVC and metal screed floor ducting and conduits Ø20 and 25 mm Auto-adjustable to screed height 65 up to 90 mm
		For ducting up to 225 mm
1	6896 34	3 compartments
		For ducting up to 300 mm
1	6896 35	3 compartments
1	6896 45	4 compartments

Lids and trims for floor boxes (p. 40)

System overview



- A Ducting
- B Coupler
- C Junction box
- D Fixing bracket
- E Vertical trunking such as DLP
- F Riser
- G Floor box (back-box + lid and trim)
  Socket outlets and data socket plates to be ordered separately

Standards

Standard EN 60-670 and EN 50085-2-2 concerns systems for distributing currents in the floor (sunken or surface mounted)
It ensures constant performance along the entire distribution up to the user connection point

Classification for screed floor		Screed floor
6.2	Resistance to impact for installation and application	2.0 J
6.3	Minimum storage and transport temperature	- 25 °C
6.3	Minimum installation and application temperature	- 5 °C
6.3	Maximum application temperature	+ 60 °C
6.4	Resistance to flame propagation	Non-flame propagating
6.5	Electrical continuity characteristics	Without electrical continuity characteristic (PVC ducting) With electrical continuity characteristic (metal ducting & accessories)
6.6	Electrical insulating characteristics	With electrical insulating characteristic (PVC ducting) Without electrical insulating characteristic (Metal ducting & accessories)
6.7	Degree of protection provided by enclosure	IP 20
6.9	System access cover retention	With a tool
6.101	Floor treatment	For dry-treatment of floor
6.102	Resistance to vertical load applied through small surface area	1500 N(1)
6.103	Optional classification: resistance to vertical load applied through large surface area	3 000 N
	Rated voltage (PVC ducting)	500 V
	Protection against mechanical impact	IK 08

(1) For 4 compartments, resistance to vertical load applied over a small surface area = 750 N

Materials

PVC Ducting

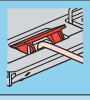
Duct straight lengths are extruded from PVC
Appearance: all PVC duct are smooth, grey colour
Fire: non flame propagating
Chemical resistance: non-corrosive and not affected by sea water
Excellent resistance to mineral acids, alkalis and detergents but liable to attack from solvents
PVC duct is non-conductive
Workability: the duct is light weight and can be easily cut with hand tools

Metal Duct and Accessories

Material pre-galvanised sheet (DX51D Z275 MAC)
Standard thickness: 1.2 mm for body/1 mm for dividers
Standard length: 2.44 m
Number of compartments: 3 compartments
Standard depth: 25 mm and 38 mm

Composition and functions for screed floor system

		Fixing braket	Coupler	Junction box	Riser	End cap	Backbox	
								
							3 compt	4 compt
75 x 25 (mm) PVC	6897 00	6897 10	6897 11	-	-	6897 14	-	-
150 x 25 (mm) PVC	2 x 6897 00	6897 15	6897 16	6897 22	6897 23	6897 19	6896 34 or 6896 35	6896 45
225 x 25 (mm) PVC	6897 01	6897 20	6897 21			6897 24		
225 x 25 (mm) Metal	6897 05							
225 x 38 (mm) Metal	6897 06	6897 25	6897 26			6897 29		
300 x 25 (mm) Metal	6897 07	6897 30	6897 31	6897 32	6897 33	6897 34	6896 35	6896 45
300 x 25 (mm) PVC	6897 00 + 6897 01							
300 x 38 (mm) Metal	6897 08	6897 35	6897 36			6897 39		

Lid and trim for floor boxes				
Floor box		Rigid cable exits	Flexible cable exits	Stainless steel insert
					
3 compt	grey	6896 30	6896 31	6896 92
	beige	6896 32	6896 33	
4 compt(1)	grey	6896 40	6896 41	6896 93
	beige	6896 42	6896 43	

(1) For 4 compartments, resistance to vertical load applied over a small surface area = 750 N

Cable capacity guide

The number and location of boxes will depend upon the end user's requirement
A floor box should be considered for each workstation or desk with an average of 1 FB for every 10 m²

PVC ducting

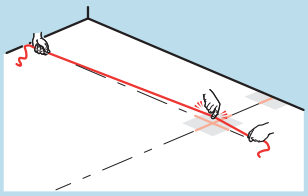
			Capacity: maximum number of conductors per compartment (for one specific cable type)													
			PVC stranded							Twin & earth						
Dimensions	Compartment	Available section at 45 % fill mm²	1,5² Ø3.3	2,5² Ø4	4² Ø4.6	6² Ø5.2	10² Ø6.7	16² Ø7.8	25² Ø9.7	2,5² Ø10.5	4² Ø11.2	6² Ø3.3	cat. 5e UTP Ø5.5	cat. 5e STP Ø6	cat. 6 UTP Ø6.5	cat. 6 STP Ø7
75x25	1	754	88	60	45	36	21	16	10	9	8	5	25	21	18	15
225x25	1 3	680	79	54	41	32	19	14	9	8	7	5	23	19	16	14
	2	671	78	53	40	32	19	14	9	8	7	5	22	19	16	14

Metal ducting

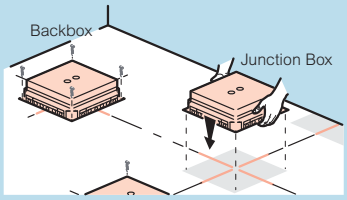
			Capacity: maximum number of conductors per compartment (for one specific cable type)													
			PVC stranded							Twin & earth						
Dimensions	Compartment	Available section at 45 % fill mm²	1,5² Ø3.3	2,5² Ø4	4² Ø4.6	6² Ø5.2	10² Ø6.7	16² Ø7.8	25² Ø9.7	2,5² Ø10.5	4² Ø11.2	6² Ø13.7	cat. 5e UTP Ø5.5	cat. 5e STP Ø6	cat. 6 UTP Ø6.5	cat. 6 STP Ø7
225x25	1 2 3	739	86	59	45	35	21	15	10	9	7	5	24	21	18	15
225x38	1 2 3	1164	135	92	70	55	33	24	16	14	12	8	39	32	28	24
300x25	1 2 3	994	116	79	60	47	28	21	13	12	10	7	33	28	24	20
300x38	1 2 3	1566	182	124	94	74	44	33	21	18	16	11	52	43	37	32

The above table gives the available capacity units on a 45 % factor, applied to the internal wiring area

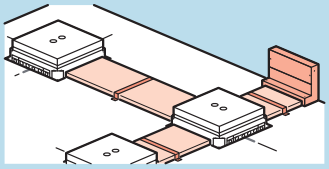
Installation principle



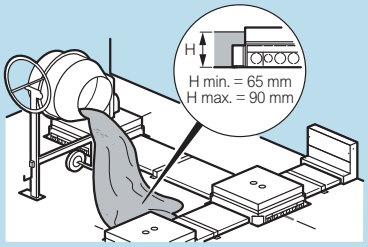
Mark pathway for trunking, junction boxes and backboxes



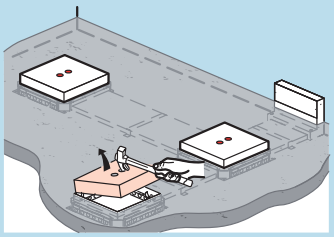
Fix risers, junction boxes and backboxes on the slab



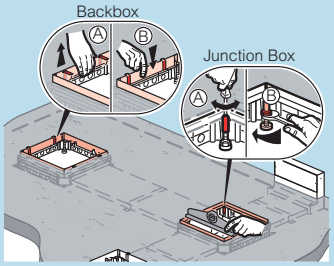
Fix trunking with couplers and fixing brakets



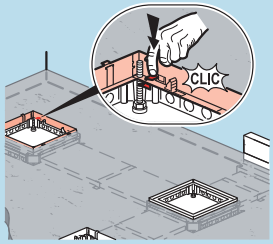
Pour concrete

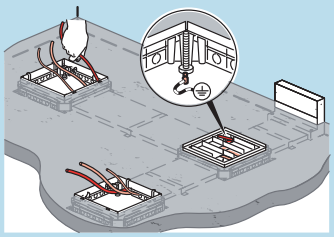


Remove disposable metal cover



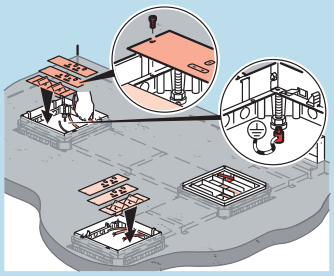
Backbox: lift the frame (A) and retainers will automatically drop out (B). Lock the frame onto the backbox by pushing down clips onto the treaded rod. Junction box: adjust junction box to floor level



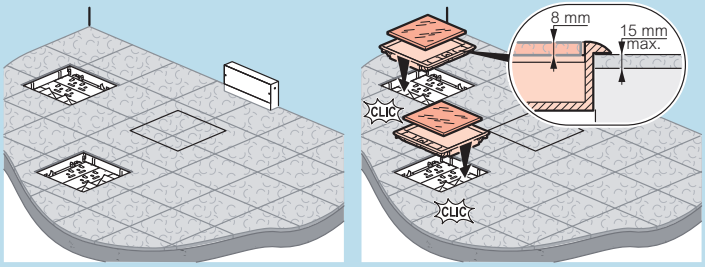


Cable ducting and earth junction boxes

Installation principle (continued)



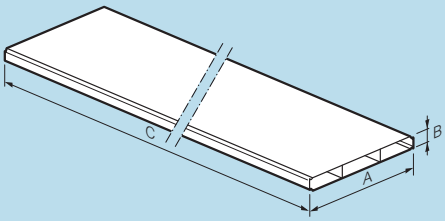
Connect wiring and fix the wiring accessory plates onto the backbox. Earth the system



Fit carpet and clip the lid and trim onto the backbox (push and fit principle)

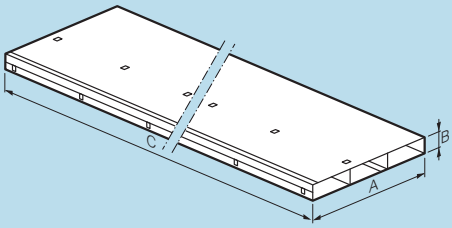
Dimensions

PVC ducting



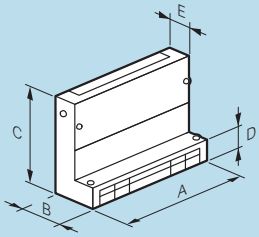
Cat.Nos	A (mm)	B (mm)	C (mm)
6897 00	75	25	2000
6897 01	225	25	2000

Metal ducting



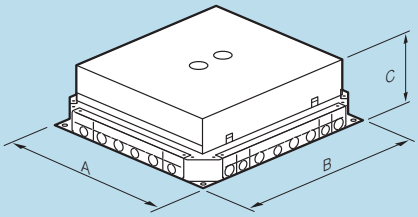
Cat.Nos	A (mm)	B (mm)	C (mm)
6897 05	225	25	2440
6897 06	225	38	2440
6897 07	300	25	2440
6897 08	300	38	2440

Riser



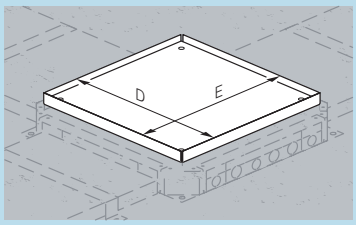
Cat.Nos	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
6897 23	250	89	201	43	52
6897 28	250	89	201	43	52
6897 33	325	89	201	43	52
6897 38	325	89	201	43	52

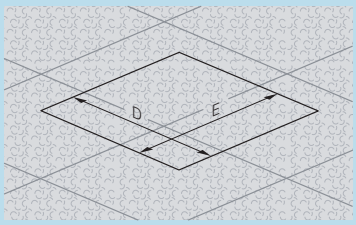
Junction box



Cat.Nos	A (mm)	B (mm)	C (mm)
6897 22	325	325	90
6897 32	400	400	90

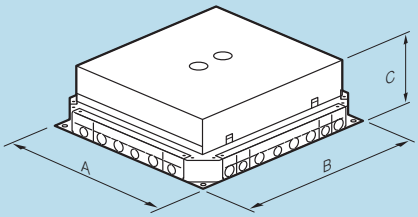
Dimensions for carpet cut out on junction box lid





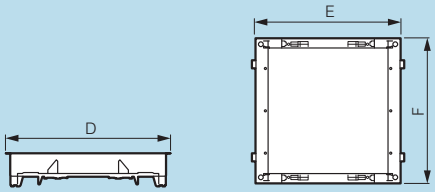
Cat.Nos	D (mm)	E (mm)
6897 22	260	260
6897 32	335	335

Back-box



Cat.Nos	A (mm)	B (mm)	C (mm)
6896 34	325	325	90
6896 35	400	400	90
6896 45	400	325	90

Dimensions for carpet cut out on backbox support frame

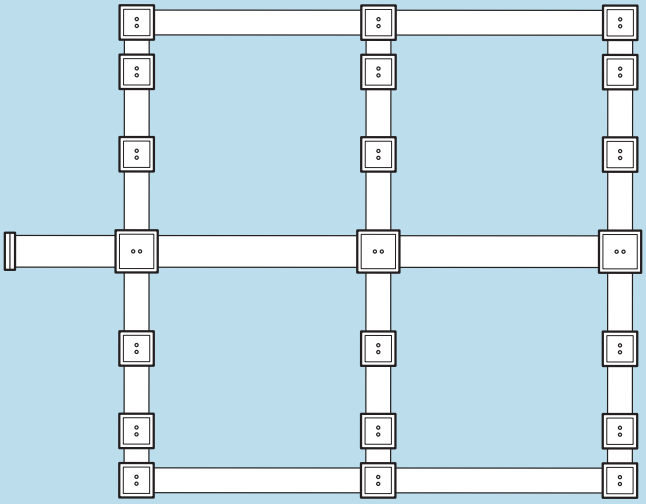


Cat.Nos	Carpet cut out		
	D (mm)	E (mm)	F (mm)
6896 34	276	264	264
6896 35	276	264	264
6896 45	276	264	340

✻ Example of layout

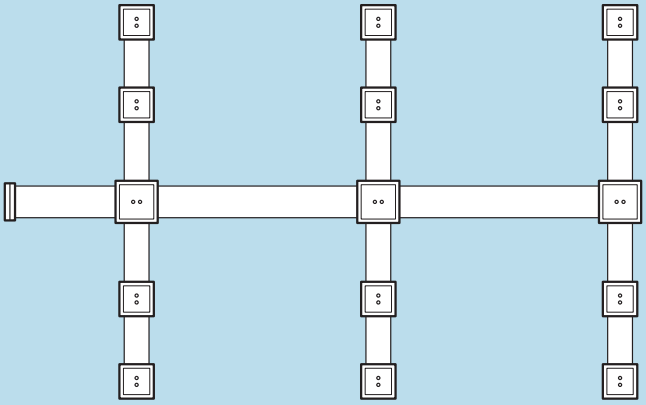
For optimal flexibility of the installation, the trunking is usually installed on either a Grid, Fishbone or a Comb Pattern of single, double or triple runs

Grid Pattern



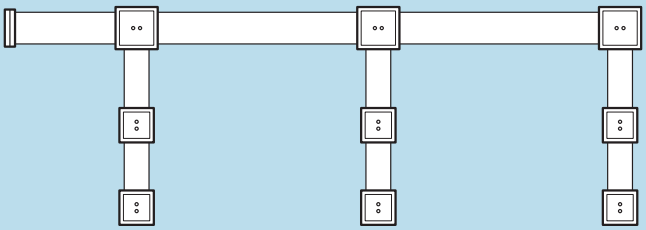
A Grid Pattern is widely used in areas where the occupants require the highest degree of flexibility in reconfiguring workspace
Capacity can be increased by returning individual ring mains through different runs of trunking, which in itself allows easier installation

Fishbone Pattern

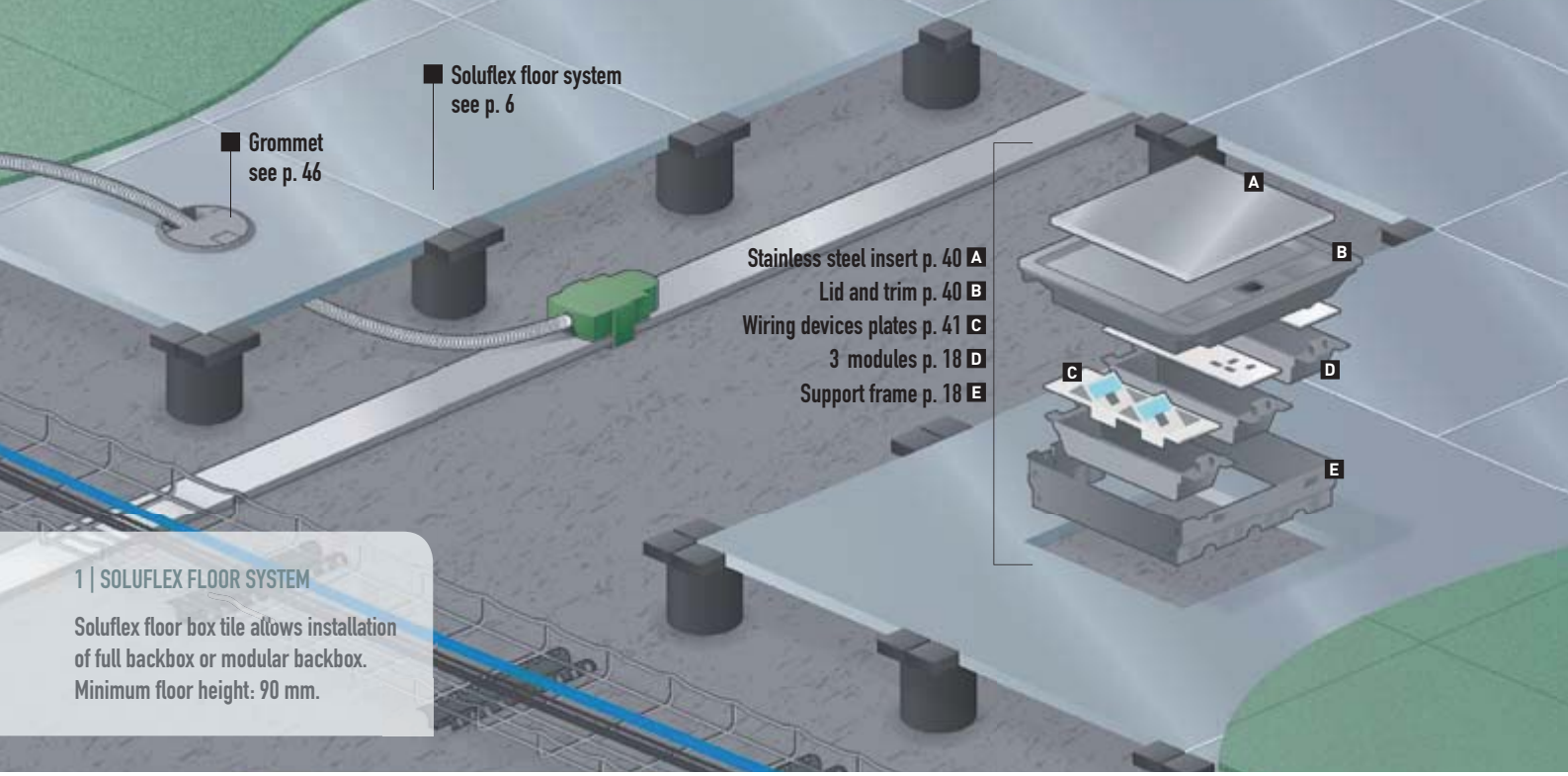


The Fishbone Pattern is ideal for a medium sized area where fewer boxes are required

Comb Pattern

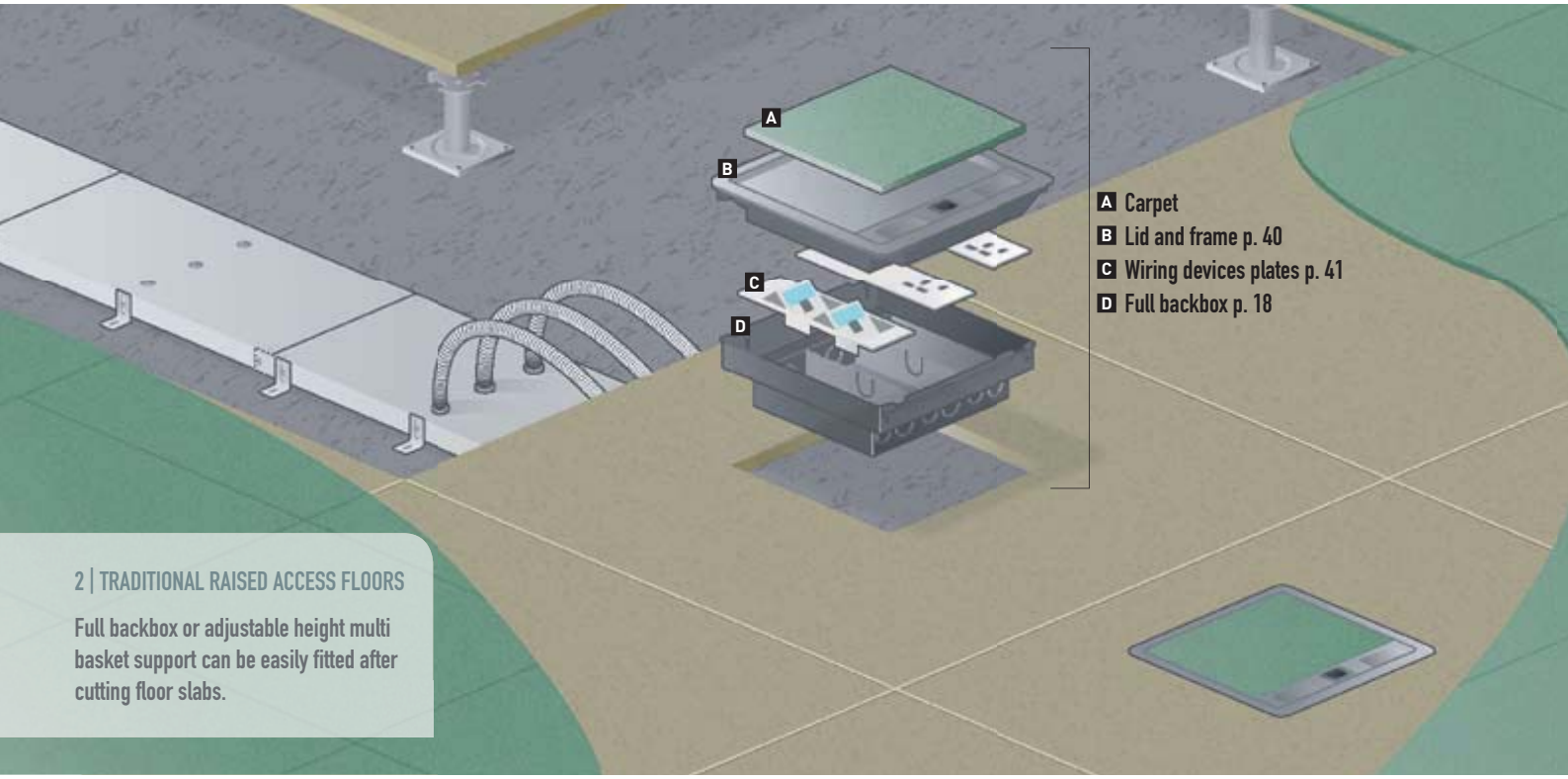


The Comb Pattern is the most economical way of installation in which a minimum of trunking is used
The Comb Pattern is suited for small to medium office areas



1 | SOLUFLEX FLOOR SYSTEM

Soluflex floor box tile allows installation of full backbox or modular backbox. Minimum floor height: 90 mm.

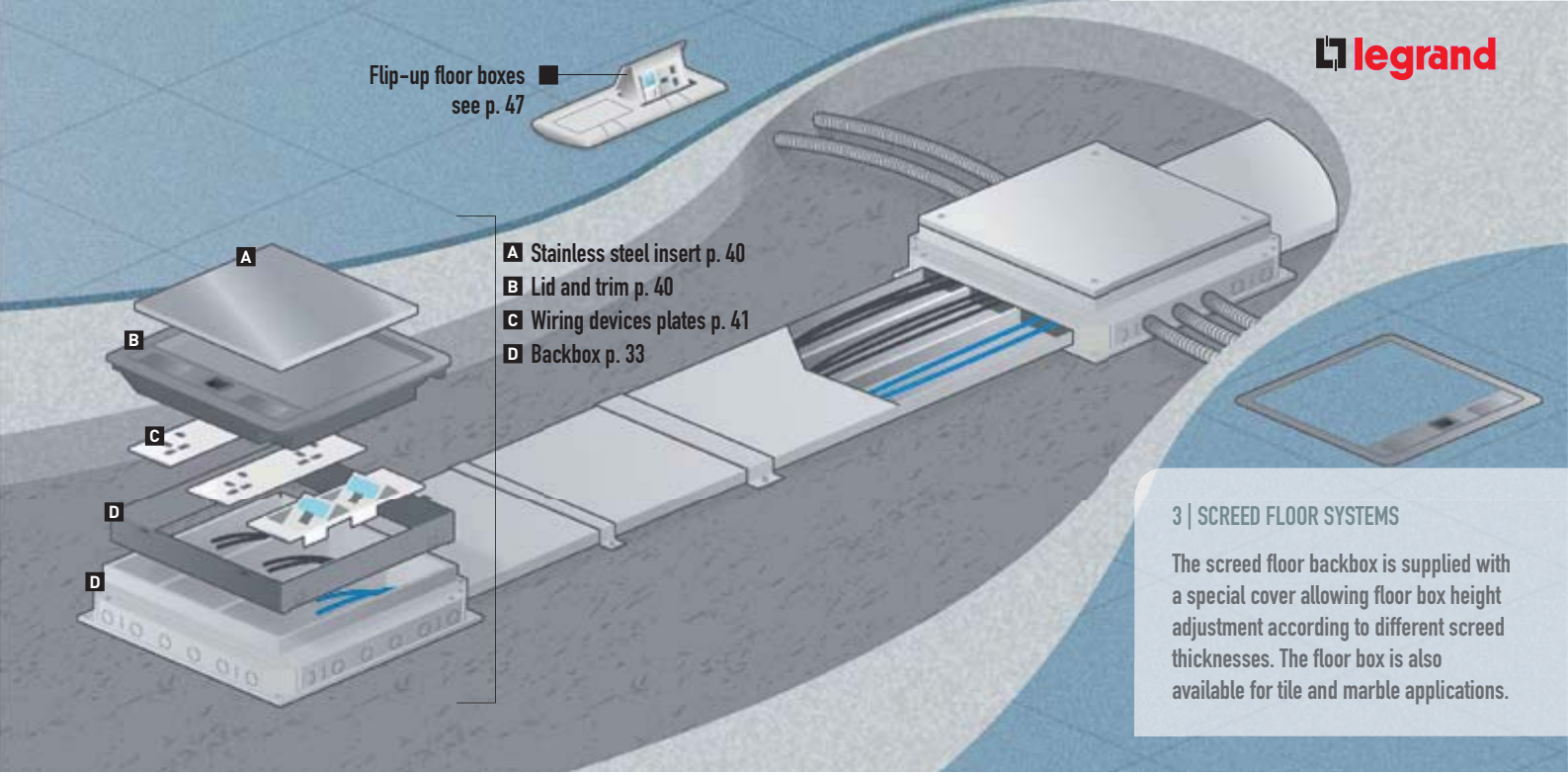


2 | TRADITIONAL RAISED ACCESS FLOORS

Full backbox or adjustable height multi basket support can be easily fitted after cutting floor slabs.

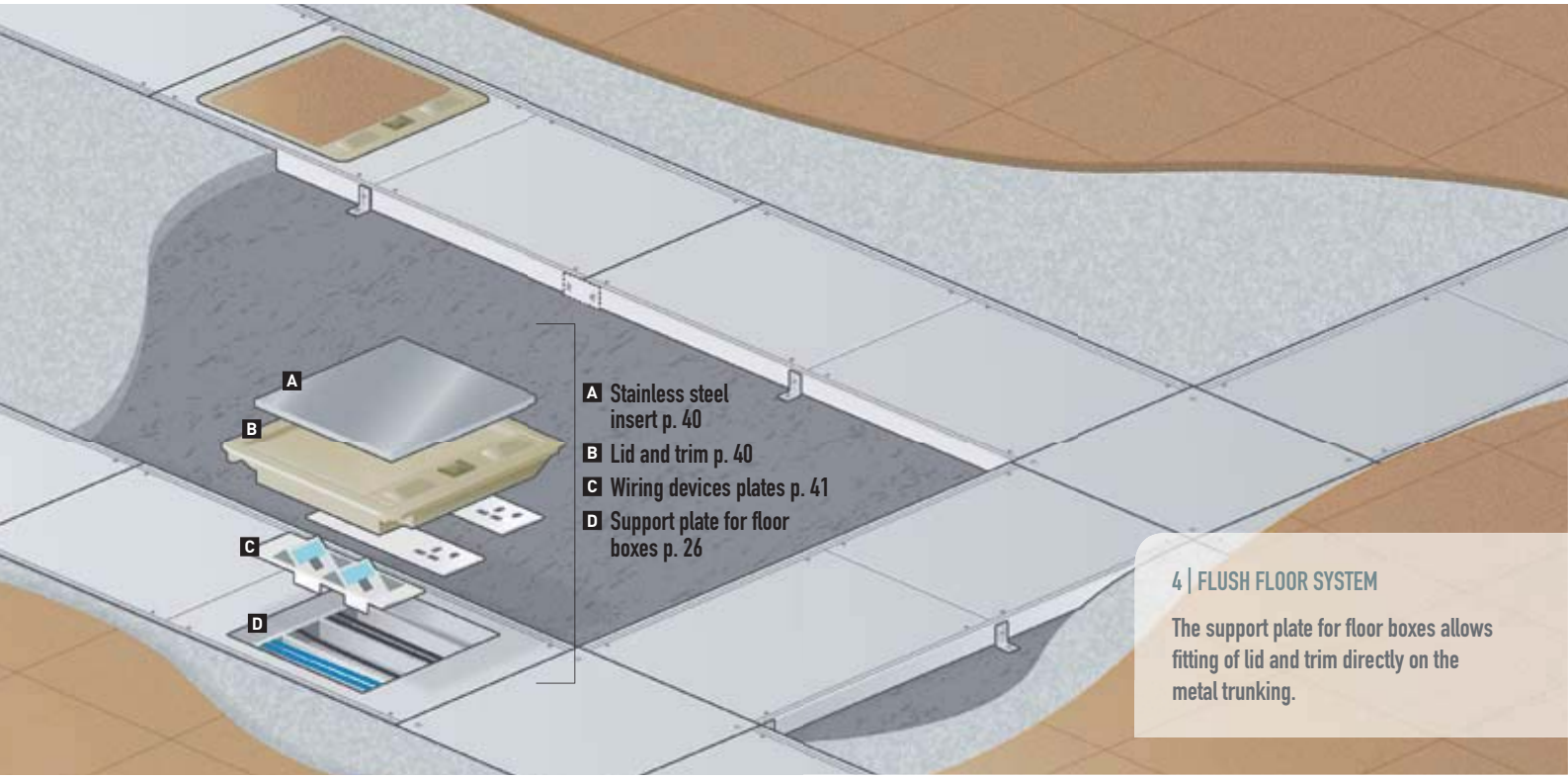
FLOOR BOXES

Simplicity and flexibility: the same lid and trim, the same socket outlets and the same wiring device supports are compatible with any type of Legrand floor systems.



3 | SCREED FLOOR SYSTEMS

The screed floor backbox is supplied with a special cover allowing floor box height adjustment according to different screed thicknesses. The floor box is also available for tile and marble applications.



4 | FLUSH FLOOR SYSTEM

The support plate for floor boxes allows fitting of lid and trim directly on the metal trunking.

3 | DUCTING FOR SCREED FLOOR

Ducting		Backbox	
		3 compt	4 compt
PVC 75 x 25	6897 00	-	-
PVC 150 x 25	2x 6897 00	6896 34 (225 x 225) or 6896 35 (300 x 300)	6896 45
PVC 225 x 25	6897 01		6896 45
PVC 300 x 25	1 x 6897 00 + 1 x 6897 01	6896 35	6896 45
Metal 225 x 25	6897 05	6896 34 (225 x 225) or 6896 35 (300 x 300)	6896 45
Metal 225 x 38	6897 06		6896 45
Metal 300 x 25	6897 07	6896 35	6896 45
Metal 300 x 38	6897 08	6896 35	6896 45

4 | TRUNKING FOR FLUSH FLOOR

Trunking		Support plate for floor boxes	
		3 compt	4 compt
Metal 300 x 65	6897 50	6896 36	-
Metal 405 x 65	6897 51	6896 37	6896 47

1 & 2 | TRUNKING FOR RAISED FLOOR

Trunking		Full backbox system		Module backbox			
				Support		Single module	Double module
		3 compt	4 compt	3 compt	4 compt		
Metal 225 x 38	6897 70	6896 38	6896 48	6896 39	6896 49	6896 60	6896 61
Metal 300 x 38	6897 71						

LID AND TRIM FOR FLOOR BOXES

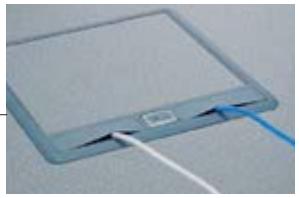
Floor box		Rigid cable exit	Flexible cable exit	Stainless steel insert
3 compt	grey	6896 30	6896 31	6896 92
	beige	6896 32	6896 33	
4 compt	grey	6896 40	6896 41	6896 93
	beige	6896 42	6896 43	

OTHER SOLUTIONS

- Raised access floor systems — see page 2-3
- Flush floor system — see page 24-25
- Screed floor system — see page 30-31
- Wall and ceiling systems — see page 54-55
- Arteor wiring devices — see page 70-71

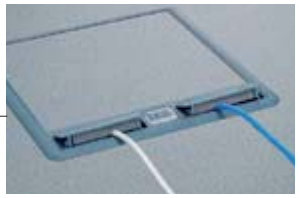
floor boxes
for carpet

6896 30 + 6896 38 (p. 18) and wiring devices (p.41)



Flexible cable exits

6896 31 + 6896 38 (p. 18) and wiring devices (p.41)



Rigid cable exits

6896 32 + 6896 38 (p. 18) and wiring devices (p.41)

6896 33 + 6896 38 (p. 18) and wiring devices (p.41)

Technical caracteristics (p. 42)

Conforms to IEC 60670-23 and to BS EN 50 085-2.2
(see classification p. 18-27 and 33)
Compatible with either raised access floor trunking system, Electrak busbar system, flush floor trunking system and screed floor system

Pack	Cat.Nos	Lid and trims for carpet
		To be fitted on either: - modular backbox or full backbox for raised floor (p. 18) - support plate for flush floor trunking (p. 26) - screed floor backbox (p. 33) To be equipped with dedicated socket outlets (p. 41), Arteor wiring accessories or 6C modules Supplied with flexible or rigid cable exits
		3-compartment floor boxes
1	6896 30	Grey cover RAL 7031 with rigid cable exits
1	6896 31	Grey cover RAL 7031 with flexible cable exits
1	6896 32	Beige cover RAL 7031 with rigid cable exits
1	6896 33	Beige cover RAL 7031 with flexible cable exits
		4-compartment floor boxes
1	6896 40	Grey cover RAL 1019 with rigid cable exits
1	6896 41	Grey cover RAL 1019 with flexible cable exits
1	6896 42	Beige cover RAL 1019 with rigid cable exits
1	6896 43	Beige cover RAL 1019 with flexible cable exits

		Stainless steel insert for lid
		For a metal finish on lid To be used instead of fitting carpet onto the lid
1	6896 92	For 3-compartment floor boxes Dimensions: 245,5 x 210 mm
1	6896 93	For 4-compartment floor boxes Dimensions: 322 x 210 mm
20	6896 99	Metallic link between lid and trim

floor boxes
for tiles/marble

6896 50 + 896 04

Technical caracteristics (p. 44)

Conforms to IEC 60670-23 and to BS EN 50 085-2.2
(see classification p. 33)
Compatible with screed floor system

Pack	Cat.Nos	Floor boxes for tiles/marble
		Lid and trim for floor boxes To be installed in backbox Cat.No 896 04 for screed floor system To be equipped with dedicated socket outlets (p. 41), Arteor or 6C modules on special support plates (p. 41)
1	6896 50	Floor box for tile 8 mm thickness
1	6896 51	Floor box for tile 8 to 15 mm thickness
1	6896 52	Floor box for tile 15 to 22 mm thickness
		Specific backbox
1	896 04	For installation of floor boxes Cat.Nos 6896 50/51/52 for screed floor system

floor boxes
socket oulet plates

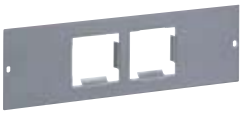

6896 66

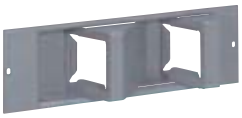

6896 67


6896 68

Pack	Cat.Nos	Socket outlets for floor boxes
		Dedicated socket outlets for floor boxes 13 A - 250 V~
		2-gang socket outlets 77 mm width
4	6896 65	 Unswitched
4	6896 66	 Switched
4	6896 67	 Switched for clean earth applications
4	6896 69	Switched for staggered configuration
		2 x 2-gang socket outlets 154 mm width plate staggered configuration
4	6896 68	 Switched

floor boxes
empty wiring accessory plates


6896 73


6896 78


Side view

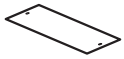
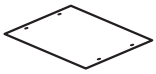

6896 71

Pack	Cat.Nos	Support plates for Arteor mechanism
		Support plates for integration of Arteor mechanisms in floor boxes 77 mm width plate
		Flat support plates
12	6896 72	For 2 modules (2 x 1 module)
12	6896 73	For 4 modules (2 x 2 modules)
12	6896 74	For 6 modules (3 x 2 modules)
4	6896 77	For 6 modules (2 x 3 modules)
		Waved support plates
4	6896 78	For 4 modules (2 x 2 modules)


		Support plates for 6C modules
		Support plates for integration of 6C modules in floor boxes 77 mm width plate
		Flat support plates
12	6896 70	For 2 modules (2 x 1 module)
12	6896 71	For 4 modules (4 x 1 module)
		Waved support plates
12	6896 75	For 2 modules (2 x 1 module)
4	6896 76	For 4 modules (4 x 1 module)


		Support plates for Lexic DIN-rail equipment
		Support plates for integration of DIN-rail equipment in floor boxes 77 mm width plate supplied with transparent plastic cover to avoid accidental handling
3	6896 64	For 1 or 2 modules Supplied with 1-module blanking plate

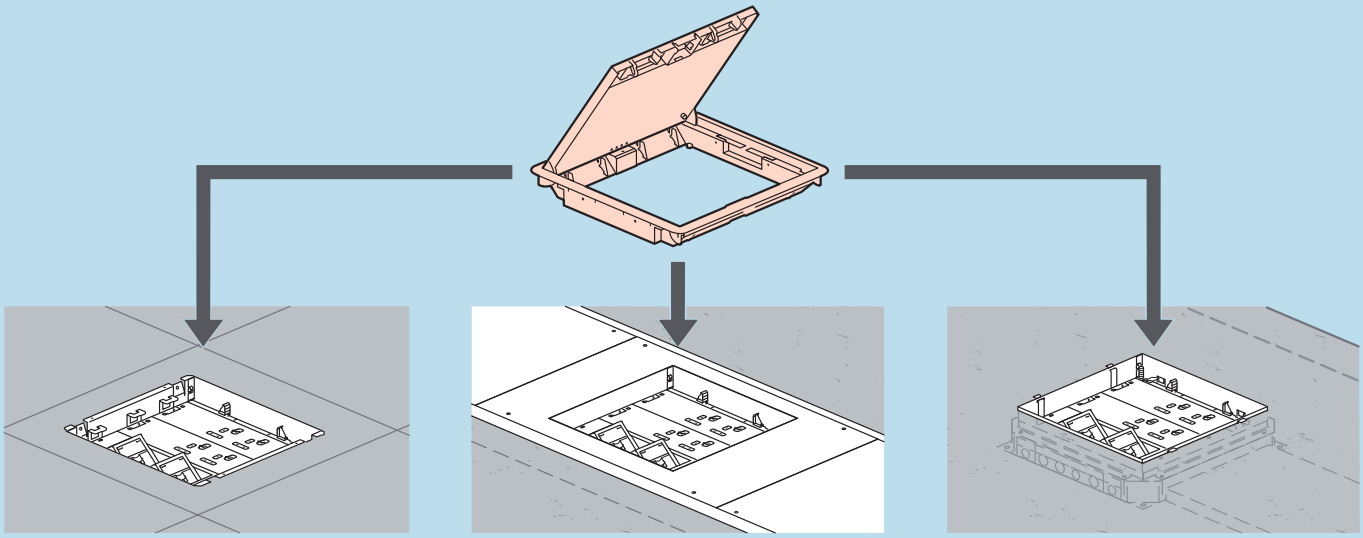
		Blank plates for floor boxes
12	6896 62	To cover of an unused compartment 77 mm width plate
12	6896 63	154 mm width plate

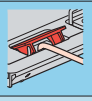
floor boxes for carpet

✻Installation principle

Lid and trim can be used for all applications: screed, flush and raised access floor systems. It allows a uniform finish within the project



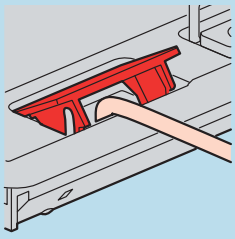
Lid and trim

Lid and trim for floor boxes				
Floor box		Rigid cable exits	Flexible cable exits	Stainless steel insert
				
3 compt	grey	6896 30	6896 31	6896 92
	beige	6896 32	6896 33	
4 compt(1)	grey	6896 40	6896 41	6896 93
	beige	6896 42	6896 43	

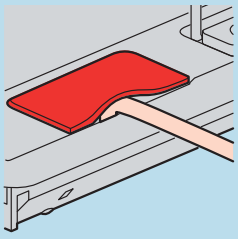
Lid and trim is available in 2 different sizes (3 compartments or 4 compartments) and 2 colors (Grey RAL 7031 and Beige RAL 1019) to comply with aesthetic requirements

Rigid and flexible cable exits

Rigid and flexible cable exits: maximum cable capacity 4 cables ø7 mm + 3 cables ø11 mm. Both systems provide maximum protection for cables. Flexible exit does not require closing when not in use



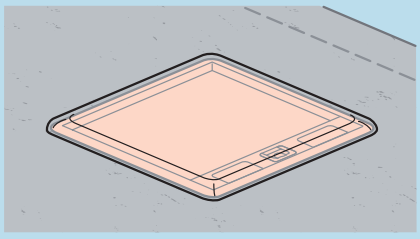
Rigid cable exits



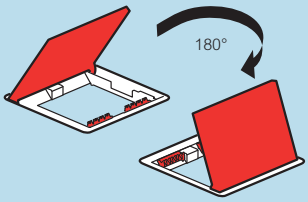
Soft cable exits

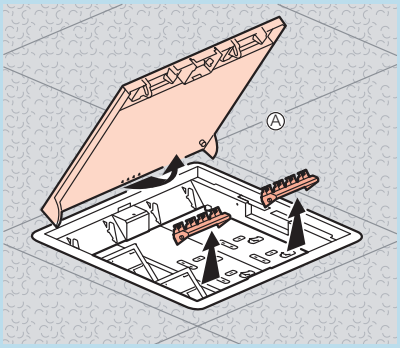
Site protection cover

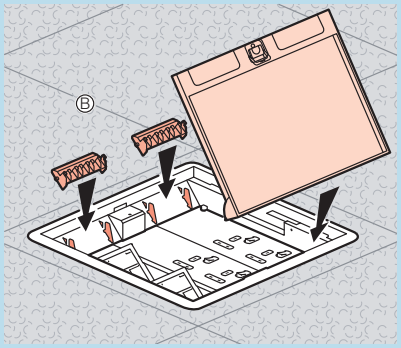
Lid and trim comes with a building site protection to avoid damages during installation. This site protection should be removed to access the floor box and can be repositioned afterwards. Site protection cover should remain on the floor box until hand-over of the project



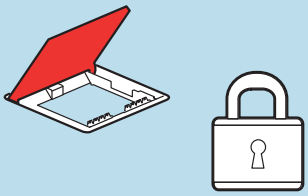
Reversible lid
The lid is reversible (180°) to adapt to office furniture reconfiguration

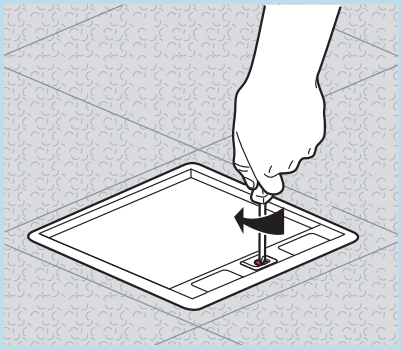


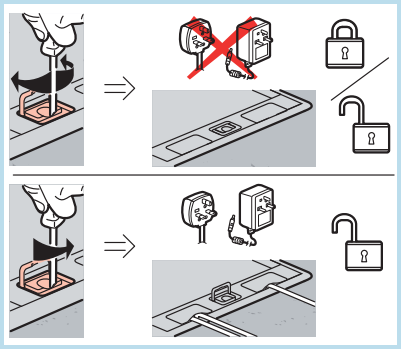




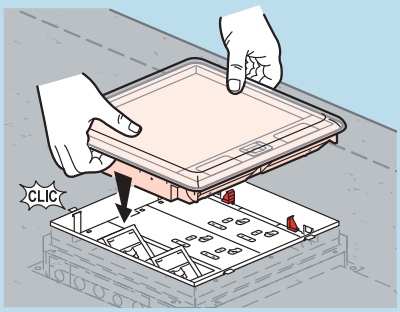
Locking system
The floor box can be locked by means of a locking system on the lid (hidden under the opening handle). For safety reasons, floor box should not be locked when in use



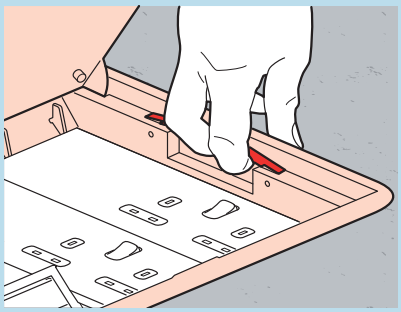




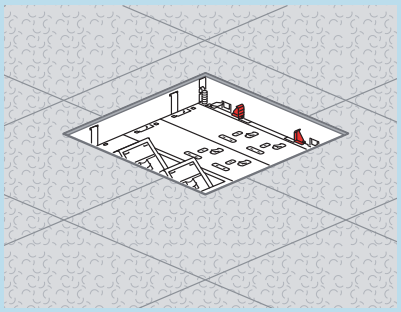
Installation process



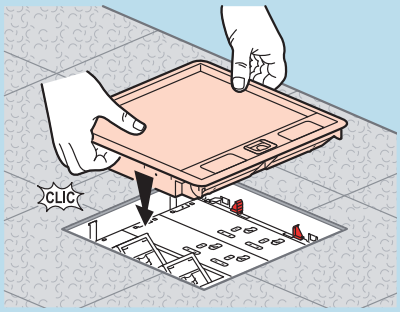
Fix the lid and trim directly onto the backbox, push and fit system. Lid and trim can be assembled with backbox even before carpet fitting



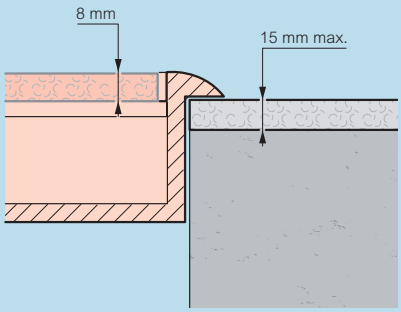
To fit carpet, pull the levers on both sides to take out the lid and trim



Fit the carpet to the backbox edge

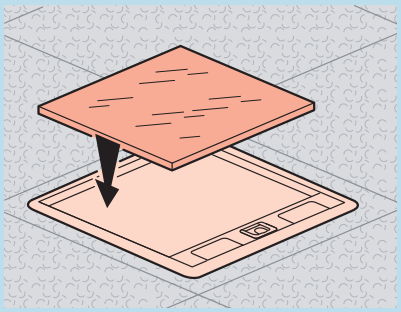


Push the lid and trim back on to the backbox The trim will adjust to the carpet thickness



Carpet thickness < 15 mm

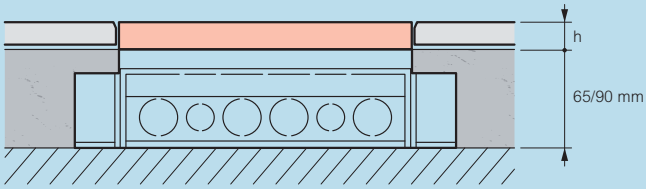
Stainless steel insert	3 compt	4 compt
	6896 92	6896 93



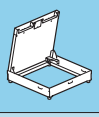
Stainless steel insert optional as an alternative to filling the lid with carpet. To fit the stainless steel insert on to the lid, use the double side tape supplied

floor boxes for tiles/marble for screed floor

Dimensions



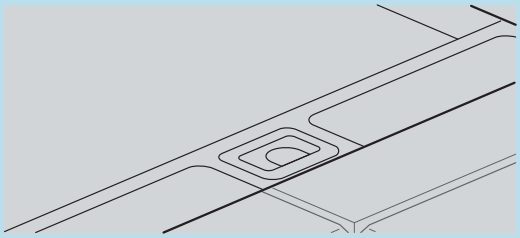
Total screed thickness has to be between 65 and 90 mm

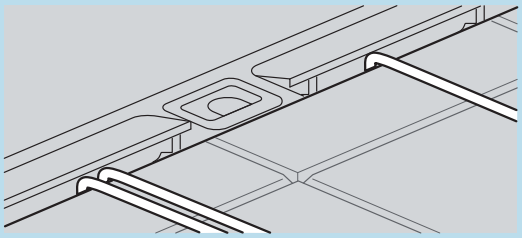
Backbox for tiles/marble	Lid and trim for floor box for tiles/marble	Screed thickness (mm)	Tile thickness h (mm)
			
896 04	6896 50	65 to 90	8
	6896 51		8 to 15
	6896 52		15 to 22

Functions

Rigid cable exits

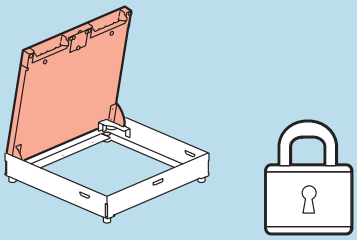
Full metal rigid cable exits
Maximum cable capacity 4 cables ø7 mm + 3 cables ø11 mm
Provides maximum protection for cables and strength

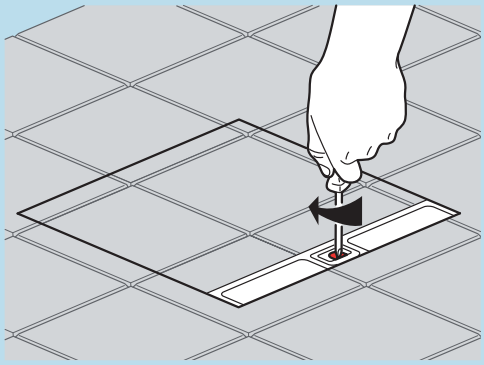


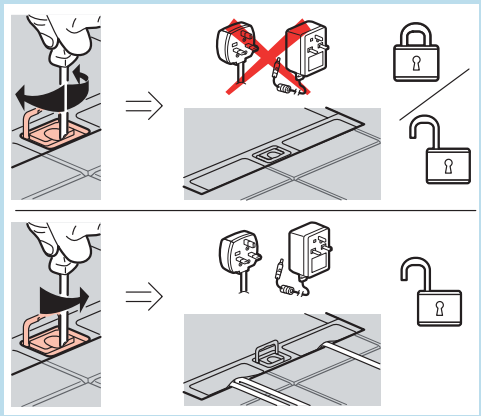


Locking system

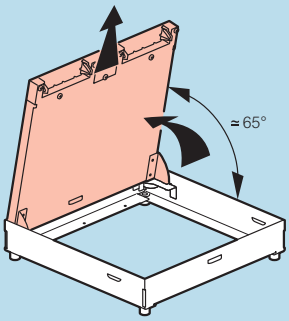
The floor box can be locked by means of a locking system on the lid (hidden under the opening handle)
For safety reasons, floor box should not be locked when in use



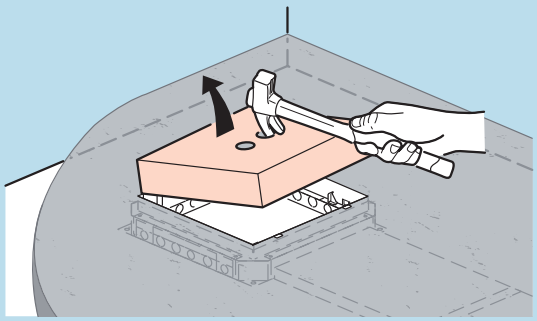




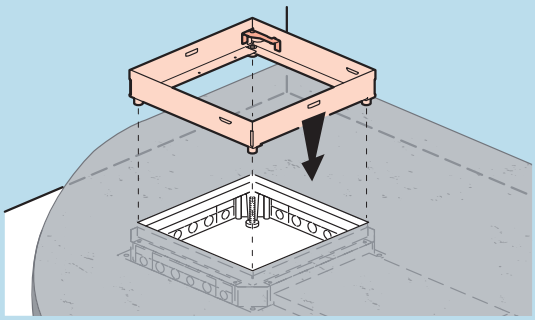
✻Installation process



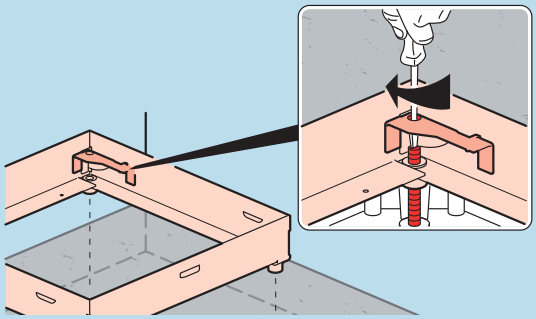
To remove the lid from the trim, hold it under an angle of approximately 65° and pull it out



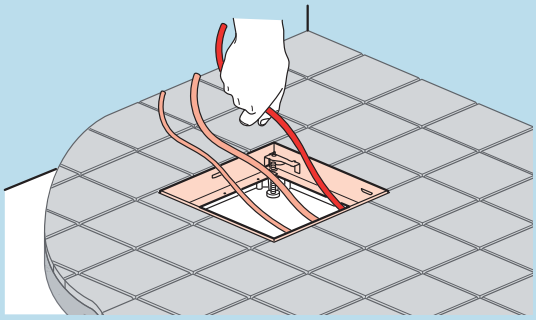
Remove site cover protection from backbox



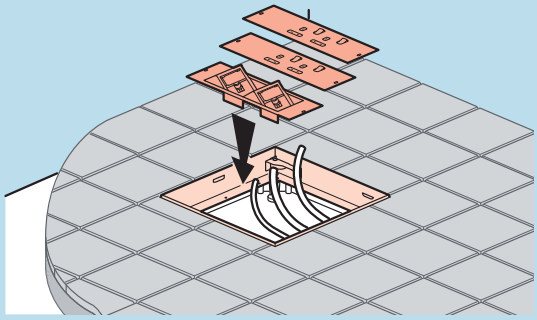
Place the trim onto the threaded rods



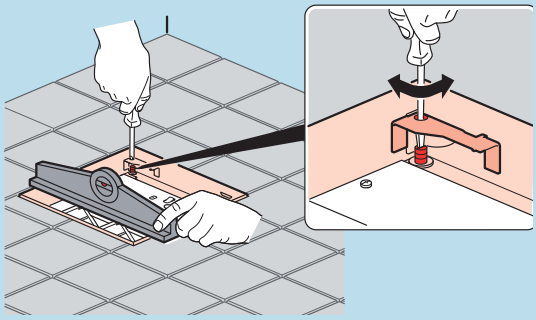
Make a rough adjustment to finished floor level by turning threaded rods in each corner with a screw driver



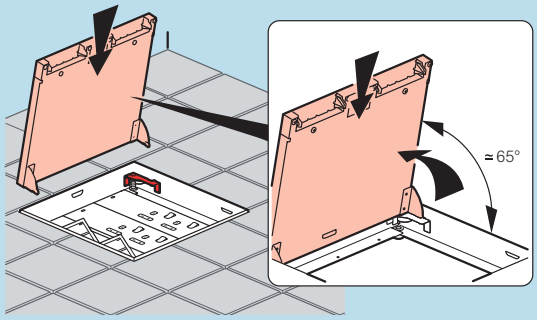
Cable the system



Tiling should be carried out at this stage



Make final adjustment to finished floor level by turning threaded rods in each corner with a screw driver



Push the lid back in place by holding it under an angle of approximately 65°

grommets

EG0055

Technical caracteristics (p. 46)

For simple access for services underfloor to workstations of all kinds
Conform to IEC 60670-23
Accommodates all cable types and flexible conduits up to Ø25 mm

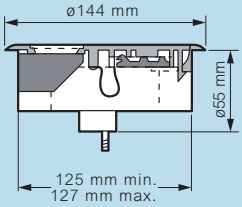
Pack.	Cat.Nos	Grommets
		Grommet for conduits and cables exit
		For integration in raised access floors
1	EG0010	Ø144 mm
1	EG0055	Ø232 mm

grommets

✻ Dimensions

Ø144 mm

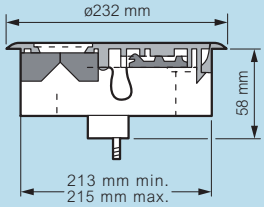
Cat.No EG0010



Floor panel cut-out diameter

Ø232 mm

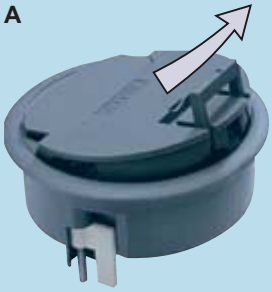
Cat.No EG0055



Floor panel cut-out diameter

✻ Installation principle

A



Lift the handle and pull to remove the lid

B

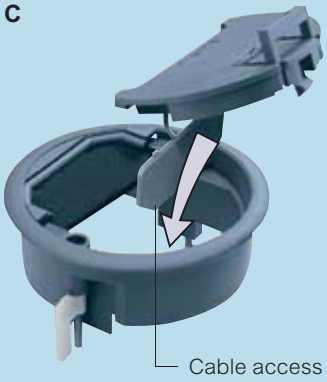
Push the grommet into the raised floor tile aperture and push down

Push down the spring loaded screws and rotate a quarter turn to fix

Ensure the wings are located under the floor panel

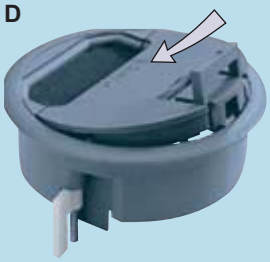
For honeycombed floor panels one wing should face downwards and one wing should face upwards

C



Drop cable access insert into the housing opening

D



Slide lid into the lug holes

E

Push down the lid to close
If the grommet is not in use replace the cable access insert

flip-up floor boxes

flip-up floor boxes

6503 00

6503 49

6503 90

Technical caracteristics (p. 47)

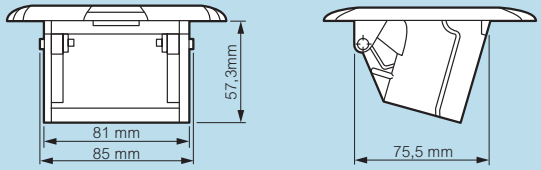
For simple access for services underfloor to workstations of all kinds
Conform to IEC 60670-23

Pack	Cat.Nos	Flip-up floor boxes
		To be equipped with Arteor socket outlets (p. 72) To be fitted on backboxes bellow
		3 modules
1	6503 00	Aluminium
1	6503 50	Brass
		2 x 3 modules
1	6503 49	Aluminium

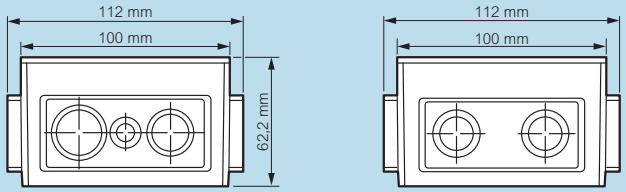
Pack	Cat.Nos	Backboxes for flip-up floor boxes
		For integration of floor sockets in screed floors Height of screed ≥ 60 mm
		3 modules
10	6503 90	ABS
1	6503 32	Metallic Can be assembled with another Cat.No 6503 50 to compose a 2 x 3 modules box
		2 x 3 modules
10	6503 31	ABS

✻ Dimensions

Flip-up floor boxes Cat.Nos 6503 00/50

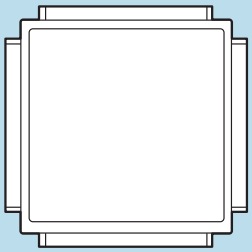


Backbox Cat.No 6503 90



Front view

Left view



Intersoc under desk modules


IAB003A


IAB402A

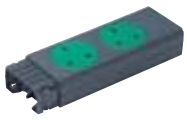

IAB420A


IAB405A

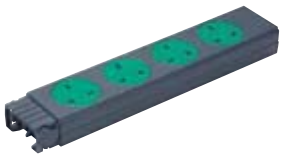

IAB502A


IAB532A


IAC315A


IAC502A


IAB504A


IAC504A


IAB600A


IAB201A


IAB610A


IAZ001A

Technical characteristics (p. 49)

Modular desk power system, modules simply push-fit and lock together
All sockets are busbar interconnected, no terminals required
Conform to BS 7671: 2008 (IEE Wiring Regulations 17th Edition)

Pack	Cat.Nos	Pre-wired feed units
		32 A in-feed modules Mains connection via BS 1363 plug or tapp-off connector for Electrak busbars With additional external earth connections
		With BS 1363 13 A fused plug
1	IAB003A	With 1.5 mm² cable, length 3 m
1	IAB005A	With 1.5 mm² cable, length 5 m
		With tap-off connector for Electrak 28 standard busbars For direct connection on Electrak 28 busbar system (p. 14)
1	IAF311A	Unfused metal tap-off Cat.No YP5332 With 3 m cable and metallic flexible conduit
1	IAF312A	Unfused metal tap-off Cat.No YP5532 With 5 m cable and metallic flexible conduit
1	IAF315A	13 A fused 543.7 metal tap-off Cat.No YP5327 With 3 m cable and metallic flexible conduit
1	IAF316A	13 A fused 543.7 metal tap-off Cat.No YP5527 With 5 m cable and metallic flexible conduit
		With tap-off connector for Electrak 25 low noise busbars For direct connection on Electrak 25 busbar system (p. 14)
1	IAC311A	Unfused metal tap-off Cat.No JP2332 With 3 m cable and metallic flexible conduit
1	IAC312A	Unfused metal tap-off Cat.No JP2532 With 5 m cable and metallic flexible conduit
1	IAC315A	13 A fused 543.7 metal tap-off Cat.No JP2327 With 3 m cable and metallic flexible conduit
1	IAC316A	13 A fused 543.7 metal tap-off Cat.No JP2527 With 5 m cable and metallic flexible conduit

		Protection and switching modules
		For the protection and switching of circuits from the 32 A In-feed modules where required
1	IAB402A	With fuse and neon switch
1	IAB410A	With 6 A MCB
1	IAB420A	With 16 A MCB
1	IAB405A	With 30 mA RCD

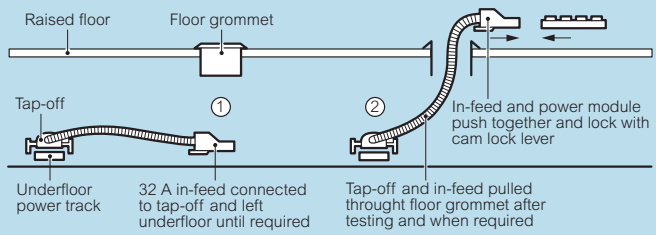
Pack	Cat.Nos	Socket modules
		Can be connected to each other to give different combinations of sockets Individual fused socket modules can also be fitted directely on the 32 A feed units (no protection and switching module required) 90° orientation socket outlets
		2-socket modules
1	IAB502A	2 x 2P+E socket
1	IAB532A	2 x 2P+E socket fused at 3.15 A
1	IAC502A	2 x 2P+E socket for Electrak 25 low noise busbar system
1	IAC532A	2 x 2P+E socket fused at 3.15 A for Electrak 25 low noise busbar system
		4-socket modules
1	IAB504A	4 x 2P+E socket
1	IAB534A	4 x 2P+E socket fused at 3.15 A
1	IAC504A	4 x 2P+E socket for Electrak 25 low noise busbar system
1	IAC534A	4 x 2P+E socket fused at 3.15 A for Electrak 25 low noise busbar system

		Interconnection modules
		For interconnection between units within the 32 A range of products
		Rewirable interconnection
1	IAB600A	Power out - male connector with cable
1	IAB201A	Power in - female connector with cable
		Pre-wired interconnection Male and female connector for direct connection between modules With 1.5 mm² cable
1	IAB610A	Length 1 m
1	IAB630A	Length 3 m

		End cap
		To be fixed at the end of module
1	IAZ001A	Blank end cap

Intersoc underdesk modules

System overview



Technical characteristics

Testing and accreditation

Conforms to BS 5733 and the relevant parts of BS 1363 part 2
Manufacturing approved to ISO 9001: 2000
Quality Assurance Certificate N°. 10270

Electrical test data	**Rated current**		up to 32 A
	Rated voltage		250 V~
	Frequency		50/60 Hz
Conductor Resistance at 20° C	**2 socket module**		1.4 mΩ
	4 socket module		2.8 mΩ
Volt drop (Live & neutral)	**2 socket module**		2.8 mV/A
	4 socket module		5.6 mV/A
	Protection module		4.0 mV/A (depending on device)
	In feeds	**16 A**	2.0 mV/A
		+ 1.5 mm²	29 mV/Am
		32 A	2.0 mV/A
		+ 4 mm²	11 mV/Am
	Interconnections	**16 A/32 A**	2.0 mV/A
		+ 1.5 mm²	29 mV/Am
		+ 4 mm²	11 mV/Am
Earth fault loop impedance	**2 socket module**		2.8 mΩ
	4 socket module		5.6 mΩ
	Protection module		4.0 mΩ (depending on device)
	In feeds	**16 A**	2.0 mΩ
		+ 1.5 mm²	29 mΩ/m
		32 A	2.0 mΩ
		+ 4 mm²	11 mΩ/m
	Interconnections	**16 A/32 A**	2.0 mΩ
		+ 1.5 mm²	29 mΩ/m
		+ 4 mm²	11 mΩ/m
Mechanical data	**Number of conductors**		3
	Busbar conductor cross sectional area		5 mm²
	16 A Rewirable in-feed terminal capacity		10 mm²
	32 A Rewirable in-feed terminal capacity		10 mm²
Material specification	**Under desk**		
	Module housing		5 mm²
	Module fascia		10 mm²
	Socket outlets		10 mm²
	End caps		up to 32 A

Product configuration

1 - Select the type of distribution system - standard, or low noise
2 - Select the means of powering the system - cable of busbar tap-off
3 - Select the means of protection
4 - Select the number of socket modules from the 2 or 4 gang range (individually fused or unfused)
5 - Select the interconnection units if required
6 - Finish the system with the end cap
(All modules push fit and lock together on-site or can be factory assembled to customer requirement)

Norms

British standards

BS 6396: 2002 electrical systems in office furniture and office screens
BS 7671: 2008 requirements for electrical installation (IEE wiring regulations 17th edition)

Electricity at work regulations 1989

Health & safety legislation

Below is a brief outline of the main criteria within the standards:

BS 6396: 2002 was published with regards to the use of electrical equipment within general office furniture and screens. This standard sets out in its scope the use and testing of electrical socket outlets and associated wiring when used together with a 13 A BS 1363 fused plug to mains supply and makes provision for the routing of cables through furniture

For compliance with this standard socket outlet configurations 2 or 4 outlets should be individually fused at 5A and 6 outlets individually fused at 3.15 A

A note on individual socket fusing - BS6396

Compliance:

The standard requires individual socket fusing (please see table below). Electrak's standard range uses 3.15 A individual fusing to future-proof for expansion. However, 5 A fusing is also available as an alternative

Total number of sockets	Individually fused at
2 or 4 sockets	5 A
5 or 6 sockets	3.15 A

BS 7671: 2008 (17th edition). The health and safety executive states that installations which conform to the standards laid down in BS 7671: 2008 are regarded by the HSE as likely to achieve conformity with the relevant parts of the Electricity at work regulations 1989

Special note should be taken of regulation 543.7 within BS 7671: 2008 - Earthing requirements for the installation of equipment having high protective conductor currents

Regulation 543.7 has particular importance when there is a requirement for a quantity of information technology equipment being supplied from a final circuit in a location where the sum of their protective currents exceeds 10 mA in normal use

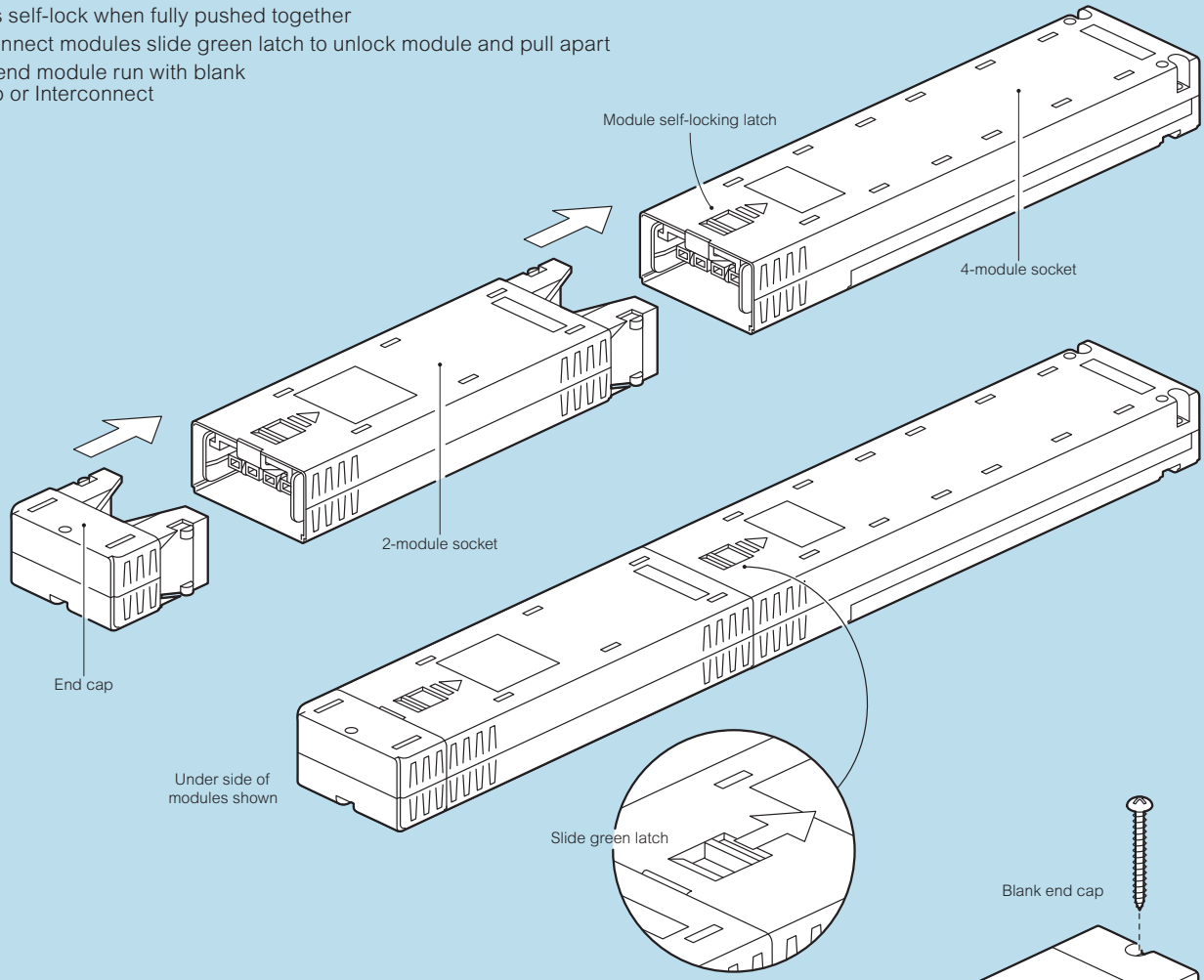
Due to current in the protective conductor arising from the use of IT equipment, there is a requirement to provide mechanically protected 4 mm² conductor (543.7.1.3(ii)). Intersoc achieves this when wired in accordance in the installation sheets by providing mechanically protected 5 mm² protective conductors within the product

Intersoc underdesk modules (continued)

✻Installation principle

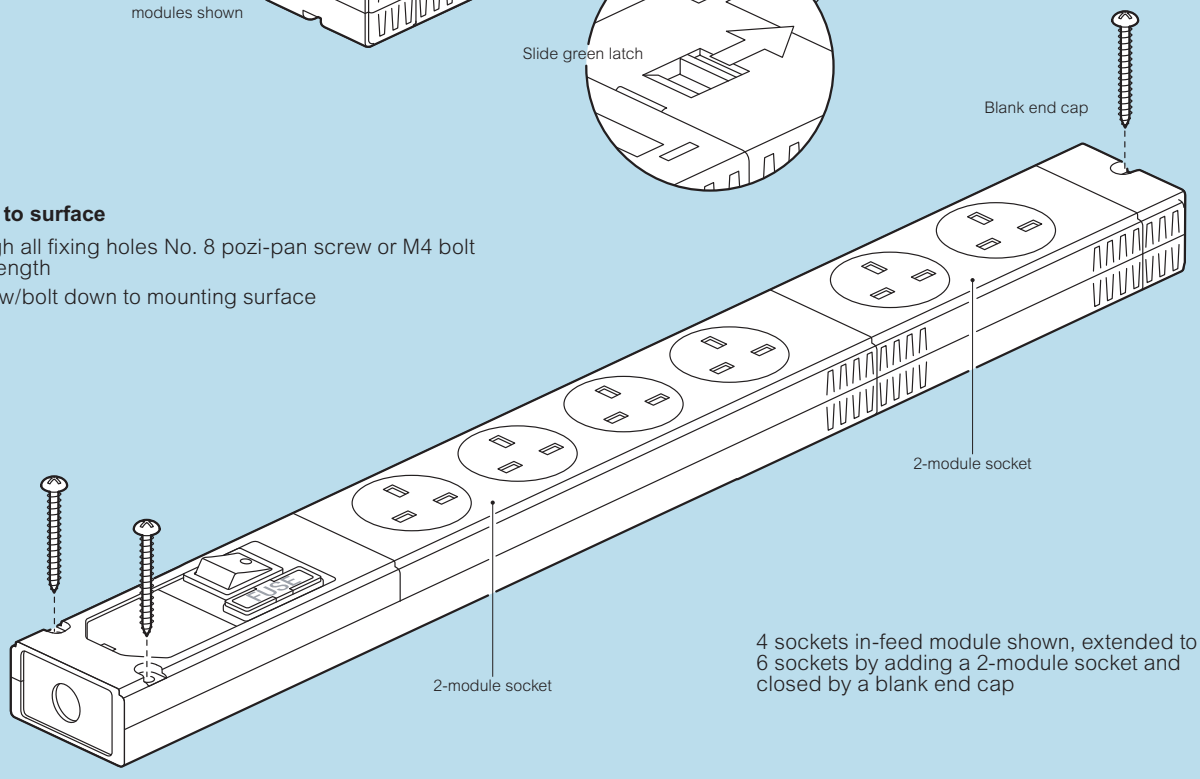
To connect and disconnect Intersoc modules

1. Connection/disconnection to be made by a competent person
2. Before connecting modules ensure they are the correct way up and in line
3. Push modules together one at a time
4. Modules self-lock when fully pushed together
5. To disconnect modules slide green latch to unlock module and pull apart
6. Always end module run with blank End Cap or Interconnect



To fix modules to surface

1. Insert through all fixing holes No. 8 pozi-pan screw or M4 bolt to required length
2. Tighten screw/bolt down to mounting surface



16 A 4 sockets in-feed module

4 sockets in-feed module shown, extended to 6 sockets by adding a 2-module socket and closed by a blank end cap

mini -columns

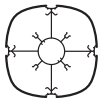
mini -columns

307 29

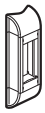
307 42

To provide power and data in open areas or underdesks
To be equipped with supports for wiring accessories

Pack	Cat.Nos	**Mini-columns**
		4-compartment mini-column, allowing perfect separation between ELV and LV currents Consisting of: - Aluminium body - Fixing base with protective cap - Finishing cap - 4 covers
		Height 68 cm
1	307 29	● Aluminium covers
1	307 42	○ White PVC covers



		Wiring accessory supports for columns and mini-columns
		To be equipped with Arteor sockets (p. 72 to 75)
		4 modules - length 215 mm
1	307 78	● Grey finish
1	310 65	○ White finish
		8 modules - length 325 mm
1	307 79	● Grey finish
1	310 66	○ White finish
		12 modules - length 415 mm
1	307 80	● Grey finish
1	310 67	○ White finish



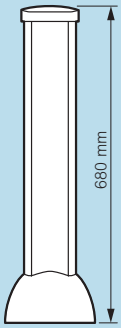
Arteor wiring accessories (p. 72)

✻ Wiring capacity

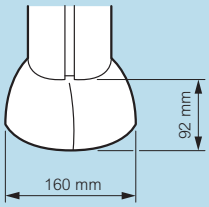
Cat.Nos	Number of compartments	Capacity	Section (mm²)	∅ max.
307 29/42	4 compartments	Maximum	1250	25
		With Arteor support	350	2 x 13

✻ Dimensions

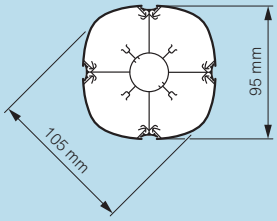
Cat.Nos 307 29/42



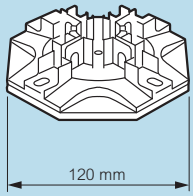
Protection covers



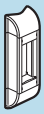
Aluminium body + covers



Base plate of fixing for columns



Wiring accessory supports



Cat.Nos	Number of modules	Dimensions (mm)	
		Length	Width
307 78 310 65	4 modules	215	61
307 79 310 66	8 modules	325	61
307 80 310 67	12 modules	415	61

legrand

desktop and meeting room multi outlet extensions


653583


653582


653586


653587


535 91


535 99


535 97

Technical characteristics (p. 53)

Pack	Cat.Nos	Meeting room multi-outlet extensions with cord
		Conforms to IEC 60884-1 Particularly suitable for U shape configuration meeting rooms Aluminium body 16 A - 250 V~ with shutters 3680 W at 230 V~ per circuit Equipped with - 3 m cord (H05VVF 3G 1,5 mm²) with 2P+E plug - 3 m cord with RJ 45 cat. 6FTP plug, wired
		With Wi-Fi access point
1	6535 83	For connecting up to 6 devices and network or Internet access 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 Composition: - 4 x 2P+E sockets - 1 Wi-Fi access point conforming to 802.11a and 802.11bg norm Security via WPA 2 encryption (802.11i) and authentication 802.1x Data rate: 54 Mbit/s max. on each frequency (802.11a et 802.11g) simultaneously Installation with patch panel equipped with Power over Ethernet injector for Wi-Fi access point power supply
		With switch
1	6535 82	For connecting up to 8 devices and networking up to 6 peripherals (computers...) Require the use of Ethernet 10/100 base T network cards on the peripherals for 10/100 Mbps data exchanges Voltage power indicator on front panel Composition: - 4 x 2P+E sockets - 1 non manageable 10/100 base T switch 6 ports

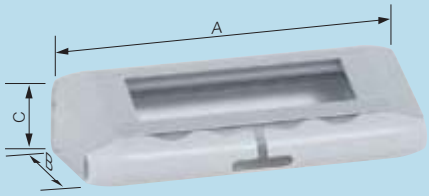
Pack	Cat.Nos	Desktop units multi outlet extensions with cord
		Aluminium body with cable management (reversible) 2P+E sockets 16 A - 250 V~ with shutters 3680 W at 230 V~ per circuit Equipped with 3 m cord (H05VVF 3G 1,5 mm²) with 2P+E plug, wired
		With 2P+E sockets
1	6535 86	Composition: - 4 x 2P+E sockets - 1 illuminated switch
		With 2P+E and data sockets
1	6535 87	Composition: - 4 x 2P+E sockets - 2 x RJ 45 sockets cat. 6 FTP 1 module

Pack	Cat.Nos	Empty desktop unit multi outlet extensions
		To be equipped with Arteor wiring accessories (p. 72 to 75)
1	535 90	8 modules
1	535 91	12 modules
1	535 92	16 modules

Pack	Cat.Nos	Accessories
		Fixing accessory
5	535 99	Fixing accessory to clip on desktop
		Cable spine
1	535 97	2 compartments Ø70 mm - Length 770 mm Very suitable solution for a safe and design protection of the cabling between desk and floor Translucid

Arteor wiring accessories (p. 72 to 75)

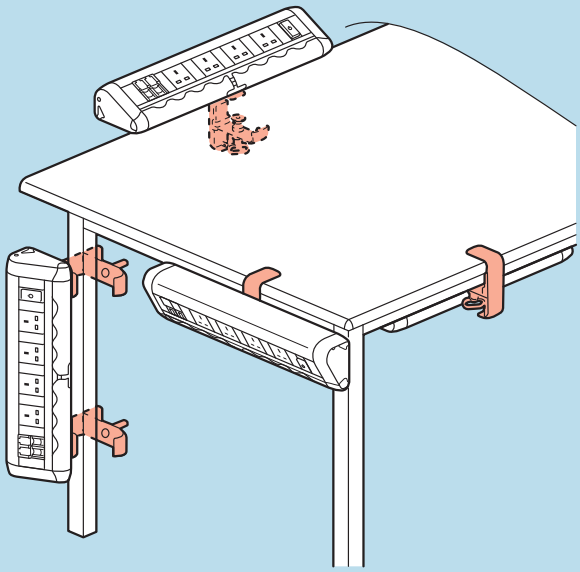
⁕ Dimensions



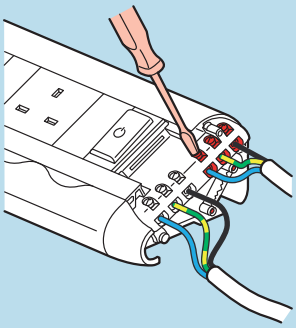
Cat.Nos	A (mm)	B (mm)	C (mm)
6535 86	277	114	75
6535 87	367	114	75
6535 83	457	114	82
6535 82	502	114	85
535 90	277	114	75
535 91	367	114	75
535 92	457	114	75

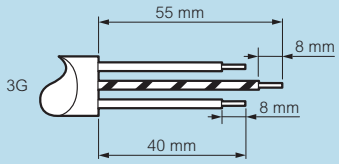
⁕ Fixing accessory Cat.No 535 99

Multi-position fixing device:
1 - On the desk
2 - Under the desk
3 - Along the desk
4 - On the desk leg

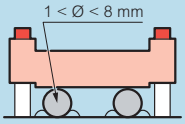


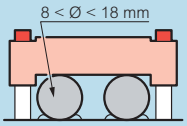
⁕ Cable management

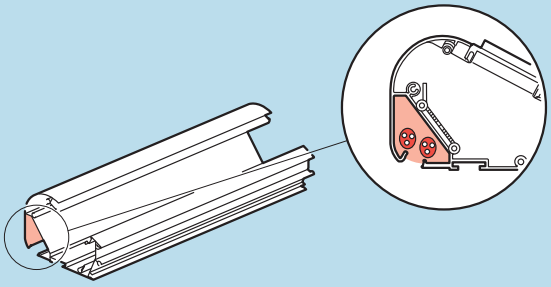




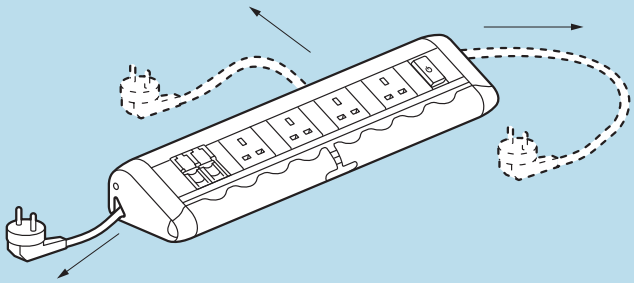
Products are delivered with cable tightener



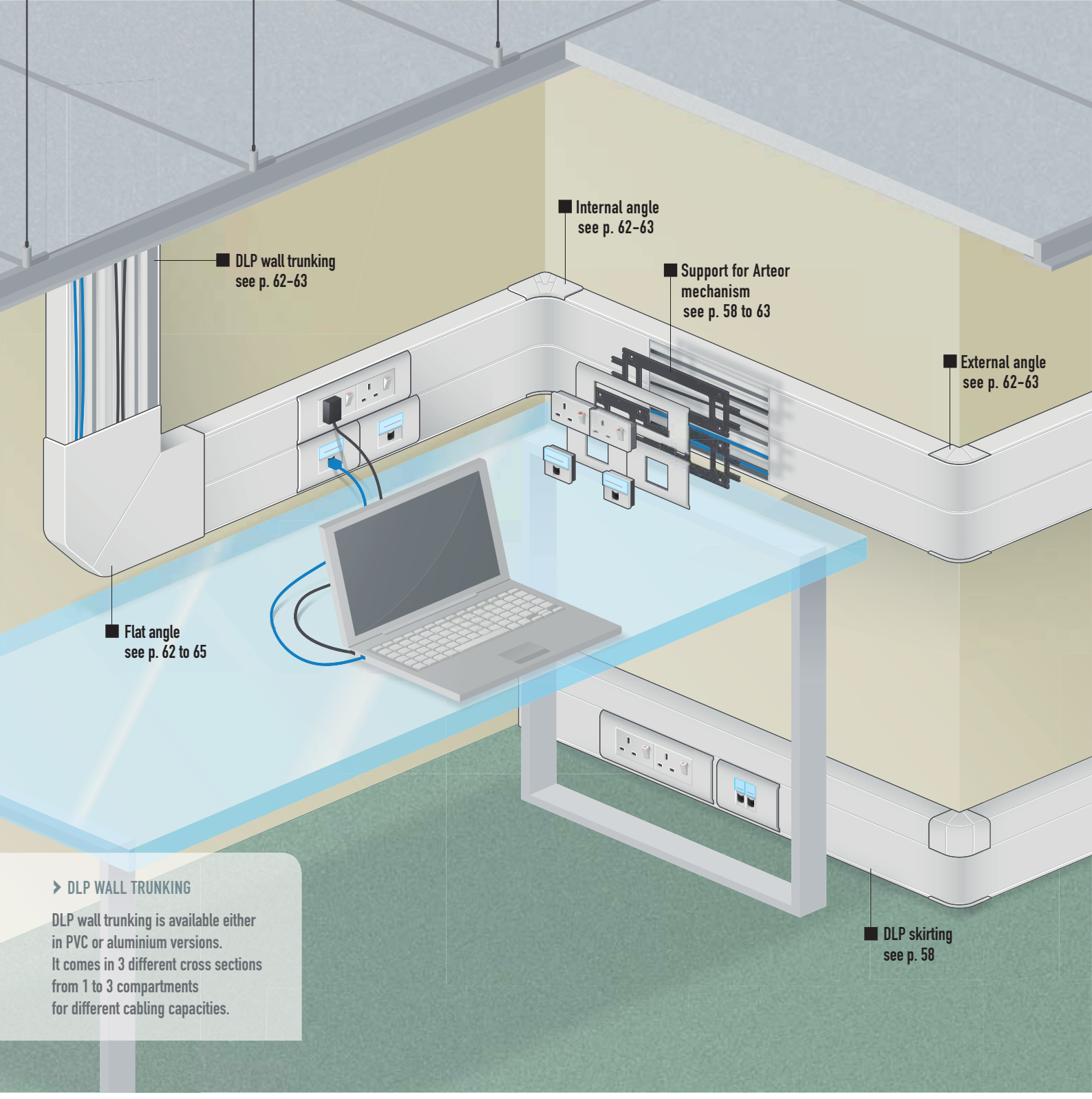




To fit 2 cables 3G 1.5 mm² or 3 data cables + 1 power cable



Multiple cable exits to fit any workstation configuration

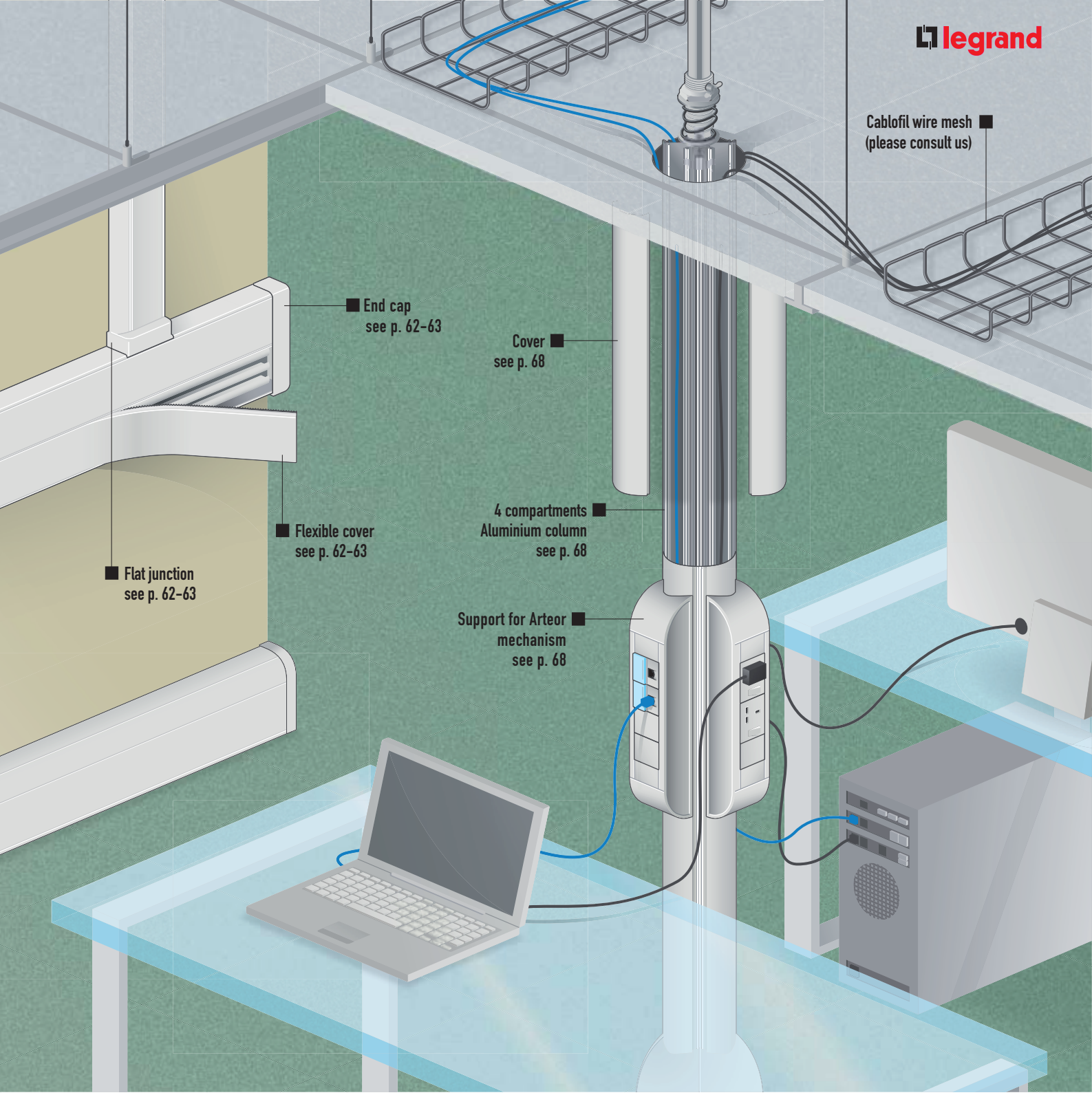


DLP WALL TRUNKING

DLP wall trunking is available either in PVC or aluminium versions.
It comes in 3 different cross sections from 1 to 3 compartments for different cabling capacities.

WALL AND CEILING SYSTEMS

Aluminium body columns and DLP wall trunking allow power and data distribution through false ceiling or along the walls. Both solutions offer perfect finish and are quick and easy to install thanks to a complete range of finishing accessories.
To be equipped with Arteor mechanisms.



Wall trunking Cross section	DLP Skirting and Dado - 3M length (1)		DLP wall trunking	
	Skirting	Dado	PVC	Aluminium
50 x 105	-	-	104 64	111 00
50 x 150	6204 58	-	-	-
50 x 195	6204 54	6204 55	104 70	111 04

(1) Supplied with cover
(2) Cover to be ordered separately (Cat. No 111 11)

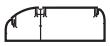
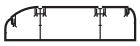
Columns Height (m)	Columns		Movable columns	
	Aluminium covers	PVC covers	Aluminium covers	PVC covers
2	-	-	307 04	307 00
2,7	307 08	307 03	-	-
3,9	307 09	307 07	-	-

OTHER SOLUTIONS

- Raised access floor systems see page 2-3
- Flush floor system see page 24-25
- Screed floor system see page 30-31
- Floor boxes and other connection points see page 38-39
- Arteor wiring devices see page 70-71

DLP trunking profiles and accessories

DLP TRUNKING SKIRTING AND DADO - PVC 3 M LENGTH

Sections (mm)		Number of compartments		Lids width	Trunkings	Joints	End caps	Angles			
								Internal angles	External angles	Flat angles up	Flat angles down
SKIRTING	50 x 150	2		1 x 42 curved + 1 x 85	6204 58	6208 46	6207 14	6206 18	6206 29	6206 43	6206 44
	50 x 195	3		1 x 42 curved + 1 x 85 + 1 x 40	6204 54	6208 47	6207 10	6206 18	6206 29	6206 65	6206 66
DADO	50 x 195	3		2 x 42 curved + 1 x 85	6204 55	6208 48	6207 13	6206 10	6206 30	6206 67	

DLP WALL TRUNKING - PVC 2 M LENGTH

Trunking			Trunking complete with cover	Separation	Clips	Body joints	Cover joints	End caps	Angles	
Number of compartments	Cover width (mm)	Dimensions (mm)							Internal angles 85 to 95°	External angles 60 to 120°
1 	 85	50 x 105	104 64	105 82	106 82	106 92	108 02	107 02	106 02	106 22
2 	 85 85	50 x 195	104 70	105 82	106 82	106 92	108 02	107 11	106 06	106 35

DLP WALL TRUNKING - ALUMINIUM 2 M LENGTH

Trunking			Trunking	Rigid cover	Separation partition	Division partition	Clips	Body joints	Cover joints	End caps
Number of compartments	Cover width (mm)	Dimensions (mm)								
1 	 85	50 x 105	111 00	111 11	111 08	-	106 82	111 66 or 111 92	111 63	111 58
2 	 85 85	50 x 195	111 04	2 x 111 11	111 08	111 06	106 82	111 66 or 111 92	111 63	111 61

Flat junctions to a vertical trunking 50 x 195	Supports					Backboxes			
	2 modules	3 modules	4 modules	6 modules	8 modules	25 mm deep		35 mm deep	
						1-gang	2-gang	1-gang	2-gang
-	109 92	109 93	109 94	109 96	109 98	6208 16	6208 17	6208 26	6208 27
6207 57	109 92	109 93	109 94	109 96	109 98	6208 16	6208 17	6208 26	6208 27
6207 59	109 92	109 93	109 94	109 96	109 98	6208 16	6208 17	6208 26	6208 27

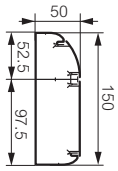
	Junctions		Supports					Backboxes			
Flat angles	Flat junctions to width 105 mm	Angled junctions	2 modules	3 modules	4 modules	6 modules	8 modules	25 mm deep		35 mm deep	
								1-gang	2-gang	1-gang	2-gang
107 85	107 36	107 63 + 106 02	109 92	109 93	109 94	109 96	109 98	6208 16	6208 17	6208 26	6208 27
107 92	107 36	107 63 + 106 06	109 92	109 93	109 94	109 96	109 98	6208 16	6208 17	6208 26	6208 27

	Angles			Junctions		Supports					Backboxes			
Internal angles	External angles	Flat angles	Flat junctions to 50 x 105 mm	Angled junctions	2 modules	3 modules	4 modules	6 modules	8 modules	25 mm deep		35 mm deep	
										1-gang	2-gang	1-gang	2-gang
112 21	112 32	112 43	112 51	112 56 + 112 21	112 12	112 13	112 14	112 16	112 18	6208 16	6208 17	6208 26	6208 27
112 29	112 40	112 47	112 51	112 56 + 112 29	112 12	112 13	112 14	112 16	112 18	6208 16	6208 17	6208 26	6208 27

skirting DLP trunking 50 x 150

Selection chart (p. 56-57)
Wiring capacity (p. 61)

Pack	Cat.Nos	2-compartment trunking
		Conforms to BS EN 50085-2-1 (where applicable) Material: high impact self-extinguishing PVC-U Colour: white RAL 9003
6	6204 58	**Trunking** 50 x 150 supplied with covers and partitions Length: 3 m, supplied in 2 lengths of 3 m Cover width: 1 x 42 curved + 1 x 85 mm
5	6208 46	**Joint** Consists of a body coupler and lid joint strips



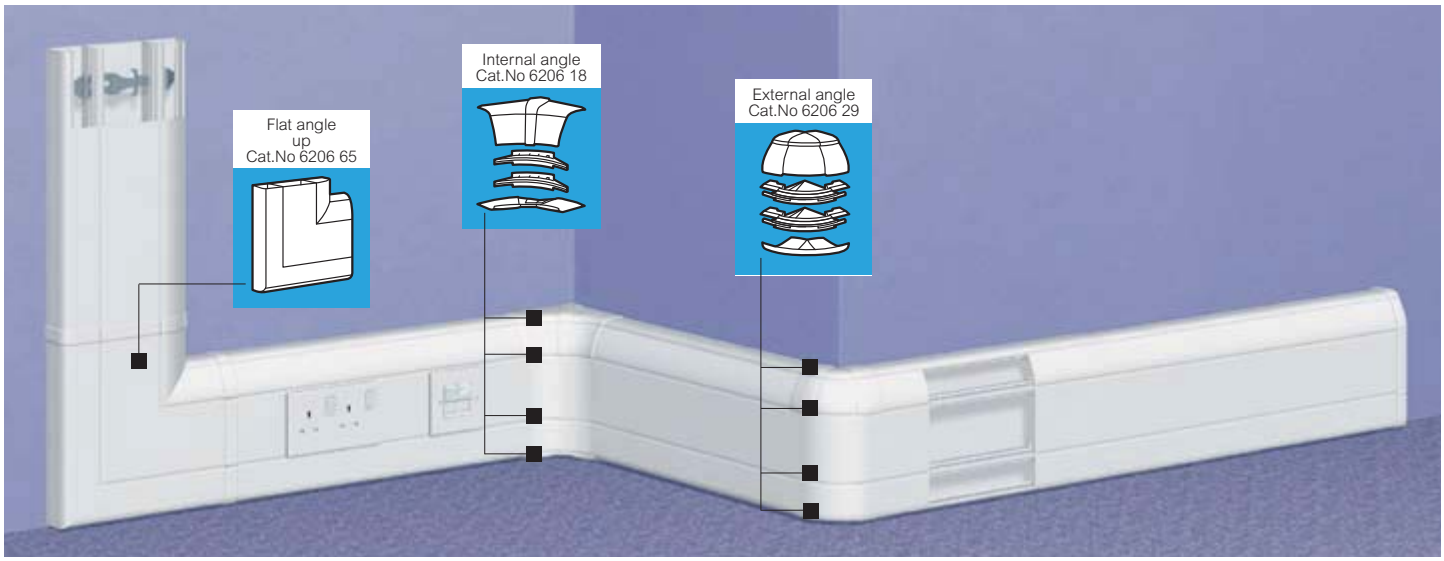
Pack	Cat.Nos	Angles
5	6206 18	**Internal angle** Variable 90 °± 5° Consists of top and bottom parts and dividers
5	6206 29	**External angle** Variable 90 ° ± 5° Consists of top and bottom parts and dividers
2	6206 43	**Flat angles** Flat angle up
2	6206 44	Flat angle down

Pack	Cat.Nos	End cap
5	6207 14	Pack of 2 containing a left and a right-hand cap

Pack	Cat.Nos	Accessories
50	106 82	**Clip** Clip for holding cable in place
24	6205 22	**Lids** Spare flat lid width 85 mm Supplied in 8 lengths of 3 m
6	6205 09	Spare curved lids width 42 mm Supplied in 2 lengths of 3 m
5	6208 16	**Backboxes** 1-gang backbox 25 mm deep
5	6208 26	1-gang backbox 35 mm deep
5	6208 17	2-gang backbox 25 mm deep
5	6208 27	2-gang backbox 35 mm deep
5	6208 29	**Cable grip** Backbox cable grip

Pack	Cat.Nos	Supports for Arteor mechanisms
20	109 92	2 modules
20	109 93	3 modules
20	109 94	4 modules
10	109 96	6 modules
10	109 98	8 modules

skirting DLP trunking 50 x 195

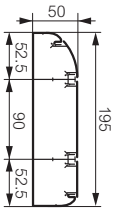


Selection chart (p. 56-57)
Wiring capacity (p. 61)

3 compartments trunking

Pack	Cat.Nos	
6	6204 54	**Trunking** 50 x 195 supplied with covers and partitions Length: 3 m, supplied in 2 lengths of 3 m Cover width: 1 x 42 curved + 1 x 85 mm + 1 x 40
5	6208 47	**Joint** Consists of a body coupler and lid joint strips

Conforms to BS EN 50085-2-1 (where applicable)
Material: high impact self-extinguishing PVC-U
Colour: white RAL 9003



Angles

Pack	Cat.Nos	
5	6206 18	**Internal angle** Variable 90 ° ± 5° Consists of top and bottom parts and dividers
5	6206 29	**External angle** Variable 90 ° ± 5° Consists of top and bottom parts and dividers
2	6206 65	**Flat angles** Flat angle up
2	6206 66	Flat angle down

End cap

Pack	Cat.Nos	
5	6207 10	Pack of 2 containing a left and a right-hand cap

Flat junction

Pack	Cat.Nos	
2	6207 57	**Flat junction dado** Up with a 195 x 50 mm dado trunking

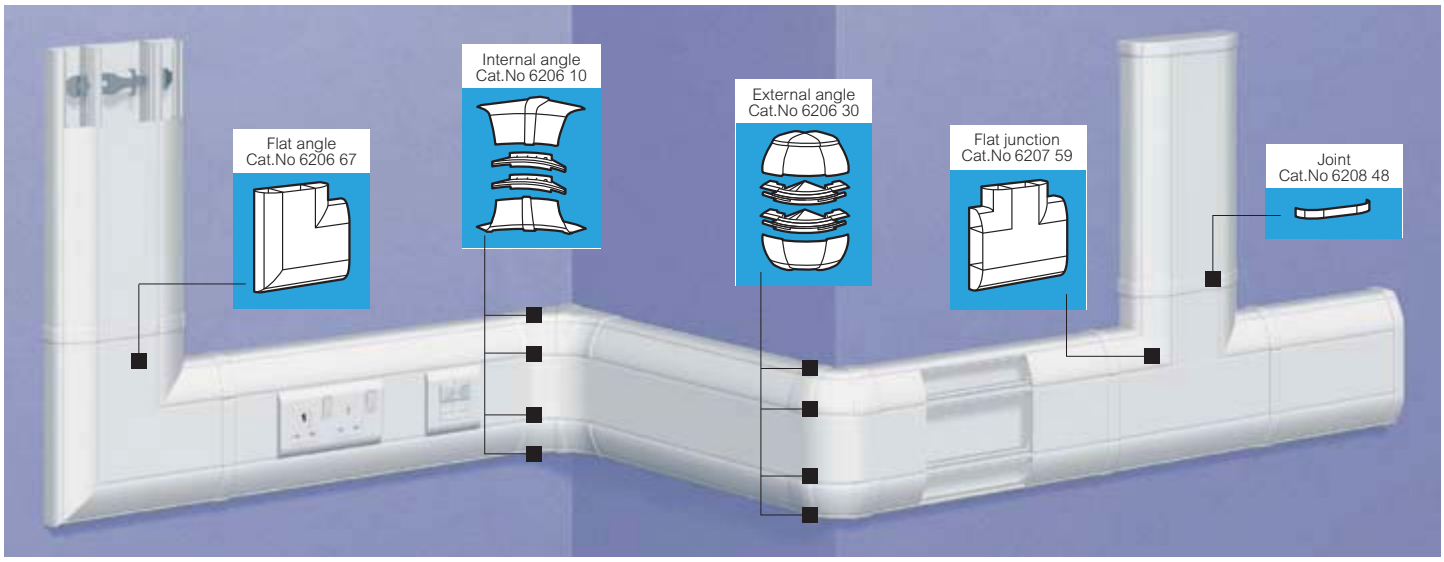
Accessories

Pack	Cat.Nos	
50	106 82	**Clip** Clip for holding cable in place
24	6205 22	**Lids** Spare flat lid width 85 mm Supplied in 8 lengths of 3 m
6	6205 09	Spare curved lids width 42 mm Supplied in 2 lengths of 3 m
5	6208 16	**Backboxes** 1-gang backbox 25 mm deep
5	6208 26	1-gang backbox 35 mm deep
5	6208 17	2-gang backbox 25 mm deep
5	6208 27	2-gang backbox 35 mm deep
5	6208 29	**Cable grip** Backbox cable grip

Supports for Arteor mechanisms

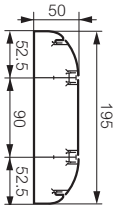
Pack	Cat.Nos	
20	109 92	2 modules
20	109 93	3 modules
20	109 94	4 modules
10	109 96	6 modules
10	109 98	8 modules

dado DLP trunking 50 x 195



Selection chart (p. 56-57)
Wiring capacity (p. 61)

Pack	Cat.Nos	3-compartment trunking
		Conforms to BS EN 50085-2-1 (where applicable) Material: high impact self-extinguishing PVC-U Colour: white RAL 9003
6	6204 55	**Trunking** 50 x 195 mm supplied with covers and partitions Length: 3 m, supplied in 2 lengths of 3 m Covers width: 2 x 42 curved + 1 x 85 mm
5	6208 48	**Joint** Consists of a body coupler and lid joint strips



Pack	Cat.Nos	Angles
5	6206 10	**Internal angle** Variable 90 °± 5° Consists of top and bottom parts and dividers
5	6206 30	**External angle** Variable 90 ° ± 5° Consists of top and bottom parts and dividers
2	6206 67	**Flat angle** Flat angle up and down

Pack	Cat.Nos	End cap
5	6207 13	Pack of 2 containing a left and a right-hand cap

Pack	Cat.Nos	Junction
2	6207 59	Flat junction

Pack	Cat.Nos	Accessories
50	106 82	**Clip** Clip for holding cable in place
24	6205 22	**Lids** Spare flat lid width 85 mm Supplied in 8 lengths of 3 m
6	6205 09	Spare curved lids width 42 mm Supplied in 2 lengths of 3 m
5	106 99	**Wall feedthrough** Provides a finish between the trunking and the wall for a feedthrough
5	6208 16	**Backboxes** 1-gang backbox 25 mm deep
5	6208 26	1-gang backbox 35 mm deep
5	6208 17	2-gang backbox 25 mm deep
5	6208 27	2-gang backbox 35 mm deep
5	6208 29	**Cable grip** Backbox cable grip

Pack	Cat.Nos	Supports for Arteor mechanisms
20	109 92	2 modules
20	109 93	3 modules
20	109 94	4 modules
10	109 96	6 modules
10	109 98	8 modules

skirting and dado DLP trunking

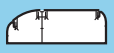
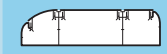
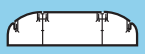
Norms

Classification for skirting and dado trunking system (standard EN 50085-2-1)		
6.2	Resistance to impact for installation and application	2.0 J
6.3	Minimum storage and transport temperature	- 25 °C
6.3	Minimum installation and application temperature	- 5 °C
6.3	Maximum application temperature	+ 60 °C
6.4	Resistance to flame propagation	Non-flame propagating
6.5	Electrical continuity characteristic	With electrical continuity characteristic
6.6	Electrical insulating characteristic	Without electrical insulating characteristic
6.7	Degree of protection provided by enclosure	IP 40
6.9	System access cover retention	With a tool
6.101	Position when surface mounted	Wall fixed/Celling fixed
6.102	Functions provided	Type 1
	Rated current	500 V
	Protection against mechanical impact	IK 07

Composition and functions for skirting and dado trunking system (standard EN 50085-2-1)

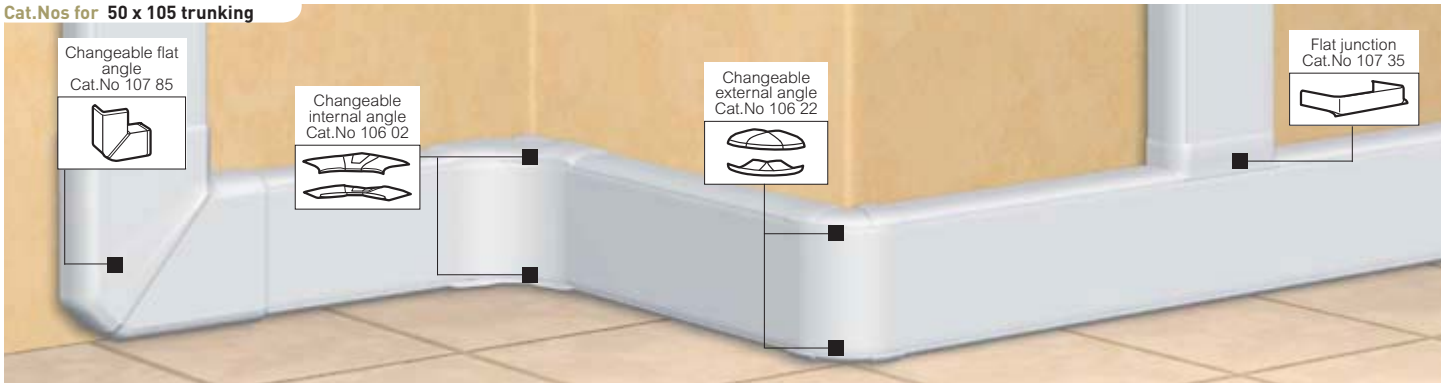
Dimensions	Cat.Nos	Type	Material	Sections mm²
50 x 150	6204 58	1	PVC	1680/4190
50 x 195	6204 54	1	PVC	1680/3900/2050
50 x 195	6204 55	1	PVC	1680/3900/1680

Wiring capacity

Dimensions	Number of compartments	Cover width	Cross-section (mm²)	Capacity	∅ max.	Conductors maximum capacity (for one specific conductor type)						
						1,5 mm²	2,5 mm²	4 mm²	6 mm²	3 x 1,5 mm²	3 x 2,5 mm²	UTP & FTP cat. 6
50 x 150  **6204 58**	2 compartments	42 curved	1680	Maximum	31	101	75	66	48	14	11	33
		85	4190	Maximum	47	254	188	165	122	37	27	83
			2420	With supports 25 mm deep	24	146	108	95	70	21	15	48
			1800	With supports 35 mm deep	20	109	80	71	52	16	11	35
50 x 195  **6204 54**	3 compartments	42 curved	1680	Maximum	31	101	75	66	48	14	11	33
		85	3900	Maximum	43	236	175	153	113	34	25	77
			2130	With supports 25 mm deep	3 x 23	129	95	84	62	18	13	42
			1510	With supports 35 mm deep	7 x 12	91	67	59	43	13	9	30
		40 curved	1680	Maximum	31	101	75	66	48	14	11	33
50 x 195  **6204 55**	3 compartments	42 curved	1680	Maximum	31	101	75	66	48	14	11	33
		85	3900	Maximum	43	236	175	153	113	34	25	77
			2130	With supports 25 mm deep	3 x 23	129	95	84	62	18	13	42
			1510	With supports 35 mm deep	7 x 12	91	67	59	43	13	9	30
		40	2050	Maximum	28	124	92	80	59	18	13	40
			1530	With Arteor supports	24	92	68	60	44	13	10	30

DLP wall trunking - PVC 50 x 105

Cat.Nos for **50 x 105 trunking**



Selection chart (p. 56-57)
Wiring capacity (p. 66)

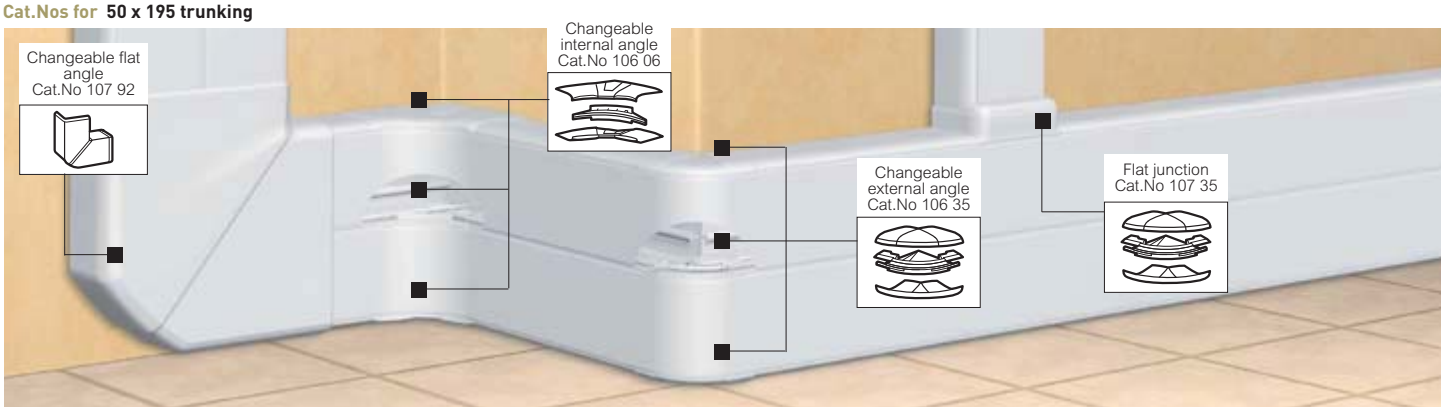
Pack	Cat.Nos	1-compartment trunking
16	104 64	**Trunking** Complies with EN 50085-2-1 Can be associated with Arteor socket outlets and supports for 85 mm cover Contains: - 1 body 50 x 105 mm, length 2 m - 1 flexible cover 85 mm width Supplied in 8 lengths of 2 m Maximum section: 4300 mm² per compartment
20	105 22	**Additional cover** Width 85 mm Supplied in 10 lengths of 2 m
24	105 82	**Additional partition** Separation partition Supplied in 12 lengths of 2 m
		Joints
10	108 02	Cover joint for 85 mm cover
20	106 92	Body joint, attached with adhesive (fit at the end of installation)
		Angles
		Internal angle
10	106 02	Changeable internal angle, from 85° to 100°
		External angle
10	106 22	Changeable external angle from 60° to 120°
		Flat angle
10	107 85	90° flat angle
		Junctions
20	107 02	Right or left end cap
		Junctions
		Flat angle
5	107 36	For a junction to a 105 mm wide trunking equipped with a 85 mm cover
		Angled junctions
5	107 63	For a junction to 50 x 105 trunking To be associated with an internal angle Cat.No 106 02

Pack	Cat.Nos	Accessories
		Clip
50	106 82	Clip for holding cable in place
		Backboxes
5	6208 16	1-gang backbox 25 mm deep
5	6208 26	1-gang backbox 35 mm deep
5	6208 17	2-gang backbox 25 mm deep
5	6208 27	2-gang backbox 35 mm deep
		Cable grip
5	6208 29	Backbox cable grip

Pack	Cat.Nos	Supports for Arteor mechanisms
20	109 92	2 modules
20	109 93	3 modules
20	109 94	4 modules
10	109 96	6 modules
10	109 98	8 modules

DLP wall trunking - PVC 50 x 195

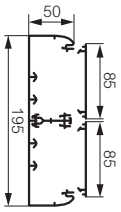
Cat.Nos for **50 x 195 trunking**



Selection chart (p. 56-57)
Wiring capacity (p. 66)

2-compartment trunking

Pack	Cat.Nos	
8	104 70	**Trunking** Complies with EN 50085-2-1 Can be associated with Arteor socket outlets and supports for 85 mm cover Contains: - 1 body 50 x 195 mm with 2 compartments - 2 flexible covers 85 mm width Supplied in 4 lengths of 2 m Maximum section: 3940 mm² per compartment
20	105 22	**Additional cover** Width 85 mm Supplied in 10 lengths of 2 m
24	105 82	**Additional partition** Separation partition Supplied in 12 lengths of 2 m
10	108 02	**Joints** Cover joint for 85 mm cover
20	106 92	Body joint, attached with adhesive (fit at the end of installation)



Angles

5	106 06	**Internal angle** Changeable from 85° to 100°
5	106 35	**External angle** Changeable from 60° to 120°
2	107 92	**Flat angle** 90° Flat angle

End cap

5	107 11	Right or left end cap

Junctions

5	107 36	**Flat junction** For a junction to a 105 mm wide trunking equipped with a 85 mm cover
5	107 63	**Angled junction** For a junction to 50 x195 trunking To be associated with an internal angle Cat.No 106 06

Accessories

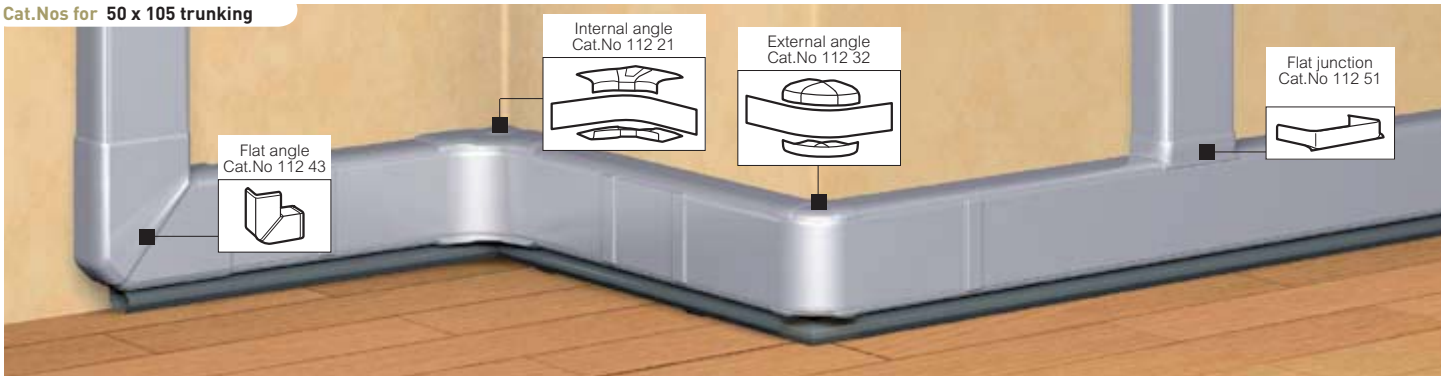
Pack	Cat.Nos	
50	106 82	**Clip** Clip for holding cable in place
		Backboxes
5	6208 16	1-gang backbox 25 mm deep
5	6208 26	1-gang backbox 35 mm deep
5	6208 17	2-gang backbox 25 mm deep
5	6208 27	2-gang backbox 35 mm deep
5	6208 29	**Cable grip** Backbox cable grip

Supports for Arteor mechanisms

20	109 92	2 modules
20	109 93	3 modules
20	109 94	4 modules
10	109 96	6 modules
10	109 98	8 modules

DLP wall trunking - aluminium 50 x 105

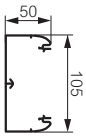
Cat.Nos for **50 x 105 trunking**



Selection chart (p. 56-57)
Wiring capacity (p. 67)

Aluminium DLP trunking

Pack	Cat.Nos	
8	111 00	**Trunking** 50 x105 trunking, length 2 m Supplied without cover Supplied in 4 lengths of 2 m
16	111 11	**Cover** Rigid cover 85 mm width Supplied in 8 lengths of 2 m
24	111 08	**Partition** Separation partition Supplied in 12 lengths of 2 m
10	111 63	**Joints** Cover joint for 85 mm cover
20	111 66	Body joint attached with adhesive (fit at the end of installation)
20	111 92	Body joint attached with splint



Angles

Pack	Cat.Nos	
10	112 43	Flat angle
1	112 32	External angle
1	112 21	Internal angle

End cap

Pack	Cat.Nos	
20	111 58	End cap

Junctions

Pack	Cat.Nos	
5	112 51	**Flat junction** For 50 x105 trunking, cover width 85 mm
5	112 56	**Angled junction** For a junction to 50 x 105 trunking, cover width 85 mm Use with internal angle Cat.No 112 21

Accessories

Pack	Cat.Nos	
50	106 82	**Clip** Clip for holding cable in place
5	6208 16	**Backboxes** 1-gang backbox 25 mm deep
5	6208 26	1-gang backbox 35 mm deep
5	6208 17	2-gang backbox 25 mm deep
5	6208 27	2-gang backbox 35 mm deep
5	6208 29	**Cable grip** Backbox cable grip

Supports for Arteor mechanisms

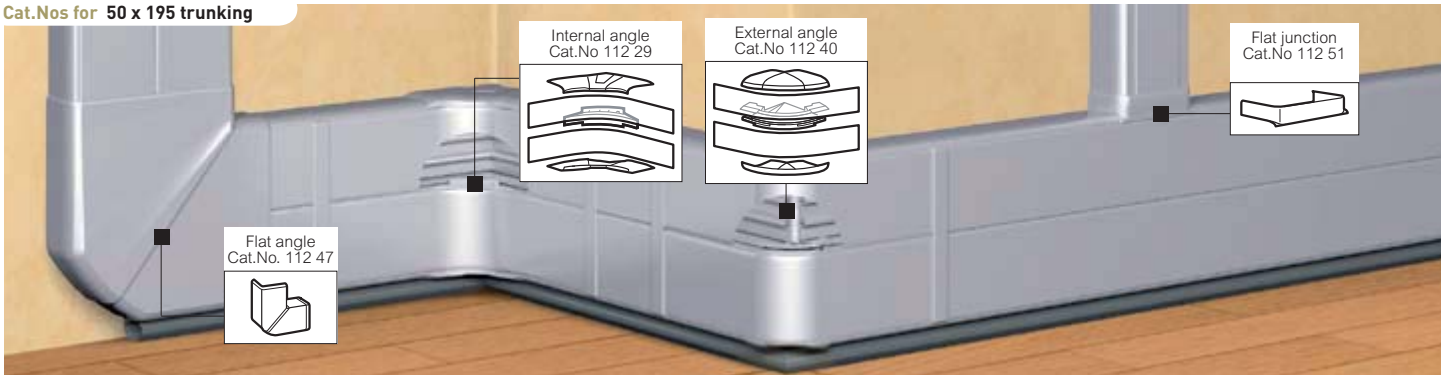
Pack	Cat.Nos	
20	112 12	2 modules
20	112 13	3 modules
20	112 14	4 modules
10	112 16	6 modules
10	112 18	8 modules

Earth link

Pack	Cat.Nos	
20	111 88	Earth link connector

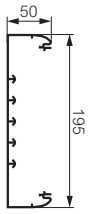
DLP wall trunking - aluminium 50 x 195

Cat.Nos for **50 x 195 trunking**



Selection chart (p. 56-57)
Wiring capacity (p. 67)

Aluminium DLP trunking



Pack	Cat.Nos	
4	111 04	**Trunking** 50 x 195 trunking, length 2 m Supplied without cover Supplied in 2 lengths of 2 m
16	111 11	**Cover** Rigid cover 85 mm width Supplied in 8 lengths of 2 m
24	111 08	**Partitions** Separation partition length 2m Supplied in 12 lengths of 2 m
12	111 06	Division partition for cover 85 mm width Supplied in 6 lengths of 2 m
10	111 63	**Joints** Cover joint for 85 mm cover
20	111 66	Body joint attached with adhesive (fit at the end of installation)
20	111 92	Body joint attached with splint

Angles

2	112 47	Flat angle
1	112 40	External angle
1	112 29	Internal angle

End cap

10	111 61	End cap

Junctions

5	112 51	**Flat junction** For 50 x105 trunking, cover width 85 mm
5	112 56	**Angled junction** For a junction to 50 x 195 trunking, cover width 85 mm Use with internal angle Cat.No 112 29

Accessories

Pack	Cat.Nos	
50	106 82	**Clip** Clip for holding cable in place
5	6208 16	**Backboxes** 1-gang backbox 25 mm deep
5	6208 26	1-gang backbox 35 mm deep
5	6208 17	2-gang backbox 25 mm deep
5	6208 27	2-gang backbox 35 mm deep
5	6208 29	**Cable grip** Backbox cable grip

Supports for Arteor mechanisms

20	112 12	2 modules
20	112 13	3 modules
20	112 14	4 modules
10	112 16	6 modules
10	112 18	8 modules

Earth link

20	111 88	Earth link connector

DLP wall trunking - PVC

■ Norms

Classification EN 50085-2-1		Level
6.1	Void	
6.2	Resistance to impact for installation and application	2.0 J
6.3	Minimum storage and transport temperature	- 25 °C
6.3	Minimum installation and application temperature	- 5 °C
6.3	Maximum application temperature	+ 60 °C
6.4	Resistance to flame propagation	Non-flame propagating
6.5	Electrical continuity characteristic	Without electrical continuity characteristic
6.6	Electrical insulating characteristic	With electrical insulating characteristic
6.7	Degrees of protection provided by enclosure	IP 40
6.9	System access cover retention	With a tool
6.101	Position when surface mounted	Wall fixed, ceiling fixed, wall fixed and supported by the floor or other horizontal surface
6.102	Prevention of contact between liquids and insulated conductors and live parts in case of CTS/CDS mounted in a skirting position and wet-treatment of floor	Instructions restricting the installation position
6.103	The functions provided	Type 3 (installation)
Rated current		500 V
Against mechanical shocks		IK 07

■ Wiring capacity

Dimensions	Number of compartments	Cover width	Section (mm²)	Capacity	Ø max.	Conductors maximum capacity (for one specific conductor type)						
						1.5 mm²	2.5 mm²	4 mm²	6 mm²	3 x 1.5 mm²	3 x 1.5 mm²	UTP & FTP cat. 6
50 x 105  Cat.No 104 64	1 compartment	85	4300	Maximum	42	260	113	169	125	38	28	85
			2270	With Arteor support	2 x 24	137	102	89	66	20	14	45
50 x 195  Cat.No 104 70	2 compartments	85	3940	Maximum	42	238	177	155	114	35	25	78
			1910	With Arteor support	26	115	85	75	55	16	12	38
		85	3940	Maximum	42	238	177	155	114	35	25	78
			1910	With Arteor support	26	115	85	75	55	16	12	38

DLP wall trunking - aluminium

■ Norms

Classification EN 50085-2-1		Level
6.2	Resistance to impact for installation and application	2.0 J
6.3	Minimum storage and transport temperature	- 25 °C
6.3	Minimum installation and application temperature	+ 15 °C
6.3	Minimum application temperature	+ 60 °C
6.4	Resistance to flame propagation	Non-flame propagating
6.5	Electrical continuity characteristic	With electrical continuity characteristic
6.6	Electrical insulating characteristic	Without electrical insulating characteristic
6.7	Degrees of protection provided by enclosure	IP 40
6.9	System access cover retention	With a tool
6.101	Conditions d'utilisation	Wall fixed, ceiling fixed, wall fixed and supported by the floor (with Cat.No 105 80)
6.102	The functions provided	Type 1
Protection against mechanical impact		IK 07

■ Wiring capacity

Dimensions	Number of compartments	Cover width	Section (mm²)	Capacity	Ø max.	Conductors maximum capacity (for one specific conductor type)						
						1.5 mm²	2.5 mm²	4 mm²	6 mm²	3 x 1.5 mm²	3 x 1.5 mm²	UTP & FTP cat. 6
50 x 105  Cat.No 111 00	1 compartment	85	4300	Maximum	42	260	193	169	125	38	28	85
			2270	With Arteor support	2 x 24	137	102	89	66	20	14	45
50 x 195  Cat.No 111 04	2 compartments	85	3940	Maximum	42	238	177	155	114	35	25	78
			1910	With Arteor support	26	115	85	75	55	16	12	38
		85	3940	Maximum	42	238	177	155	114	35	25	78
			1910	With Arteor support	26	115	85	75	55	16	12	38

■ Installation principle








1 Install the upper and lower parts of the angle

2 Fix the partition junction

3 Clip the cover and the three elements of the angle

ceiling columns


307 08 + 307 79


307 07 + 310 66


307 00 + 310 65


307 78


310 65

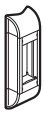
Technical characteristics (p. 69)

To distribute power and data to a workstation from the ceiling

Pack	Cat.Nos	Ceiling columns
		4-compartment columns, allowing perfect separation between ELV and LV currents Consist of: - Aluminium body - Telescoping pole with height adjustment for installing between false ceiling and ceiling (up to 1.10 m) - Two fixing bases with protective caps - 4 covers
		Height 2.7 m Can be adjusted to a ceiling height of 3.80 m
1	307 08	● Aluminium covers
1	307 03	○ White PVC covers
		Height 3.9 m Can be adjusted to a ceiling height of 5 m
1	307 09	● Aluminium covers
1	307 07	○ White PVC covers

Pack	Cat.Nos	Movable column
		4-compartment columns, allowing perfect separation between ELV and LV currents Consists of: - An aluminium base, length 2 m - 60 mm flexible conduit, capacity 4 x 20, length 2 m - 4 covers Power supply from ceiling via a flexible sheath Radius of movement of the column in relation to power supply point: 1.5 m To fix on in a false ceiling max. height 3 m
		Height 2 m
1	307 04	● Aluminium covers
1	307 00	○ White PVC covers

Pack	Cat.Nos	Wiring accessory supports for columns and mini-columns
		To be equipped with Arteor sockets (p. 72 to 75)
		4 modules - length 215 mm
1	307 78	● Grey finish
1	310 65	○ White finish
		8 modules - length 325 mm
1	307 79	● Grey finish
1	310 66	○ White finish
		12 modules - length 415 mm
1	307 80	● Grey finish
1	310 67	○ White finish



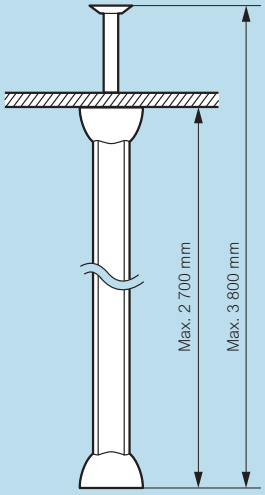
ceiling columns

■ Wiring capacity

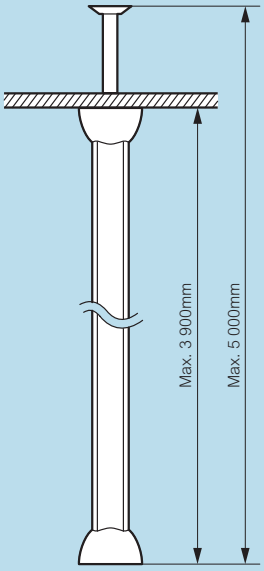
Cat.Nos	Number of compartments	Capacity	Section (mm²)	∅ max.
307 00/04	4 compartments	Maximum	1250	25
		With Arteor support	350	2 x 13
307 08/03 307 09/07	4 compartments	Maximum	1250	25
		With Arteor support	350	2 x 13

■ Dimensions

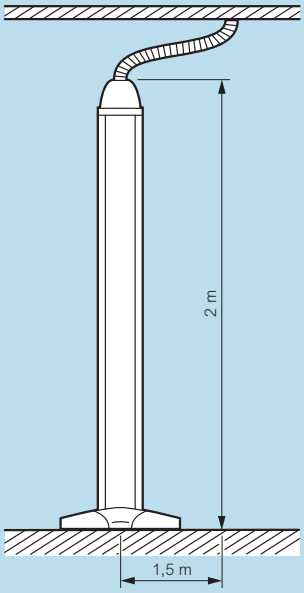
Cat.Nos 307 08/03



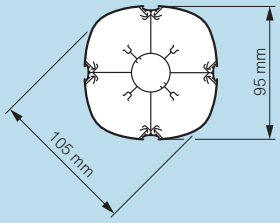
Cat.Nos 307 09/07



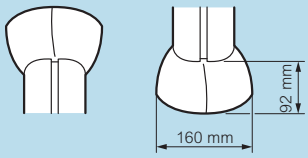
Cat.Nos 307 00/04



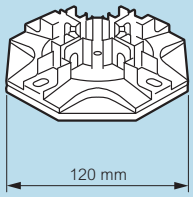
Aluminium body + covers



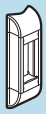
Protection covers



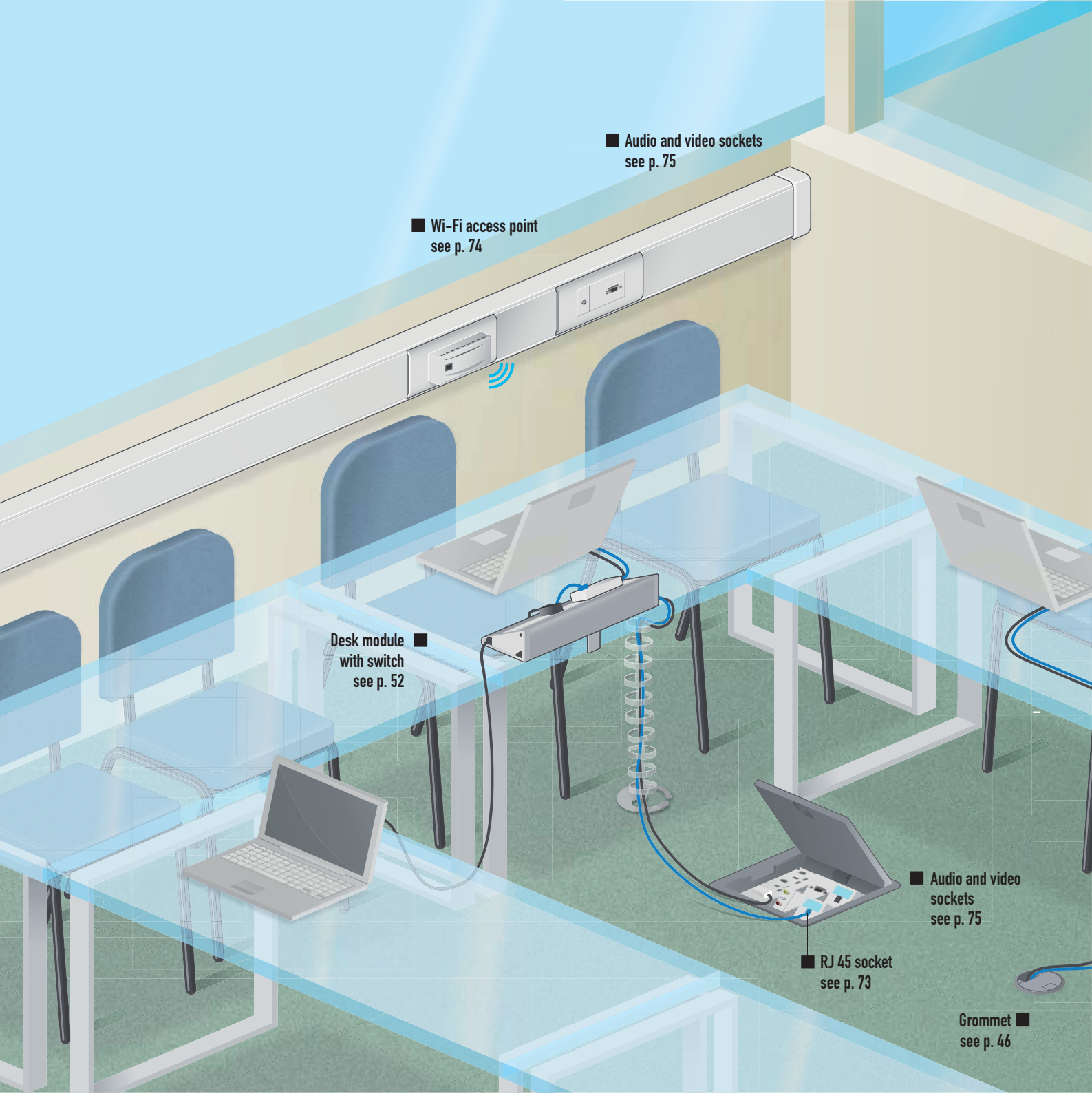
Base plate of fixing for columns



Wiring accessory supports



Cat.Nos	Number of modules	Dimensions (mm)	
		Length	Width
307 78 310 65	4 modules	215	61
307 79 310 66	8 modules	325	61
307 80 310 67	12 modules	415	61



ARTEOR WIRING DEVICES

One full range offering specific functions for offices and covering all needs for power, data, voice, and image distribution. Arteor mechanisms can be fitted on any type of Legrand cable management system, from floor boxes to DLP wall trunking, columns and mini-columns or desktop modules.

Mini-column
see p. 51

› ARTEOR

For complete range please consult us.

OTHER SOLUTIONS

- Raised access floor systems — see page 2-3
- Flush floor system — see page 24-25
- Screed floor system — see page 30-31
- Wall and ceiling systems — see page 54-55
- Floor boxes and other connection points — see page 38-39

Arteor™
British standard socket outlets RCBO and MCB


5721 30


5723 60


5723 61

Mechanisms supplied with cover plates
For integration in floor boxes (p. 40), desktop multi outlet extensions (p. 52), supports for columns (p. 68),mini-columns (p. 51) and DLP trunking (p. 58 to 65)

Pack	Cat.Nos		
	White	Magnesium	
10	5721 10	5726 10	**5 A** Conform to BS 546 2P+E 2 modules 22.5 x 45 mm
10	5721 11	5726 11	**13 A** Conform to BS 1363 Part 2 2P+E ASTA licence 2 modules 22.5 x 45 mm
5	5721 30	5726 30	2P+E switched ASTA licence 3 modules 22.5 x 45 mm
5	Red 5724 67		2P+E switched - dedicated non standard pin 3 modules 22.5 x 45 mm
5	White 5721 32	Magnesium 5726 32	**15 A** Conform to BS 546 2P+E switched 3 modules 22.5 x 45 mm

RCBO

Pack	Cat.Nos	
1	White 5723 60	Single pole + Neutral - 30 mA 16 A - 230 V~ The RCBO is used to protect people (premises with a conductive floor, presence of water, etc...) against direct contact with live parts or leakages to earth With test button 2 modules 22.5 x 45 mm

Thermal magnetic proximity MCB

Pack	Cat.Nos	
1	White 5723 61	Single pole + Neutral - 230 V~ 16 A Used for local protection of part in a circuit (e.g. 2P+E socket) against overloads and short-circuits Used in addition to the main protection as it is both close to the user and discriminating vis-à-vis the main protection, and can therefore be reset immediately The proximity MCB can also be used as a local consumption limiter (depending on its rating) Breaking capacity: 3000 A 2 modules 22.5 x 45 mm

Arteor™
telephone sockets


5723 00


5728 13

Mechanisms supplied with cover plates
For integration in floor boxes (p. 40), desktop multi outlet extensions (p. 52), supports for columns (p. 68),mini-columns (p. 51) and DLP trunking (p. 58 to 65)

RJ 11 and RJ 12 sockets

Pack	Cat.Nos		
	White	Magnesium	Equipped with modular Jack connector with 1/4 turn terminal for fast connection (possible looping)
10	5723 00	5728 00	**RJ 11** 4 contacts 1 module 22.5 x 45 mm
10	5723 13	5728 13	4 contacts 2 modules 22.5 x 45 mm
10	5723 12	5728 12	**RJ 12** 6 contacts 2 modules 22.5 x 45 mm

Thermal magnetic proximity MCB

Pack	Cat.Nos		
	White	Magnesium	With IDC connection Conform to British Telecom
10	5723 10	5728 10	Single master 2 modules 22.5 x 45 mm
10	5723 01	5728 01	Single secondary 1 module 22.5 x 45 mm

Arteor™
10 Giga, Cat. 6 and Cat. 5e data sockets


5723 06


5728 16


5728 02


5723 15

Mechanisms supplied with cover plates
For integration in floor boxes (p. 40), desktop multi outlet extensions (p. 52), supports for columns (p. 68), mini-columns (p. 51) and DLP trunking (p. 58 to 65)
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

Pack	Cat.Nos White	Cat.Nos Magnesium	RJ 45 - tool-less system
			Rapid connection sockets, no tool required
			10 Giga
			Supports 10 G base-T applications up to 100 m in a channel conforming to ISO/IEC TIA TSB 155 and IEEE 802.3an
10	5723 06	5728 06	STP/FTP - 9 contacts, shielded folded metal 1 module 22.5 x 45 mm
			Cat. 6
10	5723 23	5728 23	STP - 9 contacts, shielded folded metal 1 module 22.5 x 45 mm
10	5723 17	5728 17	STP - 9 contacts, shielded folded metal 2 modules 22.5 x 45 mm
10	5723 22	5728 22	FTP - 9 contacts 1 module 22.5 x 45 mm
10	5723 16	5728 16	FTP - 9 contacts 2 modules 22.5 x 45 mm
10	5723 02	5728 02	UTP - 8 contacts 1 module 22.5 x 45 mm
10	5723 14	5728 14	UTP - 8 contacts 2 modules 22.5 x 45 mm
			Cat. 5e
10	5723 04	5728 04	FTP - 9 contacts 1 module 22.5 x 45 mm
10	5723 03	5728 03	UTP - 8 contacts 1 module 22.5 x 45 mm
10	5723 15	5728 15	UTP - 8 contacts 2 modules 22.5 x 45 mm

Arteor™
rear pluggable data sockets and wiring splitter


5723 31


5728 32


5723 36


5728 35

Mechanisms supplied with cover plates
For integration in floor boxes (p. 40), desktop multi outlet extensions (p. 52), supports for columns (p. 68), mini-columns (p. 51) and DLP trunking (p. 58 to 65)
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

Pack	Cat.Nos White	Cat.Nos Magnesium	Rear pluggable RJ 45 sockets
			For use with area distribution boxes (consult us), connection to boxes via RJ 45-RJ 45 dedicated cords (consult us) Used to create Cat. 6 and Cat. 5e links in accordance with standards 2 modules 22.5 x 45 mm
			Cat. 6
10	5723 31	5728 31	UTP
10	5723 33	5728 33	FTP
			Cat. 5e
10	5723 30	5728 30	UTP
10	5723 32	5728 32	FTP

Pack	Cat.Nos White	Cat.Nos Magnesium	Telephone/Ethernet wiring splitter
			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 min. depth 35 mm Telephone and Ethernet applications marked on the protective cap 1 module 22.5 x 45 mm
10	5723 36	5728 36	FTP double connector 9 contacts
10	5723 35	5728 35	FTP double connector 9 contacts

For complete Arteor catalogue

please consult us

Arteor™
Ethernet switches, Wi-Fi access points

5720 83

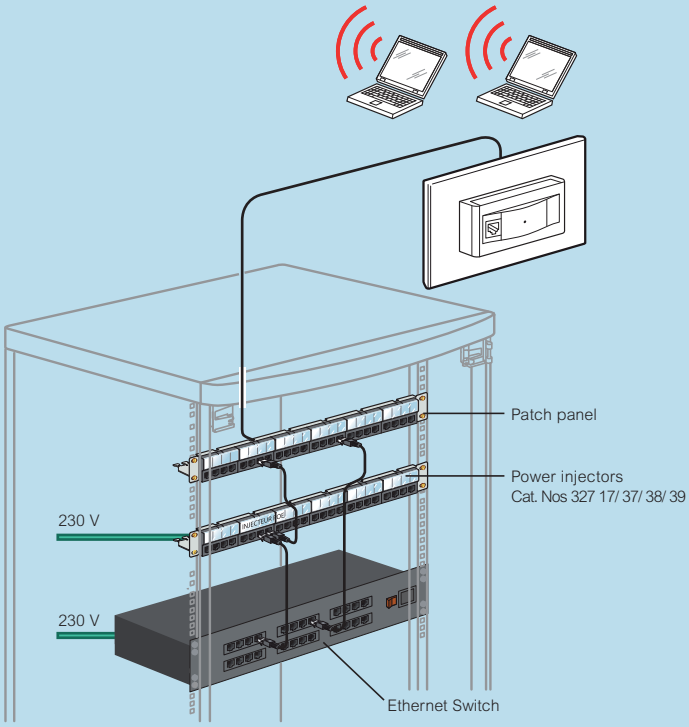
5723 76

Mechanisms supplied with cover plates
For integration, in desktop multi outlet extensions (p. 52), supports for columns (p. 68), mini-columns (p. 51) and DLP trunking (p. 58 to 65)

Pack	Cat.Nos		
			Ethernet 10/100 base T switches
			Possible to extend an existing network by simply replacing an RJ 45 socket Voltage power indicator on the front panel Secure access to the Reset function Conforming to standards IEEE 802.3 (Ethernet) and EN 500 81/82-2 (EMC requirements) Require the use of Ethernet 10/100 base T network cards on the peripherals for 10/100 Mbps data exchanges Equipped with 6 front ports + 1 RJ 45 connector on the side for wiring and carrying out testing of the link No tool required for connection Port status display integrated in the RJ 45 connectors Support of the total fowarding capacity on all ports Integrated marker-holder for identification of the switch Marking of ports from 1 to 6 6 modules 22.5 x 45 mm
	White	Magnesium	
			Non-manageable
10	5720 83	5728 83	230 V supply
10	5720 84	5728 84	PoE supply (802.3 af)
			Manageable
10	5720 85	5728 85	230 V supply
			Wi-Fi access point
			Come in addition to a new or existing LCS structured cabling, to meet the requirements for mobility in the building (meeting rooms for example) Identical connection to the LCS RJ 45 socket Remote management via a web interface Allow the configuration and the exploitation of the Wi-Fi access point by the network administrator. Security via WPA2 encryption (802.11i) and/or authentication (802.11x) Guest access to offer free access to the guests and keep independent and secure the main Wi-Fi network Supply via Power over Ethernet (standard 802.3 af) 4 modules 22.5 x 45 mm
	White	Magnesium	
10	5723 76	5728 76	Standards 802.11a and 802.11b/g dual-band dual-radio Data rate: 54 Mbps max. on each frequency (802.11a and 802.11g) Equipped with an RJ 45 socket on the front panel
10	5723 77	5728 77	Standards 802.11a and 802.11b/g dual-band dual-radio Data rate: 54 Mbps max. on each frequency (802.11a and 802.11g)
10	5723 78	5728 78	Standard 802.11 b/g Data rate: 54 Mbps max.

Arteor™
Ethernet switches, Wi-Fi access points

■ Installation principle



■ Arteor 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	13	8
Max. data rate	54 Mbps	54 Mbps

■ Advantages of a Legrand Wi-Fi access point

- Possibility of simultaneous operation on 2 frequencies, a and b/g Provides a max. data 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 with the quick configuration node

NEW: Guest access to offer a free access for the guest and keep independent and secure the main Wi-Fi network

■ Installation

In all supports that can take an Arteor mechanism (ducting, columns, flush-mouting 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
- Provide 1 access point per 100 m^2 for global coverage and a maximum gross speed
- Provide 1 access point with an RJ 45 socket for an office used by visitors

■ 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

Arteor™
audio and video sockets


5727 75


5722 72


5727 73


5722 74


5722 76


5722 79


5722 81


5744 01


5722 88

Mechanisms supplied with cover plates
For integration in floor boxes (p. 40), desktop multi outlet extensions (p. 52), supports for columns (p. 68),mini-columns (p. 51) and DLP trunking (p. 58 to 65)

Pack	Cat.Nos White	Cat.Nos Magnesium	Audio and video sockets
			USB sockets
1	5722 75	5727 75	Used to bring connections closer to the user For connecting USB devices (scanner-printer, external hard disk) Connection via screw terminals cross-section 1 mm² Recommended cable: USB A max. cable lenght 5 m 1 module 22.5 x 45 mm
			2 x female RCA
1	5722 72	5727 72	For the stereo audio connection of any DVD drive, camera, video recorder, etc. type peripheral Recommended cable: 1 shielded audio pair 1 module 22.5 x 45 mm
			3 x female RCA
1	5722 73	5727 73	For the composite video and stereo audio connection of a DVD drive, camera, video recorder, video conference equipment etc. Recommended cable: 1 shielded audio pair + 1 x 3 mm mini-coaxial 1 module 22.5 x 45 mm
			YUV
1	5722 71	5727 71	For analog high definition connection of a DVD, PC monitor, plasma screen, video projector, graphic paintbox, etc. Recommended cable: 3 x 3 mm mini-coaxial (max. cable length 25 m) or 3 x RG59 coaxial (max. cable length 50 m) 1 module 22.5 x 45 mm
			Female 3.5 mm jack For stereo audio connection from a portable source Recommended cable: 1 x 0.22 mm² shielded audio pair
1	5722 74	5727 74	Connection on screw terminals 1 module 22.5 x 45 mm
			Female BNC 75
1	5722 76	5727 76	For the composite video connection of any DVD drive, camera, video recorder, etc. Recommended cable: RG59 coaxial Max. cable length: 10 m 1 module 22.5 x 45 mm

Pack	Cat.Nos White	Cat.Nos Magnesium	Audio and video sockets (continued)
			Female HD 15 For VGA, XGA or VESA connection of a PC monitor, plasma screen, video projector, graphic paintbox, etc. Recommended cable Cat.No 327 81 Max. cable lenght 25 m (beyond this a VGA amplifier is recommended)
1	5722 82	5727 82	Connection on screw terminals 2 modules 22.5 x 45 mm
1	5722 79	5727 79	Solder connection 1 module 22.5 x 45 mm
			HDMI
1	5722 81	5727 81	For digital high definition audio and video connection of a PC monitor, plasma screen, video projector, graphic paintbox, etc. Recommended cable Cat.No 327 80 2 modules 22.5 x 45 mm
			S-Video socket (4-pin mini-DIN)
1	5744 01	5744 51	1-gang Provides the YC video link for any peripheral device such as a DVD drive, camera, video recorder, videoconferencing, etc 1 module 22.5 x 45 mm

Pack	Cat.Nos White	Cat.Nos Magnesium	Female HD 15 + jack 3.5 mm
10	5722 88	5727 88	2 modules 22.5 x 45 mm

For complete Arteor catalogue

please consult us

catalogue number index

catalogue number index

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World Headquarters
and International Department
128, av du Maréchal-de-Lattre de Tassigny
87045 Limoges Cedex - France
☎ : + 33 (0) 5 55 06 87 87
Fax: + 33 (0) 5 55 06 74 55
email: direction-export.limoges@legrand.fr

www.legrandgroup.com

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