FLOOR AND PERIMETER SYSTEMS

PRODUCT TECHNICAL GUIDE

POWERED BY SPECIALISTS

legrand®

Global strength

built on local knowledge

Legrand is the global specialist in electrical and digital building infrastructures. Innovation is the driving force behind its development. With an increasing investment in research and development (circa 5% of sales) and more than 4,000 active patents, the Legrand Group is focused on maintaining a high rate of new product launches that present innovative solutions to the market.

COMPLETE CABLE MANAGEMENT SOLUTIONS

Using its global strength and market leading position, Legrand has developed a complete range of cable management solutions, including:

- Swifts cable ladder
- Swifts cable tray
- Salamandre distribution trunking
- Salamandre lighting trunking
- Cablofil steel wire cable tray
- Cablofil PVC tray
- Floor systems - including powertrack, underfloor trunking, floor boxes, grommets and the Soluflex cavity floor system

CONTENTS

PRODUCT SELECTION

TECHNICAL SPECIFICATIONS

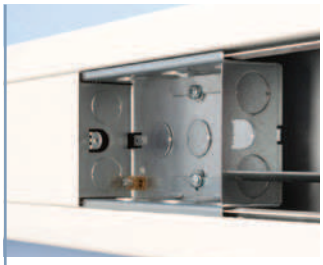
STEEL PERIMETER TRUNKING

simple, reliable power and data distribution

Legrand's steel perimeter trunking system provides the end user with a safe and stylish solution and the installer with an easy and quick to fit system. Being steel, the trunking is tough enough for high traffic environments such as schools, hospitals and laboratories.

Steel perimeter trunking from Legrand... flexible, fast fit and safe

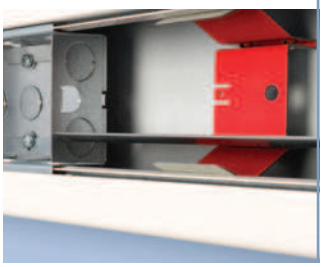
- Available in heights of 110, 130 and 170mm, including a 170mm skirting option with offset opening
- Screwless - no visible screws when installed
- Earthing cams earth the system during assembly
- Up to 4 compartments can be easily configured on site
- Powder coating is low smoke zero halogen
- Available in other finish styles - unpainted, any RAL colour



Steel back boxes are compatible with British Standard wiring accessories and improve EMC (electromagnetic compatibility)

The universal snapper clip allows compartments to be configured on site and the steel divider improves EMC

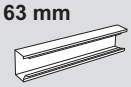
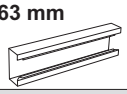
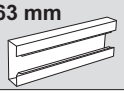
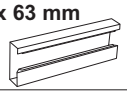
A range of wiring accessories can be added to the trunking, including Legrand's Synergy and Arteor ranges

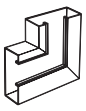
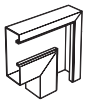
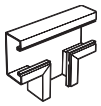
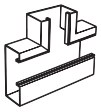
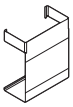
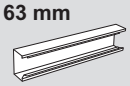
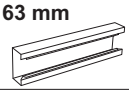
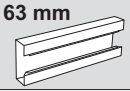
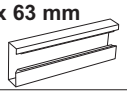


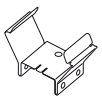
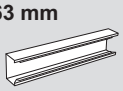
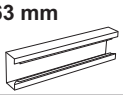
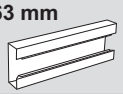
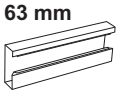
The rolled edge on the trunking opening and divider reduces the risk of injury or damage to cables when installing the trunking

steel perimeter trunking selection chart

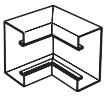
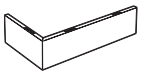
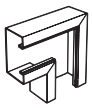
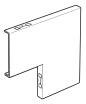
110 x 63 mm / 130 x 63 mm / 170 x 63 mm / 170A x 63 mm

Type	Trunking body	Lid	Accessory spacer lid	Couplers[1] (Supplied in pairs)
				
	Length 3 m	Length 1·5 m	Length 100 mm	
110 x 63 mm 	MP351233	MP351230	MP351220	MP351523
130 x 63 mm 	MP351235	MP351230	MP351220	MP351525
170 x 63 mm 	MP351236	MP351230	MP351220	MP351526
170A x 63 mm 	MP351237	MP351230	MP351220	MP351527

Type	Flat bend body rising	Flat bend body descending	Tee body[4]	Tee body rising[4]	Tee cover strap
					
110 x 63 mm 	-	-	MP351393	-	MP351563
130 x 63 mm 	-	-	MP351395	-	MP351565
170 x 63 mm 	-	-	MP351396	-	MP351566
170A x 63 mm 	MP351337	MP351367	-	MP351397	MP351567[2] MP351597[3]

Type	Riser trunking lid	Earthing wire	Universal snapper clip[1]	Divider[1]	Base divider[1]	Base divider fixing bracket[1]
						
				1 m	2 m	
			Regular power and data separation		Additional partition for the base	
110 x 63 mm 	MP351439	MP351499	MP351319	MP351189	-	-
130 x 63 mm 	MP351439	MP351499	MP351319	MP351189	MP351279	MP351299
170 x 63 mm 	MP351439	MP351499	MP351319	MP351189	MP351289	MP351309
170A x 63 mm 	MP351439	MP351499	MP351319	MP351189	MP351289	MP351309

1 : Internal components supplied unpainted 2 : Rising to 170 mm wide trunking
3 : Rising to 130 mm wide trunking 4 : Crossover available on request, please contact us on +44 (0)370 608 9020

	Universal internal/ external bend lid 90° +/- 5°	Internal bend cover straps 135°- 180°	Internal bend body	External bend body	External bend lid	Flat bend body	Flat bend lid
							
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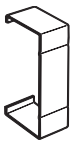
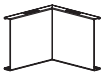
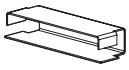
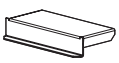
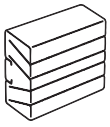
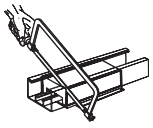
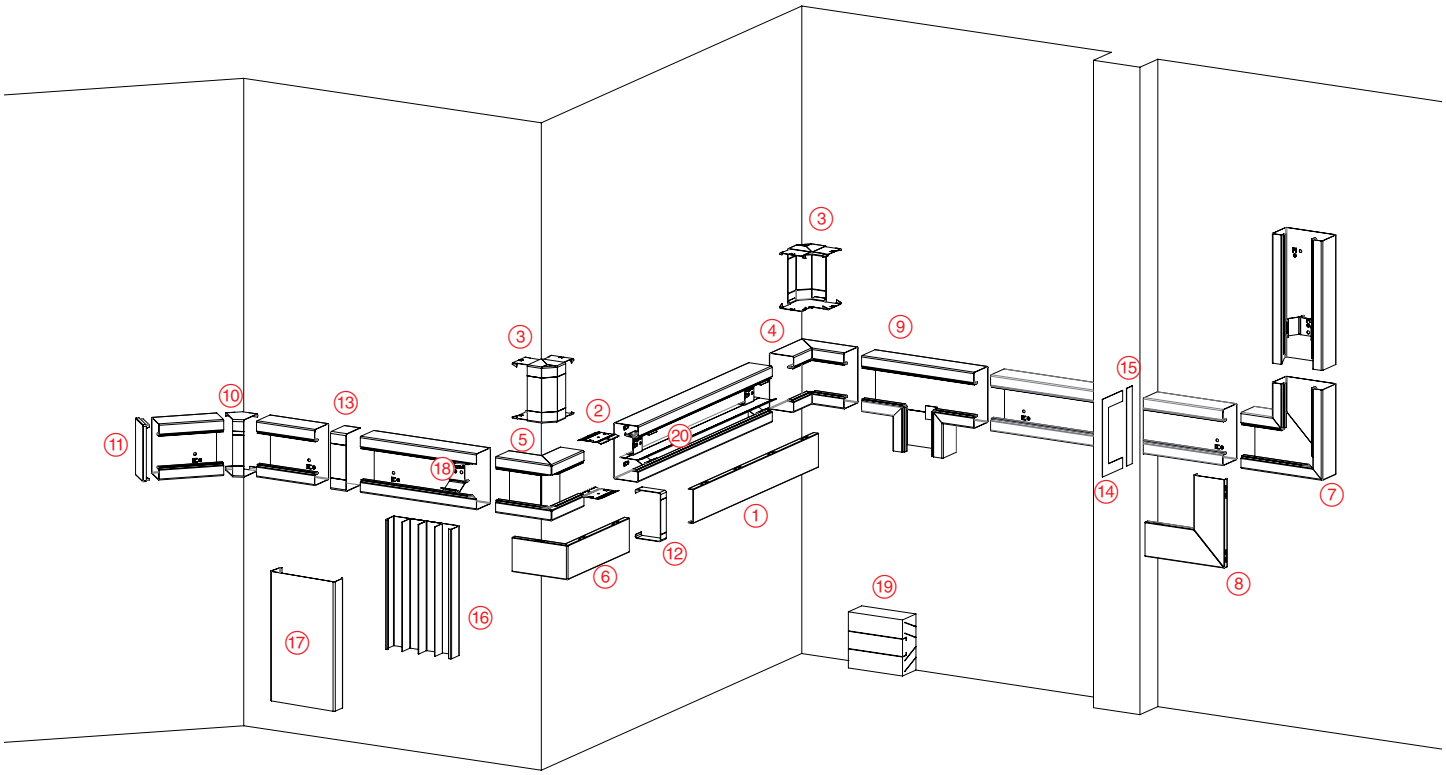
	MP351175	MP351205	MP351275	MP351305	MP351240	MP351335	MP351260
	MP351176	MP351206	MP351276	MP351306	MP351240	MP351336	MP351260
	MP351177	MP351207	MP351277	MP351307	MP351240	-	MP351260

	End cap	Cover strap	Tolerance cover strap	Wall flange plate	Wall flange closing plate	Support flange	Riser trunking body[1] (170 x 38 mm)
							
	MP351043	MP351103	MP351073	MP351483	MP351513	MP351453	MP351409
	MP351045	MP351105	MP351075	MP351485	MP351515	MP351455	MP351409
	MP351046	MP351106	MP351076	MP351486	MP351516	MP351456	MP351409
	MP351046	MP351107	MP351077	MP351486	MP351516	MP351456	MP351409

	Internal lid support[1]	Internal bend lid	End support bracket[1]	Tee support bracket[1]	Acoustic insulation block	Cutting support block	Touch-up paint
							
	IP 40 / IK 07						
	MP351469	MP351250	MP351449	MP351459	MP351389	MP351533	MP351029
	MP351469	MP351250	MP351449	MP351459	MP351389	MP351535	MP351029
	MP351469	MP351250	MP351449	MP351459	MP351399	MP351536	MP351029
	MP351469	MP351250	MP351449	MP351459	MP351399	MP351536	MP351029

steel perimeter trunking system – 110 x 63 mm

for dado applications



Selection charts **p. 4-5**
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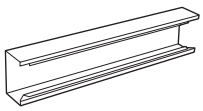
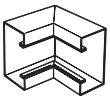
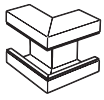
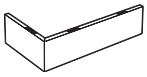
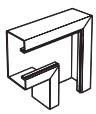
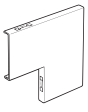
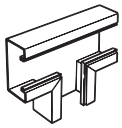
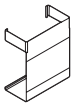
Installation material **p. 19**

Manufactured to BS EN 50085-2-1 : 2006
Manfactured using pre-galvanised steel to BS EN 10346 : 2009 grade DX51D
Powder coated to RAL 9010
Trunking can be configured with 2 or 3 compartments with the option of a base divider giving the potential of 4 compartments
Push-fit covers are designed to give excellent earth continuity without extra components

Pack	Cat. Nos.	Trunking body	
1	MP351233	Length – 3 m	
		Lid ①	
1	MP351230	Length – 1·5 m	
1	MP351220	Length – 100 mm For use as a spacer in between wiring accessories	
		Fittings	
		Couplers[1] ②	
10	MP351523	Supplied in pairs Zinc plated	
		Universal internal/external bend lid 90° +/- 5° ③	
1	MP351173	Complete with integral coupler	
		Internal bend cover straps 135°- 180° ⑩	
1	MP351203	Complete with adjustable coupler	

Pack	Cat. Nos.	Fittings (continued)	
		Internal bend body ④	
1	MP351273	Requires 2 pairs of couplers Cat. No. MP351523 (opposite)	
		External bend body ⑤	
1	MP351303	Requires 2 pairs of couplers Cat. No. MP351523 (opposite)	
1	MP351240	**External bend lid** ⑥	
		Flat bend body ⑦	
1	MP351333	Requires 2 pairs of couplers Cat. No. MP351523 (opposite)	
2	MP351260	**Flat bend lid** ⑧	
		Tee body ⑨	
1	MP351393	Requires 3 pairs of couplers Cat. No. MP351523 (opposite) Crossovers available on request, contact us on +44 (0) 370 608 9020	
		Tee cover strap	
1	MP351563	Rising to 110 mm trunking	

1: Internal components supplied unpainted

steel perimeter trunking system – 110 x 63 mm

for dado applications (continued)


MP351233


MP351333


MP351393

MP351043

MP351103

MP351073

Selection charts **p. 4-5**
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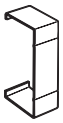
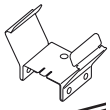
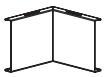
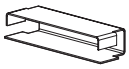
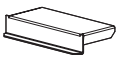
Fittings (continued)

Pack	Cat. Nos.		
1	MP351043	**End cap** ⑪	
10	MP351103	**Cover strap** ⑫ Width – 25 mm	
8	MP351073	**Tolerance cover strap** ⑬ Width – 40 mm	
1	MP351483	**Wall flange plate** ⑭	
1	MP351513	**Wall flange closing plate** ⑮	
1	MP351453	**Support flange**	
1	MP351409	**Riser trunking body 170 x 38 mm**[1] ⑯ Pre-galvanised Length – 2 m	
1	MP351439	**Riser trunking lid** ⑰ Friction fit Length – 1 m	
1	MP351499	**Earthing wire** Length – 300 mm	

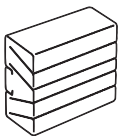
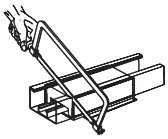
Pack	Cat. Nos.		
20	MP351319	**Universal snapper clip**[1] ⑱ Multifunction clip for fitting of divider, separation of cables (50 mm) and additional support of lid	
10	MP351189	**Divider**[1] ⑳ Requires universal snapper clip Cat. No. MP351319 Length – 1 m	

Regular power and data separation

Additional products IP 40 / IK 07

Pack	Cat. Nos.		
1	MP351469	**Internal lid support**[1] Fits inside lid joints to achieve IP 40	
1	MP351250	**Internal bend lid** To achieve IP 40 on internal bends	
5	MP351449	**End support bracket**[1] Provides additional lid support at end of run Use to achieve IK 07	
5	MP351459	**Tee support bracket**[1] Fits inside lid joints to achieve IP 40 at tee junction	

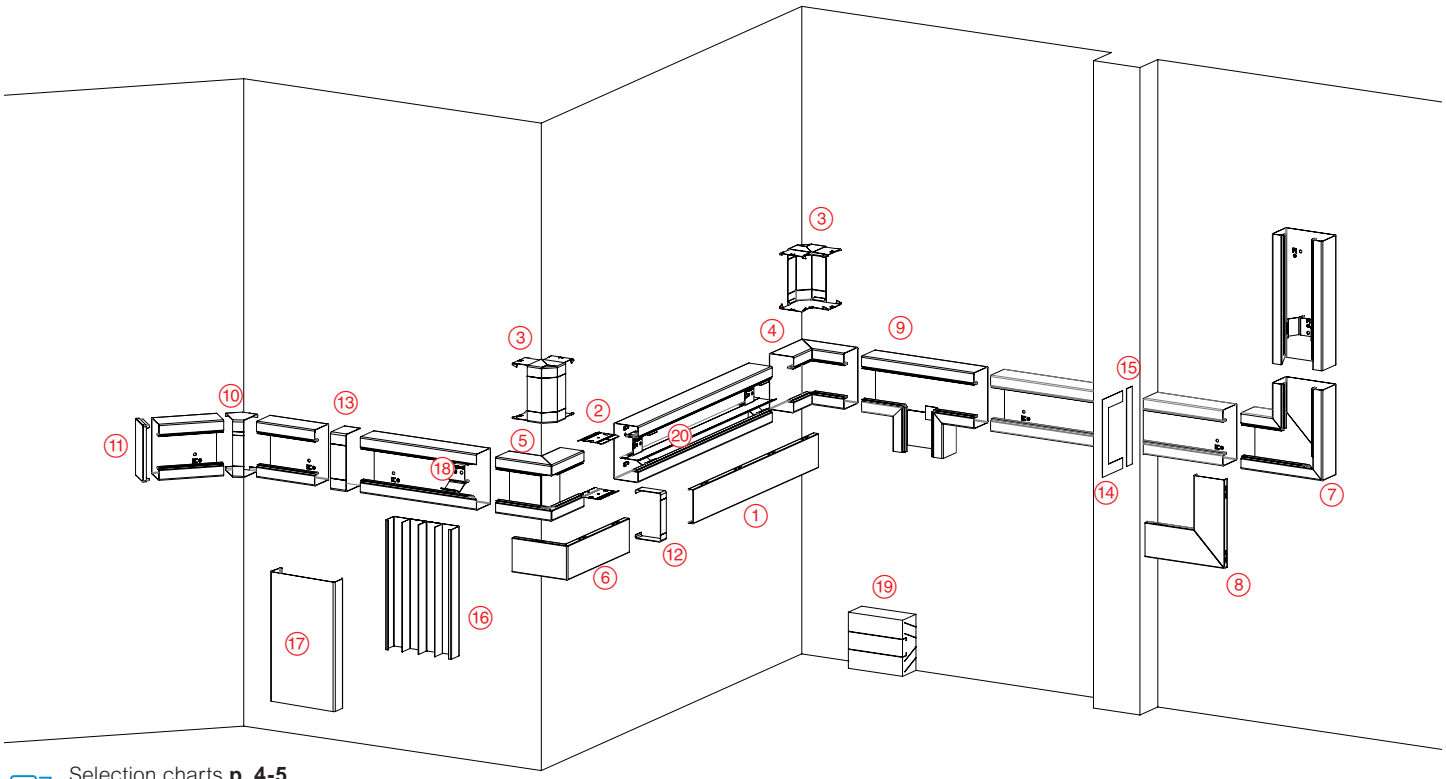
Accessories

Pack	Cat. Nos.		
1	MP351389	**Acoustic insulation block** ⑲ For use when trunking passes through walls to reduce noise travel Self extinguishing plastic Acoustic tested according to NEN 5077/ISO 140/4	
1	MP351533	**Cutting support block** Holds trunking in position and guides saw for a straight cut Steel	
1	MP351029	**Touch-up paint** Contents – 10 ml	

1: Internal components supplied unpainted

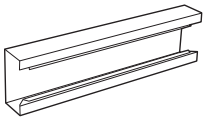
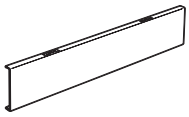
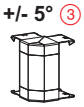
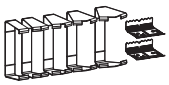
steel perimeter trunking system – 130 x 63 mm

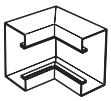
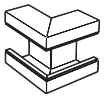
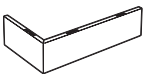
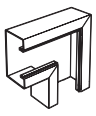
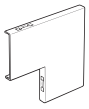
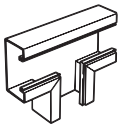
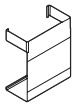
for dado applications



Selection charts **p. 4-5**
Dimensions and technical information **p. 16-19**
Installation material **p. 19**

Manufactured to BS EN 50085-2-1 : 2006
Manfactured using pre-galvanised steel to BS EN 10346 : 2009 grade DX51D
Powder coated to RAL 9010
Trunking can be configured with 2 or 3 compartments with the option of a base divider giving the potential of 4 compartments
Push-fit covers are designed to give excellent earth continuity without extra components

Pack	Cat. Nos.	Trunking body	
1	MP351235	Length – 3 m	
		Lid ①	
1	MP351230	Length – 1·5 m	
1	MP351220	Length – 100 mm For use as a spacer in between wiring accessories	
		Fittings	
		Couplers[1] ②	
10	MP351525	Supplied in pairs Zinc plated	
		Universal internal/external bend lid 90° +/- 5° ③	
1	MP351175	Complete with integral coupler	
		Internal bend cover straps 135°- 180° ⑩	
1	MP351205	Complete with adjustable coupler	

Pack	Cat. Nos.	Fittings (continued)	
		Internal bend body ④	
1	MP351275	Requires 2 pairs of couplers Cat. No. MP351525 (opposite)	
		External bend body ⑤	
1	MP351305	Requires 2 pairs of couplers Cat. No. MP351525 (opposite)	
1	MP351240	**External bend lid** ⑥	
		Flat bend body ⑦	
1	MP351335	Requires 2 pairs of couplers Cat. No. MP351525 (opposite)	
2	MP351260	**Flat bend lid** ⑧	
		Tee body ⑨	
1	MP351395	Requires 3 pairs of couplers Cat. No. MP351525 (opposite) Crossovers available on request, contact us on +44 (0) 370 608 9020	
		Tee cover strap	
1	MP351565	Rising to 130 mm trunking	

1: Internal components supplied unpainted

steel perimeter trunking system – 130 x 63 mm

for dado applications (continued)


MP351235


MP351335


MP351395

MP351045

MP351105

MP351075

Selection charts **p. 4-5**
Dimensions and technical information **p. 16-19**
Installation material **p. 19**

Fittings (continued)

Pack	Cat. Nos.		
1	MP351045	**End cap** ⑪	
10	MP351105	**Cover strap** ⑫ Width – 25 mm	
8	MP351075	**Tolerance cover strap** ⑬ Width – 40 mm	
1	MP351485	**Wall flange plate** ⑭	
1	MP351515	**Wall flange closing plate** ⑮	
1	MP351455	**Support flange**	
1	MP351409	**Riser trunking body 170 x 38 mm**[1] ⑯ Pre-galvanised Length – 2 m	
1	MP351439	**Riser trunking lid** ⑰ Friction fit Length – 1 m	
1	MP351499	**Earthing wire** Length – 300 mm	

1: Internal components supplied unpainted

Regular power and data separation

Pack	Cat. Nos.		
20	MP351319	**Universal snapper clip**[1] ⑱ Multifunction clip for fitting of divider, separation of cables (50 mm) and additional support of lid	
10	MP351189	**Divider**[1] ⑳ Requires universal snapper clip Cat. No. MP351319 Length – 1m	

Additional partition for the base

Pack	Cat. Nos.		
10	MP351279	**Base divider**[1] Fixing bracket required (below) Length – 2 m Height – 22 mm, for type 130	
10	MP351299	**Base divider fixing bracket**[1] Height – 21 mm, for type 130 1 per metre required	

Additional products IP 40 / IK 07

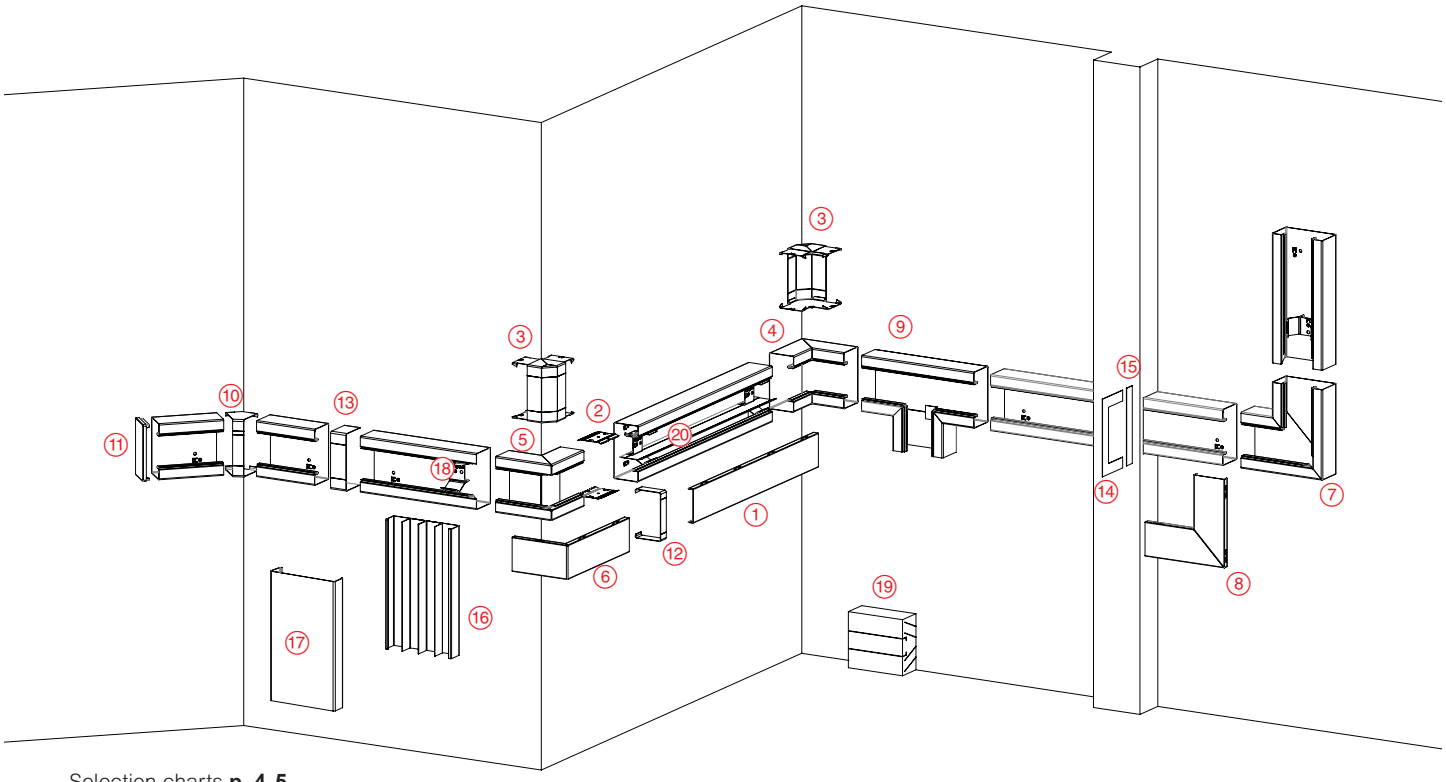
Pack	Cat. Nos.		
1	MP351469	**Internal lid support**[1] Fits inside lid joints to achieve IP 40	
1	MP351250	**Internal bend lid** To achieve IP 40 on internal bends	
5	MP351449	**End support bracket**[1] Provides additional lid support at end of run Use to achieve IK 07	
5	MP351459	**Tee support bracket**[1] Fits inside lid joints to achieve IP 40 at tee junction	

Accessories

Pack	Cat. Nos.		
1	MP351389	**Acoustic insulation block** ⑲ For use when trunking passes through walls to reduce noise travel Self extinguishing plastic Acoustic tested according to NEN 5077/ISO 140/4	
1	MP351535	**Cutting support block** Holds trunking in position and guides saw for a straight cut Steel	
1	MP351029	**Touch-up paint** Contents – 10 ml	

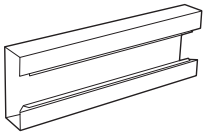
steel perimeter trunking system – 170 x 63 mm

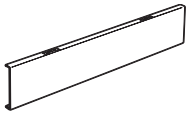
for dado or skirting applications

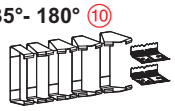


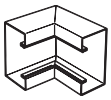
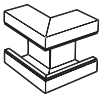
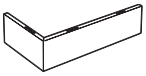
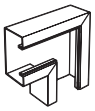
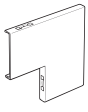
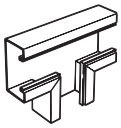
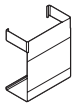
Selection charts **p. 4-5**
Dimensions and technical information **p. 16-19**
Installation material **p. 19**

Manufactured to BS EN 50085-2-1 : 2006
Manfactured using pre-galvanised steel to BS EN 10346 : 2009 grade DX51D
Powder coated to RAL 9010
Trunking can be configured with 2 or 3 compartments with the option of a base divider giving the potential of 4 compartments
Push-fit covers are designed to give excellent earth continuity without extra components

Pack	Cat. Nos.	Trunking body	
1	MP351236	Length – 3 m	

Pack	Cat. Nos.	Lid ①	
1	MP351230	Length – 1·5 m	
1	MP351220	Length – 100 mm For use as a spacer in between wiring accessories	

Pack	Cat. Nos.	Fittings	
		Couplers[1] ②	
10	MP351526	Supplied in pairs Zinc plated	
		Universal internal/external bend lid 90° +/- 5° ③	
1	MP351176	Complete with integral coupler	
		Internal bend cover straps 135°- 180° ⑩	
1	MP351206	Complete with adjustable coupler	

Pack	Cat. Nos.	Fittings (continued)	
		Internal bend body ④	
1	MP351276	Requires 2 pairs of couplers Cat. No. MP351526 (opposite)	
		External bend body ⑤	
1	MP351306	Requires 2 pairs of couplers Cat. No. MP351526 (opposite)	
1	MP351240	**External bend lid** ⑥	
		Flat bend body ⑦	
1	MP351336	Requires 2 pairs of couplers Cat. No. MP351526 (opposite)	
2	MP351260	**Flat bend lid** ⑧	
		Tee body ⑨	
1	MP351396	Requires 3 pairs of couplers Cat. No. MP351526 (opposite) Crossovers available on request, contact us on +44 (0) 370 608 9020	
		Tee cover strap	
1	MP351566	Rising to 170 mm trunking	

1: Internal components supplied unpainted

steel perimeter trunking system – 170 x 63 mm

for dado or skirting applications (continued)


MP351236


MP351526


MP351306

MP351046


MP351106


MP351076

Selection charts **p. 4-5**
Dimensions and technical information **p. 16-19**
Installation material **p. 19**

Fittings (continued)

Pack	Cat. Nos.		
1	MP351046	**End cap** ⑪	
10	MP351106	**Cover strap** ⑫ Width – 25 mm	
8	MP351076	**Tolerance cover strap** ⑬ Width – 40 mm	
1	MP351486	**Wall flange plate** ⑭	
1	MP351516	**Wall flange closing plate** ⑮	
1	MP351456	**Support flange**	
1	MP351409	**Riser trunking body 170 x 38 mm**[1] ⑯ Pre-galvanised Length – 2 m	
1	MP351439	**Riser trunking lid** ⑰ Friction fit Length – 1 m	
1	MP351499	**Earthing wire** Length – 300 mm	

1: Internal components supplied unpainted

Regular power and data separation

Pack	Cat. Nos.		
20	MP351319	**Universal snapper clip**[1] ⑱ Multifunction clip for fitting of divider, separation of cables (50 mm) and additional support of lid	
10	MP351189	**Divider**[1] ⑳ Requires universal snapper clip Cat. No. MP351319 Length – 1 m	

Additional partition for the base

Pack	Cat. Nos.		
10	MP351289	**Base divider**[1] Fixing bracket required (below) Length – 2 m Height – 45 mm, for type 170/170A	
10	MP351309	**Base divider fixing bracket**[1] Height – 44 mm, for type 170 1 per metre required	

Additional products IP 40 / IK 07

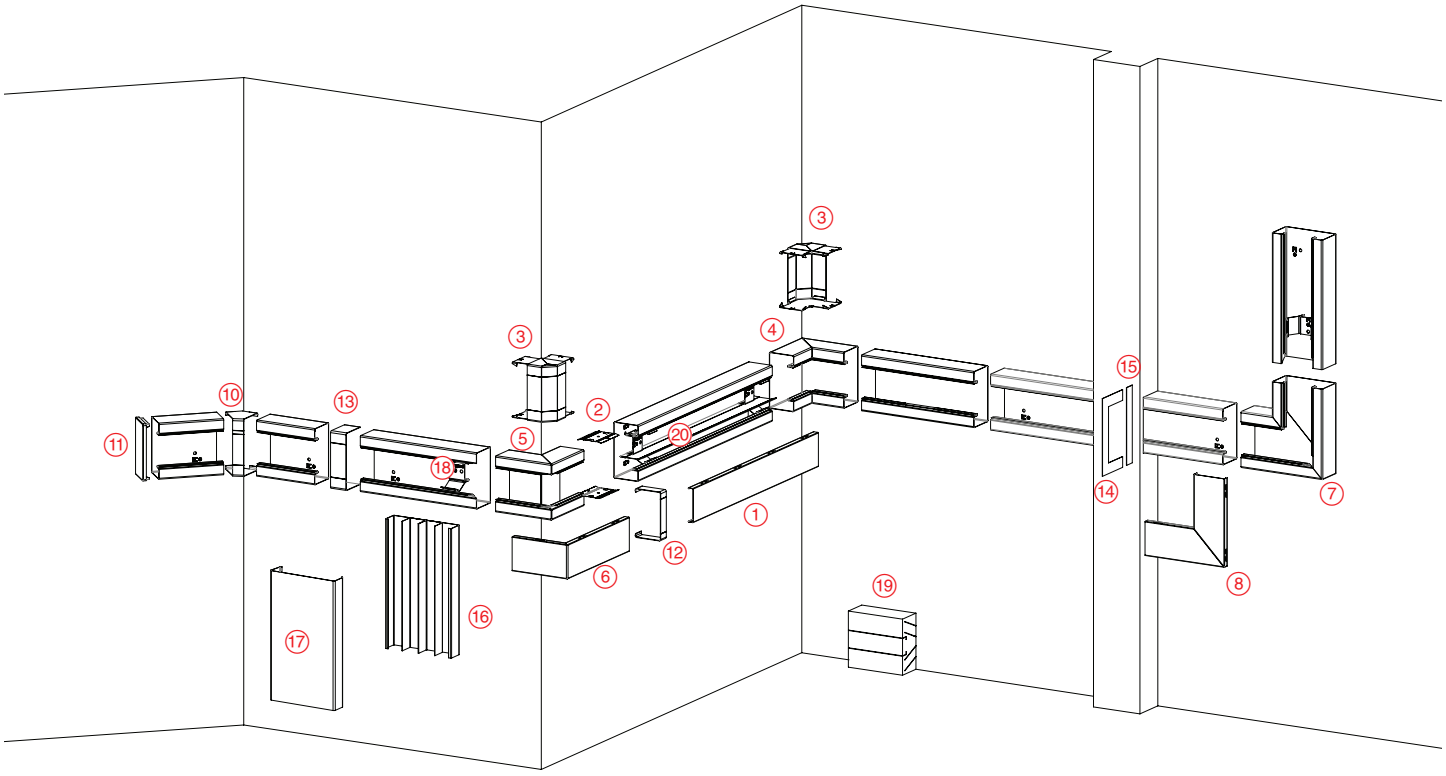
Pack	Cat. Nos.		
1	MP351469	**Internal lid support**[1] Fits inside lid joints to acheive IP 40	
1	MP351250	**Internal bend lid** To achieve IP 40 on internal bends	
5	MP351449	**End support bracket**[1] Provides additional lid support at end of run Use to achieve IK 07	
5	MP351459	**Tee support bracket**[1] Fits inside lid joints to acheive IP 40 at tee junction	

Accessories

Pack	Cat. Nos.		
1	MP351399	**Acoustic insulation block** ⑲ For use when trunking passes through walls to reduce noise travel Self extinguishing plastic Acoustic tested according to NEN 5077/ISO 140/4	
1	MP351536	**Cutting support block** Holds trunking in position and guides saw for a straight cut Steel	
1	MP351029	**Touch-up paint** Contents – 10 ml	

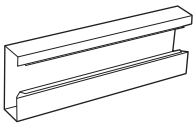
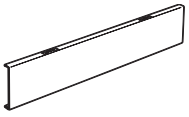
steel perimeter trunking system – 170A x 63 mm (with offset opening)

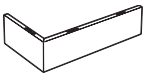
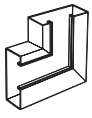
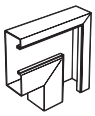
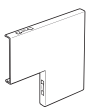
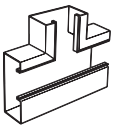
for dado or skirting applications



Selection charts **p. 4-5**
Dimensions and technical information **p. 16-19**
Installation material **p. 19**

Manufactured to BS EN 50085-2-1 : 2006
Manfactured using pre-galvanised steel to BS EN 10346 : 2009 grade DX51D
Powder coated to RAL 9010
Trunking can be configured with 2 or 3 compartments with the option of a base divider giving the potential of 4 compartments
Push-fit covers are designed to give excellent earth continuity without extra components

Pack	Cat. Nos.	Trunking body	
1	MP351237	Length – 3 m With offset opening for easier plug insertion and removal in skirting applications	
		Lid ①	
1	MP351230	Length – 1·5 m	
1	MP351220	Length – 100 mm For use as a spacer in between wiring accessories	
		Fittings	
		Couplers[1] ②	
10	MP351527	Supplied in pairs Zinc plated	
		Universal internal/external bend lid 90° +/- 5° ③	
1	MP351177	Complete with integral coupler	
		Internal bend cover straps 135°- 180° ⑩	
1	MP351207	Complete with adjustable coupler	

Pack	Cat. Nos.	Fittings (continued)	
		Internal bend body ④	
1	MP351277	Requires 2 pairs of couplers Cat. No. MP351527 (opposite)	
		External bend body ⑤	
1	MP351307	Requires 2 pairs of couplers Cat. No. MP351527 (opposite)	
1	MP351240	**External bend lid** ⑥	
		Flat bend body rising ⑦	
1	MP351337	Requires 2 pairs of couplers Cat. No. MP351527 (opposite)	
		Flat bend body decending	
1	MP351367	Requires 2 pairs of couplers Cat. No. MP351527 (opposite)	
		Flat bend lid ⑧	
2	MP351260	Suitable for rising or desending bend body	
		Tee body rising	
1	MP351397	Requires 2 pairs of couplers Cat. No. MP351527 (opposite) Rising to 130 mm trunking Crossovers available on request, contact us on +44 (0) 370 608 9020	

1: Internal components supplied unpainted

steel perimeter trunking system – 170A x 63 mm (with offset opening)

for dado or skirting applications (continued)


MP351237


MP351527

MP351046


MP351107


MP351077

Selection charts **p. 4-5**
Dimensions and technical information **p. 16-19**
Installation material **p. 19**

Fittings (continued)

Pack	Cat. Nos.	
		Tee cover strap
		For use when –
1	MP351567	Rising to 170mm trunking
1	MP351597	Rising to 130mm trunking
1	MP351046	**End cap** ⑪
		Cover strap ⑫
10	MP351107	Width – 25 mm
		Tolerance cover strap ⑬
8	MP351077	Width – 40 mm
1	MP351486	**Wall flange plate** ⑭
1	MP351516	**Wall flange closing plate** ⑮
1	MP351456	**Support flange**
		Riser trunking body 170 x 38 mm[1] ⑯
1	MP351409	Pre-galvanised Length – 2 m
		Riser trunking lid ⑰
1	MP351439	Friction fit Length – 1·0 m
		Earthing wire
1	MP351499	Length – 300 mm

Regular power and data separation

Pack	Cat. Nos.	
		Universal snapper clip[1] ⑱
20	MP351319	Multifunction clip for fitting of divider, separation of cables (50 mm) and additional support of lid
		Divider[1] ⑳
10	MP351189	Requires universal snapper clip Cat. No. MP351319 Length – 1 m

Additional partition for the base

Pack	Cat. Nos.	
		Base divider[1]
10	MP351289	Fixing bracket required (below) Length – 2 m Height – 45 mm, for type 170/170A
		Base divider fixing bracket[1]
10	MP351309	Height = 44 mm, for type 170/170A 1 per metre required

Additional products IP 40 / IK 07

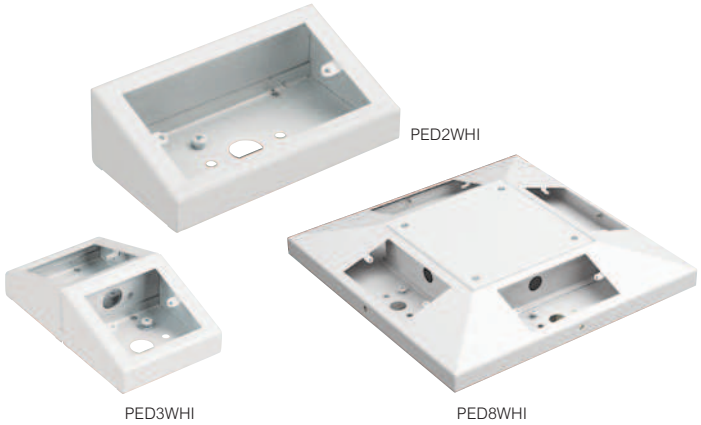
Pack	Cat. Nos.	
		Internal lid support[1]
1	MP351469	Fits inside lid joints to acheive IP 40
		Internal bend lid
1	MP351250	To achieve IP 40 on internal bends
		End support bracket[1]
5	MP351449	Provides additional lid support at end of run Use to achieve IK 07
		Tee support bracket[1]
5	MP351459	Fits inside lid joints to acheive IP 40 at tee junction

Accessories

Pack	Cat. Nos.	
		Acoustic insulation block ⑲
1	MP351399	For use when trunking passes through walls to reduce noise travel Self extinguishing plastic Acoustic tested according to NEN 5077/ISO 140/4
		Cutting support block
1	MP351536	Holds trunking in position and guides saw for a straight cut Steel
		Touch-up paint
1	MP351029	Contents – 10 ml

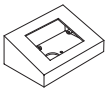
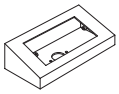
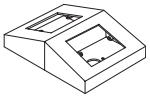
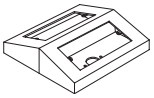
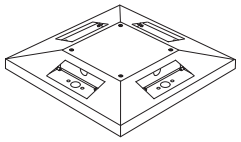
1: Internal components supplied unpainted

pedestal units



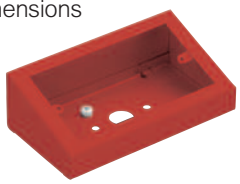
Dimensions and technical information **opposite**

Material : zinc coated mild steel to BS EN 10152
Colour : white epoxy powder coated, RAL 9003. For other colours, please specify RAL number
Zintec finish is available on request (Zintec pedestal units are to be painted on site)

Pack	Cat. Nos.	Pedestal units	
1	PED1WHI	**Single socket**	
1	PED2WHI	**Twin socket**	
1	PED3WHI	**Back-to-back single sockets**	
1	PED4WHI	**Back-to-back twin sockets**	
1	PED8WHI	**Pyramid box**	

Pedestal units are available in other dimensions and finishes to special order

Contact us on +44 (0) 370 608 9020



pedestal units

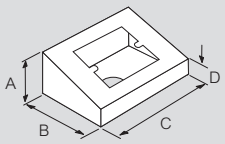
technical information

Pedestal units dimensions

Single socket

Cat. No. PED1WHI

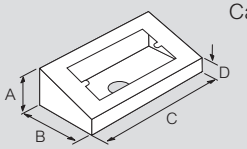
A	54
B	89
C	102
D	24



Twin socket

Cat. No. PED2WHI

A	54
B	89
C	162
D	24

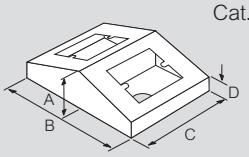


Back-to-back sockets

Single socket

Cat. No. PED3WHI

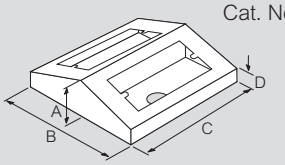
A	54
B	178
C	102
D	24



Twin socket

Cat. No. PED4WHI

A	54
B	178
C	162
D	24

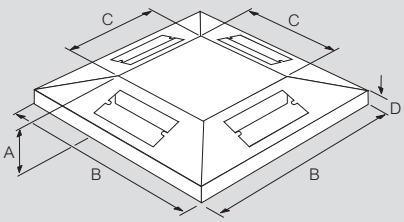


For all pedestal units above, hole diameter in base is 20 mm

Pyramid box

Cat. No. PED8WHI

A	55
B	368
C	184
D	24



All dimensions (mm) are nominal


7300 60


7300 65


6781 38


8330 93


5721 17


5720 78

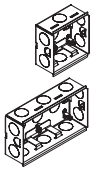

7300 70


8330 65


7300 34

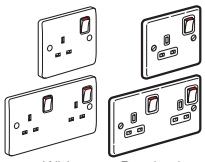
Back boxes

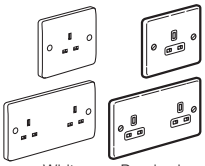
Pack	Cat. Nos.	
		Socket back boxes
		Material : pre-galvanised steel
1	MP820329	1 gang back box
1	MP820339	2 gang back box

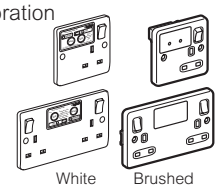


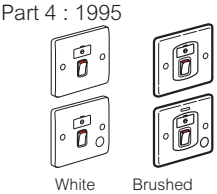
Synergy sockets (monobloc)

Pack	Cat. Nos. White	Cat. Nos. Brushed stainless steel	
			Double pole switched socket outlets 13 A - 250 V
			Conform to BS 1363 - Part 2 : 1995
10 / 1	7300 60	8330 60	1 gang – switched
5 / 1	7300 70	8330 70	2 gang – switched
			Unswitched socket outlets 13 A - 250 V
			Conform to BS 1363 - Part 2 : 1995
10 / 1	7300 65	8330 65	1 gang – unswitched
5 / 1	7300 75	8330 75	2 gang – unswitched
			RCD socket outlets 13 A - 250 V ELR - DP 30 mA - passive
			Conform to BS 7288 : 1990 and BS 1363 - Part 2 : 1995 Maximum operating current 16 A With "Test and reset" button Does not trip in the event of power failure Suitable in applications where automatic restoration of supply is required
1	6781 34	8330 86	1 gang – DP
1	6781 38	8330 98	2 gang – DP
			Fused connection units 13 A - 250 V
			Conform to BS 1363 - Part 4 : 1995
10 / 1	7300 34	8330 34	1 gang – Switched, DP without cord outlet
10 / 1	7300 36	8330 37[1]	1 gang – Switched, DP with cord outlet


White / Brushed stainless steel


White / Brushed stainless steel


White / Brushed stainless steel

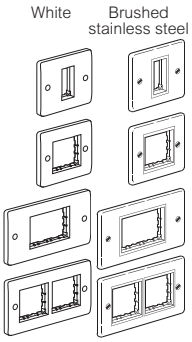

White / Brushed stainless steel

1: With blue 'power on' LED indicator

Carrier plates for Arteor modules

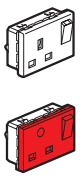
No additional support frame required

Pack	Cat. Nos. White	Cat. Nos. Brushed stainless steel	
10 / 1	7300 91	8330 91	1 gang – 1 module plate
10 / 1	7300 92	8330 92	1 gang – 2 module plate
10 / 1	7300 93	8330 93	2 gang – 3 module plate
10 / 1	7300 94	8330 94	2 gang – 4 module plate


White / Brushed stainless steel

Arteor modules

Pack	Cat. Nos. White	Cat. Nos. Magnesium	
			British standard 13 A socket outlets
			Conform to BS 1363 - Part 2 ASTA license
5	5721 30	5726 30	3 modules – 2P + E switched
	Red		
5	5724 67		3 modules – 2P + E switched dedicated non-standard pin
			International standards socket outlets
			Not suitable for domestic installations in the UK or Ireland
10	5720 21	5725 21	French – 10/16 A 2 modules – 2P + E
10	5721 17	5726 16	American – 15 A - 127 V 2 modules – 2P + E shuttered for child safety
			Double USB sockets – 5 V - 2400 mA
5 / 1	5720 78	5725 78	For fast-charging telephones, smartphones, MP3/MP4 players and tablet PC 2 modules
			HDMI audio and video sockets
1	5722 81	5727 81	For digital high definition audio and video connection of a PC monitor, plasma screen, video projector, graphic paintbox, etc. 2 modules
1	5720 96	5725 96	Preconnected Equipped with a 15 cm cord 1 module
			RJ45 data sockets
			Rapid connection sockets No tool required
10	5723 23	5728 23	CAT 6 – STP - 9 contacts, shielded folded metal. 1 module
10	5723 22	5728 22	CAT 6 – FTP - 9 contacts. 1 module
10	5723 04	5728 04	CAT 5e – FTP - 9 contacts. 1 module
10	5723 03	5728 03	CAT 5e – UTP - 8 contacts. 1 module



For complete range of wiring accessories
see Legrand's website www.legrand.co.uk

Compliance

A steel perimeter trunking system with strength and rigidity manufactured using pre-galvanised steel to BS EN 10346 : 2009 grade DX51D. Manufactured to BS EN 50085-2-1 : 2006 in BS EN ISO9001 : 2008 and BS EN ISO14001 : 2004 approved facilities
Trunking is supplied as standard powder coated with LSF powder to RAL 9010 "Pure White" with a safety return edge
Covers are supplied as push-fit and are designed to give excellent earth continuity without extra components

Classification to BS EN 50085-1 : 2005 and BS EN 50085-2-1 : 2006

Clause 6.2 According to resistance to impact for installation and application :
Impact 2·0J when used in conjunction with IK 07 accessories

Clause 6.3 According to temperatures given in the table below :

	Min.	Max.
1. Storage and transport	-25°	-
2. Installation	-15°	-
3. Application	-	+60°

Clause 6.4 According to resistance to flame propagation :
Non-flame propagating

Clause 6.5 According to electrical continuity characteristic :
CTS with electrical continuity (maximum linear impedance 1·0 milliohms per metre)

Clause 6.6 According to electrical insulating characteristic :
CTS without electrical insulating characteristic

Clause 6.7 According to degree of protection provided by enclosure according to BS EN 0529 : 1991 :
IP 30 – standard range
IP 40 – when used with IP 40 accessories

Clauses 6.9 According to system access cover retention :
CTS access cover which can only be opened with a tool when installation is complete

Clause 6.10 According to electrically protective separation :
CTS without internal protective partition

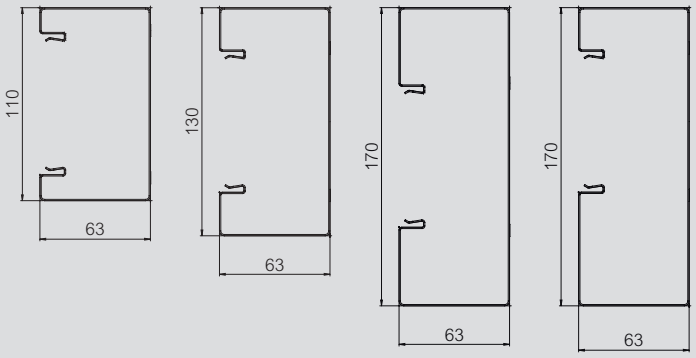
Clause 6.101 According to position when surface mounted :
CTS surface mounted on wall

Clause 6.103 According to the functions provided :
Type 2 CTS (installation)

Sizes available

There are four sizes of body within the range, these are :

110 x 63 mm | 130 x 63 mm | 170 x 63 mm | 170A x 63 mm

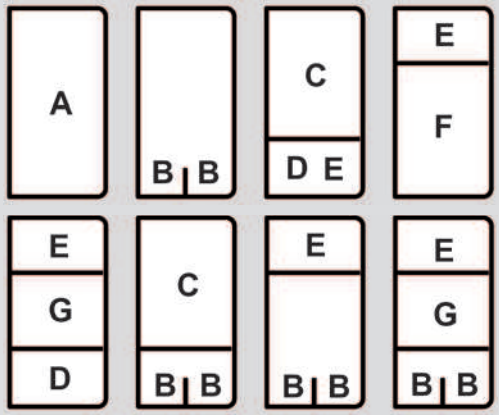


110, 130, 170 and 170A systems are all suitable for dado applications
170 and 170A are also suitable for skirting applications
Ensure clearance between trunking body and floor finish is allowed to fit the cover straps etc

Each of these sizes can be configured with 2 or 3 compartments with the option of a base divider giving a maximum potential of 4 compartmented areas within the trunking

All dimensions (mm) are nominal

Compartment options



Cable capacity

Full capacity mm² per compartment area

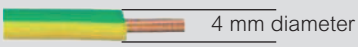
		Back box without	Back box with	Back box without	Back box with	Back box without	Back box with	Back box without	Back box with
Trunking Size		110 x 63		130 x 63		170 x 63		170A x 63	
Compartment	A	6408	3348	7628	4568	10068	7008	10068	7008
	B	–	–	616	616	1260	1260	1260	1260
	C	4607	2087	5217	2697	6437	3917	5217	2697
	D	1801	1261	2411	1871	3631	3091	4851	4311
	E	1801	1261	2411	1871	3631	3091	2411	1961
	F	4607	2087	5217	2697	6437	3917	7657	5047
	G	2806	826	2806	826	2806	826	2806	736

For each size of cable multiply the number to be installed by its own common factor. Add together the results of these calculations for all cable sizes. The resulting sum should be equal to or less than the trunking capacity. It is recommended that each compartment should not be filled over 45% of its full capacity

Common cable factors

If the cable is not shown in the table below then the factor (area) can be calculated by :

Measuring diameter
Dividing diameter by 2 to give the radius
Area = 3·142 x radius x radius
e.g.



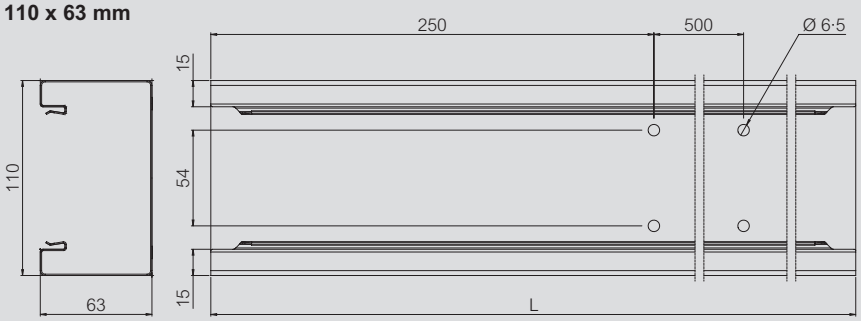
3·142 x 2 x 2 =12·6 mm²

Cable factors : power		
	Conductor size mm²	Factor
Solid	1·5	8·0
Solid	2·5	11·9
Stranded	1·5	8·6
Stranded	2·5	12·6
Stranded	4·0	16·6
Stranded	6·0	21·2

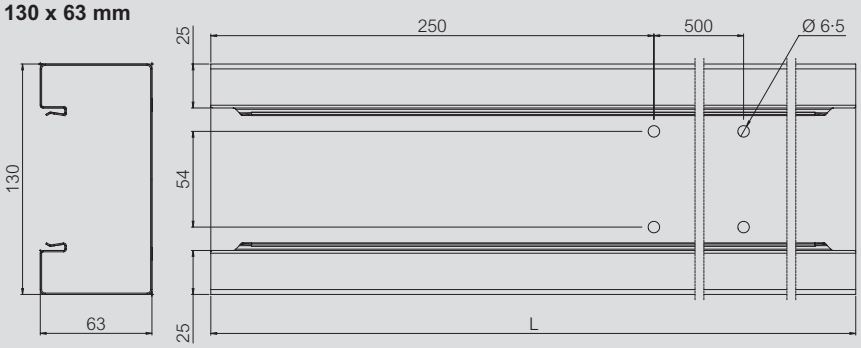
Cable factors : data		
	Ø mm	Factor
5e. UTP	5·5	30·2
5e. STP	6·0	36·0
6 UTP	6·5	42·2
6 STP	7·0	49·0

Dimensions

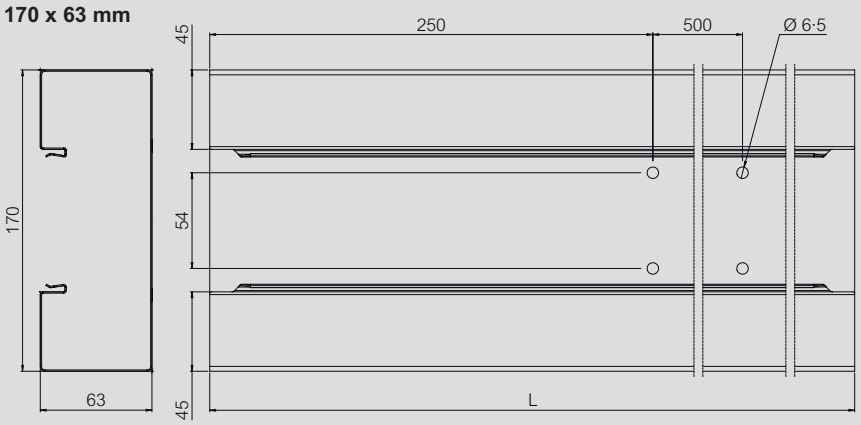
110 x 63 mm



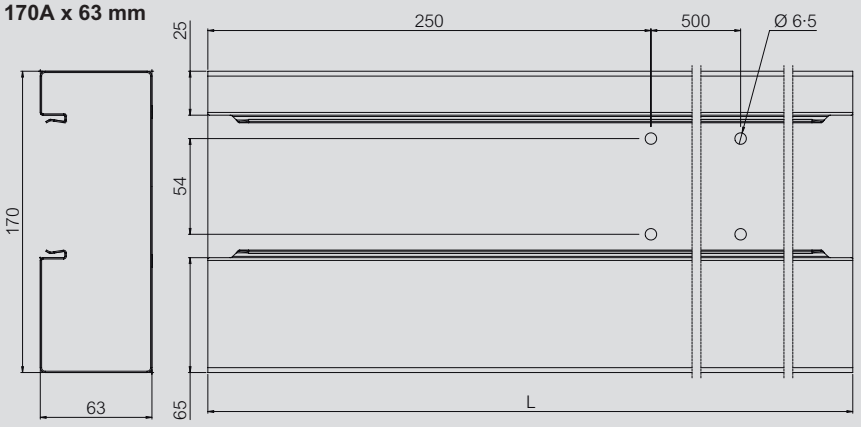
130 x 63 mm



170 x 63 mm



170A x 63 mm



Material thickness : 1 mm

All dimensions (mm) are nominal

Weights

	Product							
Trunking size	110		130		170		170A	
	Cat. Nos.	Weight	Cat. Nos.	Weight	Cat. Nos.	Weight	Cat. Nos.	Weight
Body 3 m	MP351233	5·56	MP351235	6·27	MP351236	7·68	MP351237	7·68
Lid 1·5 m	MP351230	0·98	MP351230	0·98	MP351230	0·98	MP351230	0·98
Accessory spacer lid 100 mm	MP351220	0·07	MP351220	0·07	MP351220	0·07	MP351220	0·07
Coupler[1]	MP351523	0·08	MP351525	0·09	MP351526	0·05	MP351527	0·11
Universal internal/external bend lid	MP351173	0·23	MP351175	0·24	MP351176	0·27	MP351177	0·27
Internal bend cover straps	MP351203	0·37	MP351205	0·37	MP351206	0·38	MP351207	0·38
Internal bend body	MP351273	0·47	MP351275	0·52	MP351276	0·62	MP351277	0·62
External bend body	MP351303	0·53	MP351305	0·59	MP351306	0·71	MP351307	0·71
External bend lid	MP351240	0·26	MP351240	0·26	MP351240	0·26	MP351240	0·26
Flat bend body	MP351333	0·44	MP351335	0·65	MP351336	1·09	–	–
Flat bend lid	MP351260	0·21	MP351260	0·21	MP351260	0·21	MP351260	0·21
Flat bend body rising	–	–	–	–	–	–	MP351337	1·08
Flat bend body descending	–	–	–	–	–	–	MP351367	1·10
Tee body	MP351393	0·62	MP351395	0·74	MP351396	0·99	–	–
Tee body rising	–	–	–	–	–	–	MP351397	0·96
Tee cover strap	MP351563	0·15	MP351565	0·20	MP351566	0·30	MP351567[2] MP351597[3]	0·29
End cap	MP351043	0·08	MP351045	0·08	MP351046	0·10	MP351046	0·10
Cover strap	MP351103	0·05	MP351105	0·06	MP351106	0·07	MP351107	0·07
Tolerance cover strap	MP351073	0·09	MP351075	0·10	MP351076	0·11	MP351077	0·11
Wall flange plate	MP351483	0·05	MP351485	0·05	MP351486	0·06	MP351486	0·06
Wall flange closing plate	MP351513	0·03	MP351515	0·03	MP351516	0·04	MP351516	0·04
Support flange	MP351453	0·13	MP351455	0·14	MP351456	0·15	MP351456	0·15
Riser trunking body[1] – 2 m	MP351409	5·60	MP351409	5·60	MP351409	5·60	MP351409	5·60
Riser trunking lid – 1 m	MP351439	1·47	MP351439	1·47	MP351439	1·47	MP351439	1·47
Earthing wire	MP351499	0·01	MP351499	0·01	MP351499	0·01	MP351499	0·01
Universal snapper clip[1]	MP351319	0·06	MP351319	0·06	MP351319	0·06	MP351319	0·06
Divider[1] – 1 m	MP351189	0·36	MP351189	0·36	MP351189	0·36	MP351189	0·36
Base divider[1] – 2 m	–	–	MP351279	0·47	MP351289	0·66	MP351289	0·66
Base divider fixing bracket[1]	–	–	MP351299	0·02	MP351309	0·02	MP351309	0·02
Internal lid support[1]	MP351469	0·03	MP351469	0·03	MP351469	0·03	MP351469	0·03
Internal bend lid	MP351250	0·12	MP351250	0·12	MP351250	0·12	MP351250	0·12
End support bracket[1]	MP351449	0·03	MP351449	0·03	MP351449	0·03	MP351449	0·03
Tee support bracket[1]	MP351459	0·03	MP351459	0·03	MP351459	0·03	MP351459	0·03
Acoustic insulation block	MP351389	0·05	MP351389	0·05	MP351399	0·05	MP351399	0·05
Cutting support block	MP351533	1·51	MP351535	1·64	MP351536	1·89	MP351536	1·89
Touch-up paint	MP351029	0·04	MP351029	0·04	MP351029	0·04	MP351029	0·04
1 gang back box	MP820329	0·85	MP820329	0·85	MP820329	0·85	MP820329	0·85
2 gang back box	MP820339	0·15	MP820339	0·15	MP820339	0·15	MP820339	0·15

1 : Internal components supplied unpainted
2 : Rising to 170 mm wide trunking 3 : Rising to 130 mm wide trunking

Supporting cable trunking systems

The connector between all types of cable trunking lengths is to provide electrical and mechanical connection between the lengths ; it does not provide a load bearing connection between lengths. Consequently each length must be fully secured to the wall so that there is no significant bending force applied to the connector

Electromagnetic compatibility (EMC)

Cable trunking and duct systems are considered passive under normal conditions in respect of electromagnetic influences. The installation of current carrying cables may cause emissions and these cables may also be influenced by electromagnetic signals from elsewhere, but the degree of influence will depend on the nature of the installation and the apparatus connected to the system. Specific information relating to the details of cable separation required according to the type of signal, and further information on the subject of EMC, is provided in the relevant Standards and Regulations. However, as a basic principle, if power and data cables are run in separate compartments of a metal trunking system, then the metal segregation will significantly reduce the possibility of one circuit having an undesirable effect upon another

Installation

110, 130, 170 and 170A systems are all suitable for dado applications
170 and 170A systems are also suitable for skirting applications
Ensure clearance between trunking body and floor finish is allowed to fit the cover straps etc
The system is designed to fit together without the use of screws on the body, lid or component parts, with the exception of the wiring accessory back box which has a screw to secure a sliding plate into the body

Trunking body

The trunking body has fixing points every 500 mm and 250 mm from each end
It is recommended to secure at least every metre and near to joints / ends
Use washers and dome head screws or plastic caps to avoid damage to cables
Do not over tighten
Fit trunking body to wall ensuring it is level with preceding length and that joints are closely butted together
Once secured, install earthing coupler to trunking joint by simply pushing into place ensuring that the coupler is evenly distributed over both parts
For best results when cutting, use a fine tooth circular saw
Cut edges must be de-burred to avoid cable damage
The trunking body is supplied with a protective film to avoid marks and scratches during installation ; this can be removed when lids are fitted

Fittings

Fittings (e.g. bends, tees) are installed in the same manner as the trunking body

Dividers

The trunking can be divided into two or three compartments
Dividers are supplied in 1 m lengths and have rolled edges for safety
The multifunction snapper clips into the base and provides two locations to fit the dividers
The snapper is earthed to the trunking body and dividers automatically when installed
One snapper is required per metre
Additional snapper clips may be required at the end of the run and closer to back boxes. The snapper also provides additional support to the lid
A base divider is also available to further separate the base compartment if required

Back boxes

The 35 mm deep steel back boxes are slotted into place and secured by sliding the two fixing brackets under the return and tightening the screws
Boxes are designed to have some lateral movement for final adjustments
Marks in the rear of the trunking body every 100 mm allow for easy positioning
20 mm knockouts are provided on all sides and the base. Once removed, 20 mm grommets should be fitted to protect the cable from the cut edge before feeding cable into box

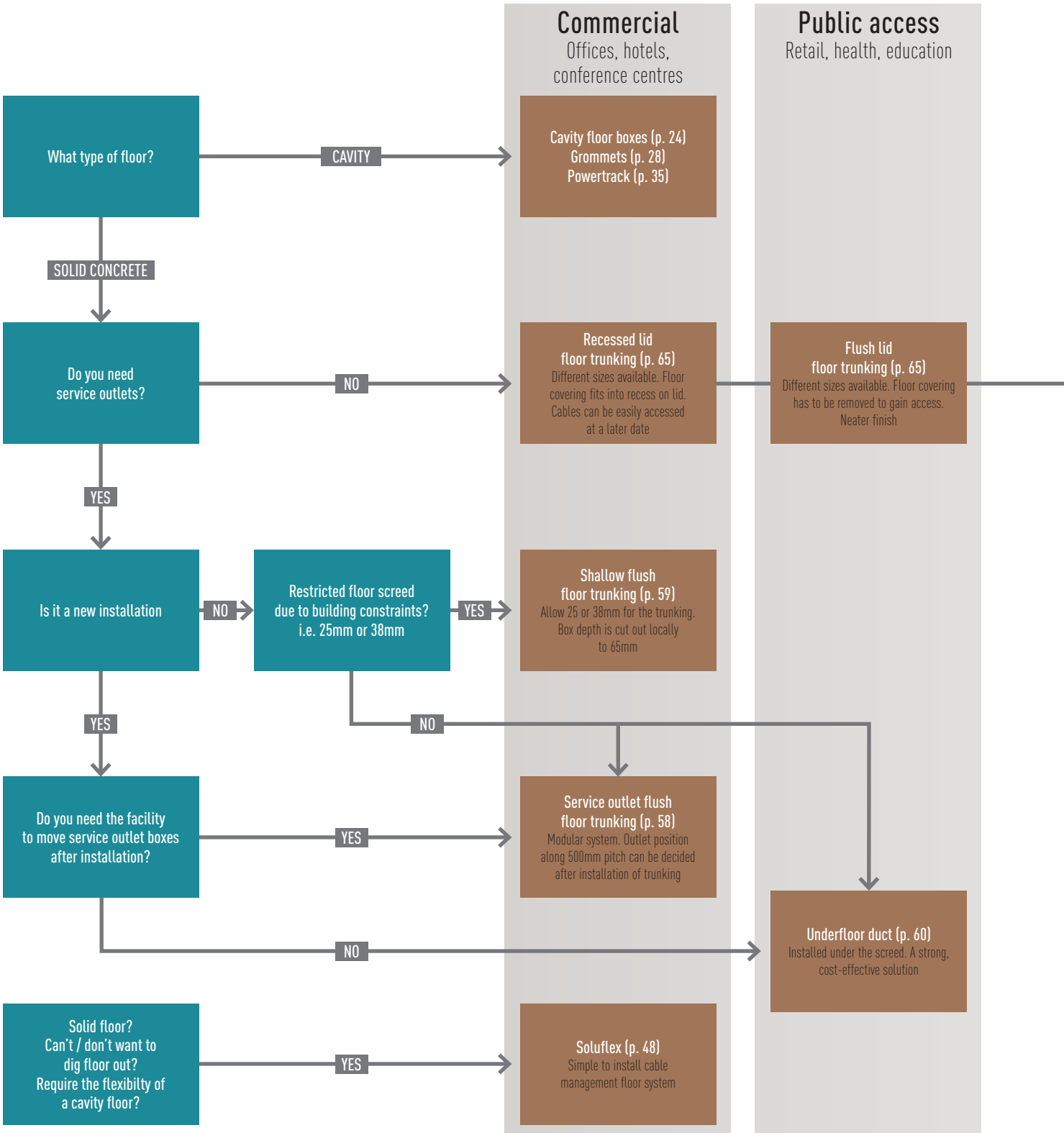
Lids

Once the wiring installation is complete, lids are simply clicked into place
Earthing cams are located every 150 mm
Minimum length of lid should be 50 mm and include at least one earthing cam
To remove, the lids should be carefully lifted from one end
This can be from any joint, fitting or wiring accessory location
If the installation comprises a single length between two walls, a coupler joint is required in the centre to aid lid removal
25 mm wide cover straps are available to provide a neat finish at lid and body joints
These clip into place over the completed trunking run after the lids have been fitted
A wider (40 mm) tolerance cover strap is also available

Earthing

The Legrand steel perimeter trunking system is designed with parts that provide earth continuity when installed, however, the connection to earth is the responsibility of the installer. Legrand provides the means to achieve a correct and safe installation. It is the responsibility of the installer to determine the number and position of earth connections

3 simple steps... to choose the right solution



Whatever the scenario, Legrand has the ideal solution to provide power and data to the workstation.

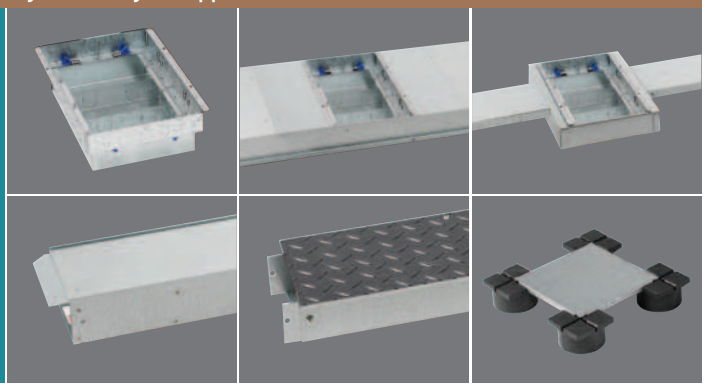
The flowchart below guides you to the most suitable system for your project. If traditional floor systems are struggling to meet your requirements, Soluflex provides the simple answer to a myriad of challenges.

Industrial

Warehousing,
heavy duty infrastructure

Choose the correct system for your application

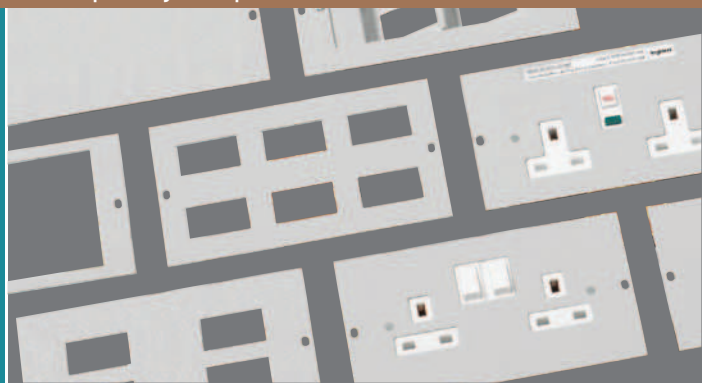
1



Chequer plate
floor trunking (p. 66)
Different sizes available, suitable for heavy industrial type areas

Select the power and data plates you require

2



Choose the most suitable lid and trim for the floor finish and surroundings

3

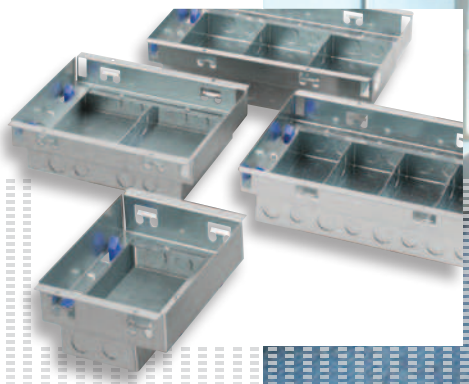
CAVITY FLOOR BOXES

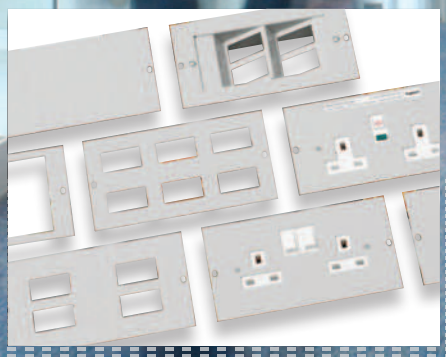
building on success

Legrand's latest range of cavity floor boxes offer a modular product that is simple to order. Components are sold separately enabling any configuration to be accommodated on site.

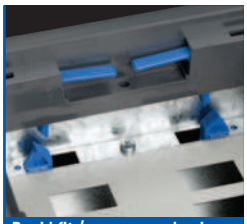
Available in 1, 2, 3 and 4 compartments and three depths - the range has been developed with a host of special features:

- Rapid fit and remove mechanism
- Reversible lid
- Push-fit detail to secure base in the floor
- 1 compartment floor box is designed to easily accommodate moulded plugs





Reversible lid



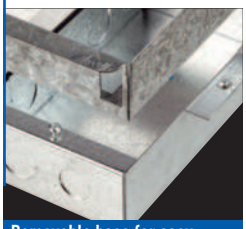
Rapid fit /remove mechanism adjusts for flooring thickness

2 cable outlets with sponge foam to prevent ingress

Durabable ABS trim and lid surround

Full range of power and data module plates

20mm and 25mm knockouts



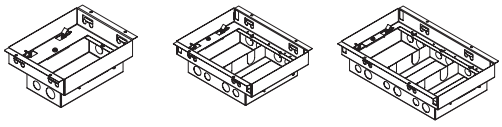
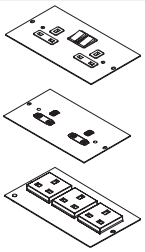
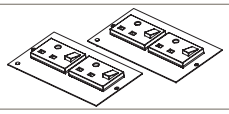
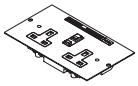
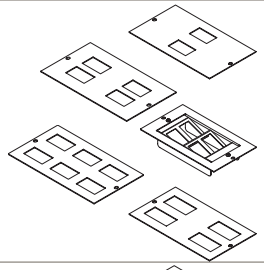
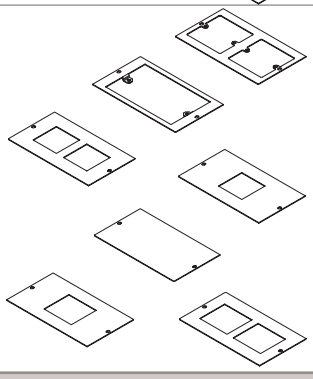
Removable base for easy wiring

Inter-compartment knockouts

Rapid fit push lock secures base in floor aperture

cavity floor service outlet boxes

selection chart

No. of compartments	
Floor box base	
Depth 	Cavity floor box base – 75 mm deep
	Cavity floor box base – 85 mm deep
	Cavity floor box base – 110 mm deep
Outlet plates	
13 A standard 	13 A twin switched socket plate
	13 A twin unswitched socket plate
	13 A twin switched clean earth socket plate
	13 A triple unswitched socket plate
	13 A triple unswitched clean earth socket plate
13 A non-standard 	13 A twin NS switched socket plate
	13 A twin NS switched clean earth socket plate
RCD 30 mA passive 	2 gang RCD socket plate
	2 gang RCD socket plate – clean earth
Data 	37 x 22 mm – 2 cut-out plate
	37 x 22 mm – 4 cut-out plate
	37 x 22 mm – 4 cut-out wave plate
	37 x 22 mm – 6 cut-out plate
	47·5 x 23·5 mm – 4 cut-out plate
General 	2 x standard single outlet 60·3 mm
	Standard 2 gang outlet plate 120·6 mm
	51 x 51 mm – 1 cut-out plate
	51 x 51 mm – 2 cut-out plate
	Blank plate
	58 x 53·5 mm – 1 cut-out plate to accept Arteor mounting frame[1]
	58 x 53·5 mm – 2 cut-out plate to accept 2 x Arteor mounting frames[1]
Lids and trims	
	ABS with carpet trim – 6 mm recess
	Combination with edge trim – 6 mm recess
	Metal, powder coated with carpet trim – 8 mm recess (RAL 7024)
	Metal, powder coated with edge trim – 8 mm recess (RAL 7024)
	Stainless steel with carpet trim – 8 mm recess (Satin)
	Stainless steel with edge trim – 8 mm recess (Satin)
	Brass with carpet trim – 8 mm recess (Polished)
	Brass with edge trim – 8 mm recess (Polished)

1 : For Arteor mounting frames, refer to the latest Wiring Devices catalogue

	1 compartment	2 compartment	3 compartment	4 compartment
	–	CAV275	CAV375	CAV475
	CAV185	CAV285	CAV385	CAV485
	–	CAV2110	CAV3110	CAV4110
	SP3201	SP3201	SP3201	SP4201
	SP3200	SP3200	SP3200	SP4200
	SP3211	SP3211	SP3211	SP4211
	SP3300	SP3300	SP3300	SP4300
	SP3310	SP3310	SP3310	SP4310
	SP3221	SP3221	SP3221	SP4221
	SP3231	SP3231	SP3231	SP4231
	SP3202	SP3202	SP3202	SP4202
	SP3212	SP3212	SP3212	SP4212
	SP3203	SP3203	SP3203	SP4203
	SP3403	SP3403	SP3403	SP4403
	SP3404	SP3404	SP3404	SP4404
	SP3603	SP3603	SP3603	SP4603
	SP3408	SP3408	SP3408	SP4408
	SP3205	SP3205	SP3205	–
	SP3105	SP3105	SP3105	–
	SP3106	SP3106	SP3106	SP4106
	SP3206	SP3206	SP3206	SP4206
	SP3000	SP3000	SP3000	SP4000
	SP3107	SP3107	SP3107	SP4107
	SP3207	SP3207	SP3207	SP4207
	–	FBL2ABS	FBL3ABS	FBL3ABS
	–	FBL2COM	FBL3COM	FBL3COM
	FBL1MCT	FBL2MCT	FBL3MCT	FBL3MCT
	FBL1MET	FBL2MET	FBL3MET	FBL3MET
	FBL1SCT	FBL2SCT	FBL3SCT	FBL3SCT
	FBL1SET	FBL2SET	FBL3SET	FBL3SET
	FBL1BCT	FBL2BCT	FBL3BCT	FBL3BCT
	FBL1BET	FBL2BET	FBL3BET	FBL3BET

cavity floor service outlet boxes

Cavity floor outlet boxes selection chart **p. 24-25**
Dimensions and technical information **p. 29**
Installation details **p. 30**

Pack	Cat. Nos.	Cavity floor boxes
		Contractor floor box
		Supplied empty Ready to accept standard BS two gang wiring accessories Additional mounting plates not required Recommended hole cut-out size : 302-304 mm x 219-221 mm 7 mm lid recess Standard depth : 85 mm 20/25 mm knockouts to each compartment Manufactured from pre-galvanised steel to BS EN 10142 and 3, and polycarbonate/ABS
1	CB3	3 compartment contractor floor box
		Floor box bases
		Supplied empty Lids and trims are detailed on p. 27 Outlet plates are detailed on p. 27
		1 compartment floor box base
		Recommended hole cut-out size : 165-167 mm x 203-205 mm
1	CAV185	85 mm deep
		2 compartment floor box base
		Recommended hole cut-out size : 263-265 mm x 203-205 mm
1	CAV275	75 mm deep
1	CAV285	85 mm deep
1	CAV2110[1]	110 mm deep

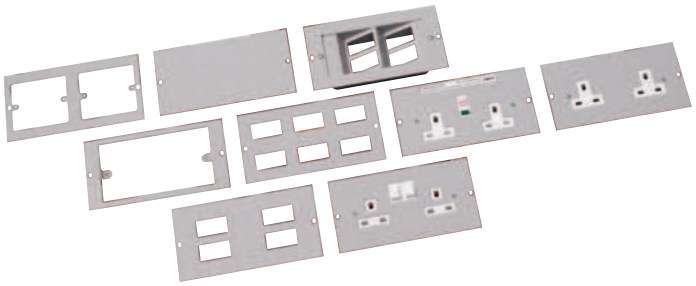
1 : 110 mm deep base boxes not suitable for edge trim lids

Pack	Cat. Nos.	Cavity floor boxes (continued)
		3 compartment floor box base
		Recommended hole cut-out size : 340-342 mm x 203-205 mm
1	CAV375	75 mm deep
1	CAV385	85 mm deep
1	CAV3110[1]	110 mm deep
		4 compartment floor box base
		Recommended hole cut-out size : 340-342 mm x 203-205 mm
1	CAV475	75 mm deep
1	CAV485	85 mm deep
1	CAV4110[1]	110 mm deep
		Slab floor box
1	SLAB1	1 compartment
1	SLAB2	2 compartment
1	SLAB3	3 compartment
1	SLAB4	4 compartment

Cavity floor boxes and slab boxes are available pre-wired to tap-offs **p. 38-39**

outlet plates for floor boxes

power and data



Cavity floor outlet boxes selection chart **p. 24-25**
Dimensions and technical information **p. 29**
Installation details **p. 30**

Plates to fit 1, 2 and 3 compartment boxes are all 100 mm wide
Plates to fit 4 compartment boxes are 75 mm wide
Non-standard sockets have a round earth pin
Due to overall depth, RCD sockets and wave type data plates will NOT fit in the flush floor and shallow flush floor ranges (Cat. Nos. FFO/AFS)
When using with underfloor duct systems (Cat. No. AFU) the outlet box must be raised by 8 mm from the lowest point to allow for wiring

Power and data plates

Pack	Cat. Nos. 1, 2, 3 comp. 100 mm wide	Cat. Nos. 4 comp. 75 mm wide	
			13 A standard socket plates
1	SP3201	SP4201	Twin switched
1	SP3200	SP4200	Twin unswitched
1	SP3211	SP4211	Twin switched – clean earth
1	SP3300	SP4300	Triple unswitched
1	SP3310	SP4310	Triple unswitched – clean earth
			13 A non-standard socket plates
1	SP3221	SP4221	Twin NS switched
1	SP3231	SP4231	Twin NS switched – clean earth
			RCD socket plates
			Double pole 30 mA passive will not trip in event of power failure. Eliminating need to manually reset all units after power failure
1	SP3202	SP4202	2 gang
1	SP3212	SP4212	2 gang – clean earth
			Data plates
1	SP3203	SP4203	37 x 22 mm – 2 cut-outs
1	SP3403	SP4403	37 x 22 mm – 4 cut-outs
1	SP3404	SP4404	37 x 22 mm – 4 cut-outs (wave plate)
1	SP3603	SP4603	37 x 22 mm – 6 cut-outs
1	SP3408	SP4408	47·5 x 23·5 mm – 4 cut-outs
			General
1	SP3205	-	2 x standard single outlet 60·3 mm
1	SP3105	-	Standard 2 gang outlet plate 120·6 mm
1	SP3106	SP4106	51 x 51 mm – 1 cut-out plate
1	SP3206	SP4206	51 x 51 mm – 2 cut-out plate
1	SP3000	SP4000	Blank plate
1	SP3107	SP4107	58 x 53·5 mm – 1 cut-out plate to accept Arteor mounting frame (Cat. No. 576016)(1)
1	SP3207	SP4207	58 x 53·5 mm – 2 cut-outs plate to accept 2 x Arteor mounting frames (Cat. No. 576016)[1]
			Fasteners
50	SPSCREW		M3·5 x 6 spare socket plate screws

1: For Arteor mounting frames, refer to the latest Wiring Devices catalogue

lids and trims for floor boxes

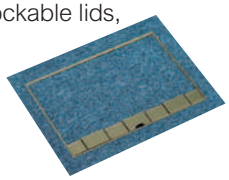
Cavity floor outlet boxes selection chart **p. 24-25**
Dimensions and technical information **p. 29**
Installation details **p. 30**

Moulded lids and trims are manufactured from durable ABS and feature a quick fit / release ratchet system
ABS lid and trim versions are supplied with 6 mm carpet recess
Metal lid and trim versions are supplied with 8 mm recess
Stainless steel is satin finish as standard
Brass is polished finish as standard

Floor box lids and trims

Pack	Cat. Nos. 1 comp.	Cat. Nos. 2 comp.	
			1 and 2 compartment
			Carpet trim
1	–	FBL2ABS	ABS
1	FBL1MCT	FBL2MCT	Metal – grey (RAL 7024)
1	FBL1SCT	FBL2SCT	Stainless steel (Satin)
1	FBL1BCT	FBL2BCT	Brass (Polished)
			Edge trim
1	–	FBL2COM	ABS lid/metal trim (ABS/grey)
1	FBL1MET	FBL2MET	Metal – grey (RAL 7024)
1	FBL1SET	FBL2SET	Stainless steel (Satin)
1	FBL1BET	FBL2BET	Brass (Polished)
			3 and 4 compartment
			Carpet trim
1	FBL3ABS		ABS
1	FBL3MCT		Metal – grey (RAL 7024)
1	FBL3SCT		Stainless steel (Satin)
1	FBL3BCT		Brass (Polished)
			Edge trim
1	FBL3COM		ABS lid/metal trim (ABS/grey)
1	FBL3MET		Metal – grey (RAL 7024)
1	FBL3SET		Stainless steel (Satin)
1	FBL3BET		Brass (Polished)

Metal lids and trims can be powder coated to any RAL reference. Other options, such as lockable lids, are available to special order
Contact us on +44 (0) 370 608 9020



cavity floor grommets


SG6


PG6RCD


PG6


089307


AM1 C


LSG2

Dimensions and technical information **p. 31**

150 mm plastic grommets

Pack	Cat. Nos.	
		Hole size 152 mm Carpet recess optional on power versions Secured by quarter-turn fasteners
1	SG6	**Access grommet** Allows power, data and flexible conduit up to 32 mm to pass safely through raised access floor Maximum number of conduit entries : 9 x 20 mm Ø 5 x 25 mm Ø 3 x 32 mm Ø
1	PG6	**13 A power grommet** Supplied complete with 13 A unswitched socket
1	PG6RCD	**RCD power grommet** Supplied complete with 13 A RCD socket
1	PG6PD	**13 A power/data grommet** Supplied complete with 13 A socket and 1 x 37 x 22 mm cut-out
1	PG6D	**Data grommet** Supplied complete with data plate 2 x 37 x 22 mm cut-out

125 mm aluminium grommets

Pack	Cat. Nos.	
		Hole size 127 mm Body – cast aluminium Lid – injection moulded plastic Nylon 66 with neoprene cable gasket Secured by quarter-turn fasteners Floor depth 25 to 55 mm Access grommet depth 60 mm (95 mm when back box included)
1	089307	**Access grommet** Allows power, data and flexible conduit up to 25 mm to pass safely through raised access floor
1	AM1B	**13 A power grommet – unswitched** Supplied complete with 13 A unswitched socket
1	AM1C	**13 A power grommet – switched** Supplied complete with 13 A switched socket

250 mm grommet

Pack	Cat. Nos.	
		Hole size 250 mm Manufactured from polycarbonate/ABS Colour : grey to BS 4800 18B25 Secured by quarter-turn fasteners Floor depth 15 to 35 mm 7 mm lid recess Depth 55 mm
1	LSG2	**Access grommet** Allows power, data and flexible conduit up to 32 mm to pass safely through raised access floor

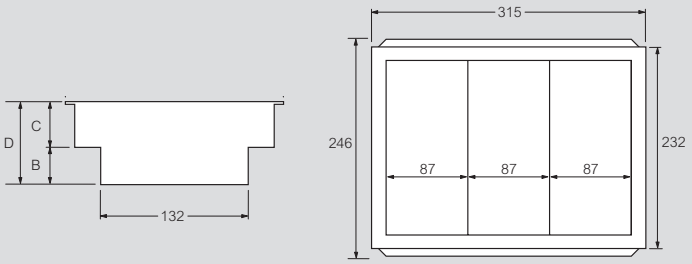
All power grommets are available pre-wired
Contact us on +44 (0) 370 608 9020

cavity floor service outlet boxes

technical information

Cavity floor service outlet boxes

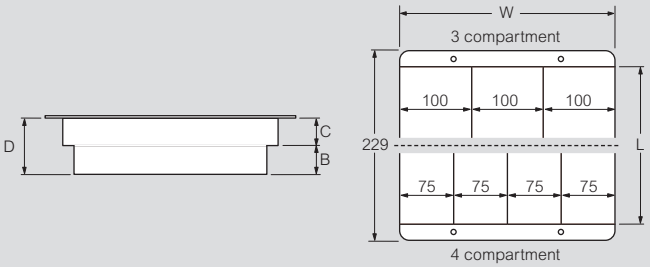
Contractor floor box (Cat. No. CB3)
Cut-out 302-304 mm x 219-221 mm



Floor box bases
Cat. No. CB3

Cat. No.	D	B	C	Cutout W	Cutout L
CB3	81	35	46	303	220

Floor box bases
Cat. Nos. CAV1..., CAV2..., CAV3... and CAV4...



Cat. Nos.	D	B	C	Cutout W	Cutout L	Plate Size
CAV185	85	45	40	165	203	100
CAV275	75	35	40	263	203	100
CAV285	85	45	40	263	203	100
CAV2110	110	45	65	263	203	100
CAV375	75	35	40	340	203	100
CAV385	85	45	40	340	203	100
CAV3110	110	45	65	340	203	100
CAV475	75	35	40	340	203	75
CAV485	85	45	40	340	203	75
CAV4110	110	45	65	340	203	75

Loading data
Load tests carried out to two standards BS EN (IEC) 61534 and BS EN (IEC) 50085
All tests performed in accordance to the above standards with boxes fitted with plastic lid and carpet trim assembly

Floor box – 1 & 2 compartment :

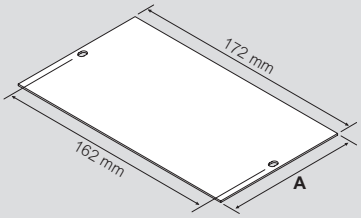
Small area (point load[1]) – 1·5 kN
Large area (plate[2]) – 3·0 kN

Large Floor Box – 3 & 4 compartment :

Small area (point load[1]) – 1·0 kN
Large area (plate[2]) - 3·0 kN

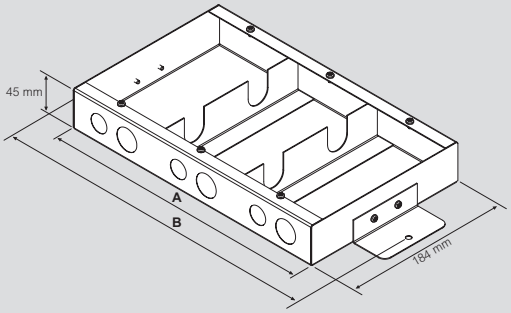
1 : Point load test = 13·3 mm diameter
2 : Plate load test = 130·0 mm diameter

Outlet plates



	A
1, 2, 3 comp.	100
4 comp.	75

Slab boxes



Cat. Nos.	A	B
Slab 1	102	162
Slab 2	202	262
Slab 3	302	362
Slab 4	302	362

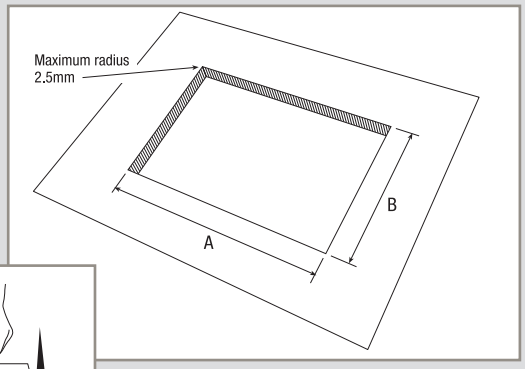
All dimensions (mm) are nominal

cavity floor service outlet boxes

installation

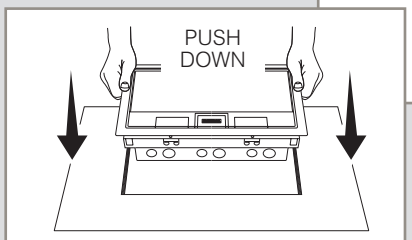
1 **Cut hole in floor tile**

	Minimum A	Maximum A	Minimum B	Maximum B
1 compartment	165 mm	167 mm	203 mm	205 mm
2 compartment	263 mm	265 mm	203 mm	205 mm
3 compartment	340 mm	342 mm	203 mm	205 mm
4 compartment	340 mm	342 mm	203 mm	205 mm



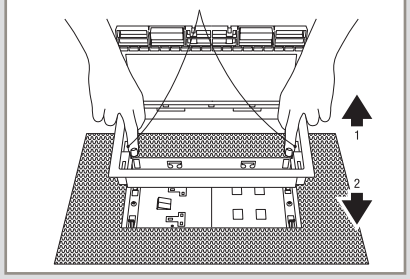
2 **Install box**

Lower base box into aperture and push firmly down
This will engage the fixing latches

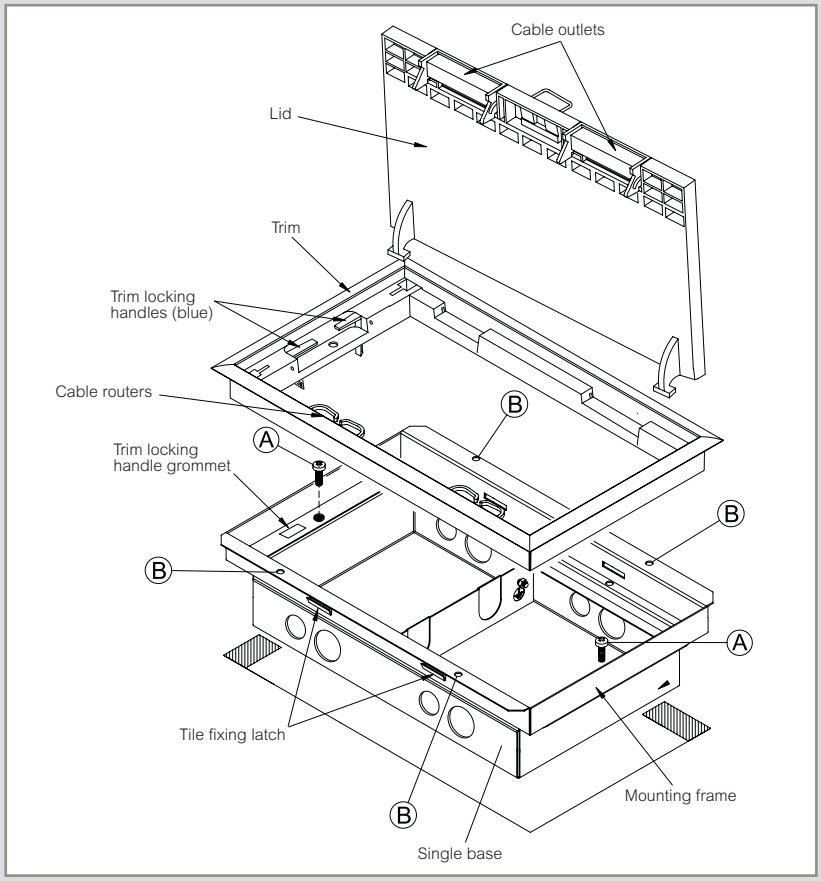


3 **Fitting lid and trim**

Lid and trim is a simple push fit
1 The rachets allow the trim to find its own level on top of the final floor finish
2 To remove, lift out by releasing the blue locking handles



FOR SAFETY : All cables exiting boxes must be positioned into the cable routers on box trim and exit box via cable outlets
Lid and lid handle must always be placed in the closed positions
When using metal lid and trims, the lifting device at the centre of the lid is not to be used as a cable exit



Opening lid to an angle of 30° and lifting upwards will detach lid from trim. Inserting lid into the opposite side of trim will change direction of the lid

Cable routers can also be removed and attached to opposite side of trim

A) Base can be detached from mounting frame by releasing screws (A) This enables the base to be connected to the services and left under floor tiles for protection until the carpet, lid and trim are fitted

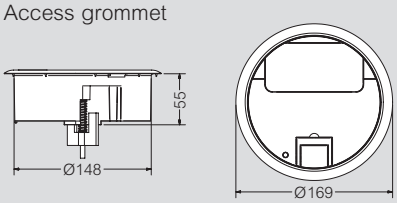
B) Box can be screw fitted to floor tile by using holes (B) in mounting frame (If hole in tile is outside maximum tolerance Use 4 x No.8 25 mm self tapping screws)

cavity floor grommets

technical information

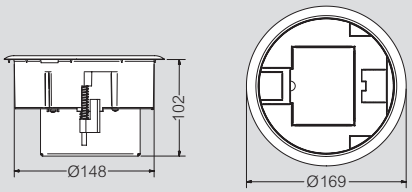
150 mm plastic grommets

Access grommet



Cat. No. SG6

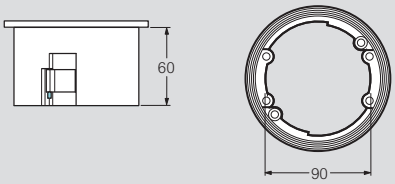
Power grommet



Cat. Nos. PG6 / PG6RCD / PG6PD / PG6D

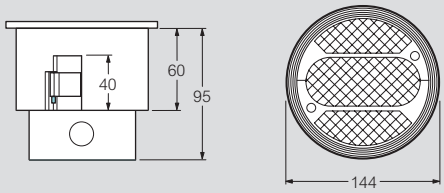
125 mm aluminium grommets

Access grommet



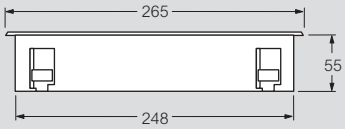
Cat. No. 089307

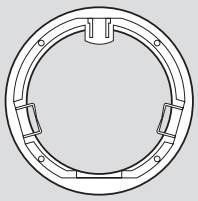
13 A power grommet



Cat. Nos. AM1B / AM1C

250 mm grommet





Cat. No. LSG2

Loading data
Load tests carried out to two standards BS EN (IEC) 61534 and BS EN (IEC) 50085
All tests performed in accordance to the above standards

Grommets :

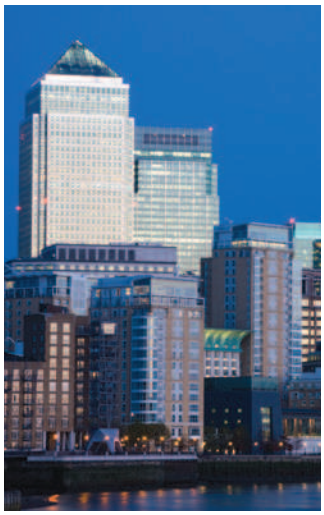
Small area (point load[1]) – 1·5 kN
Large area (plate[2]) – 3·0 kN

1 : Point load test = 13·3 mm diameter
2 : Plate load test = 130·0 mm diameter

All dimensions (mm) are nominal

The powertrack 63A compact busbar system is available in standard, clean earth and dual circuit versions.

- Fast, simple installation
- Push-fit connections
- Easily reconfigured



Legrand's powertrack system is the fast fit, versatile choice to supply power in cavity floors.

Reliable, push-fit connections make the system easy to install and reconfigure and, when used with a Soluflex cavity floor system, it creates a flexible cable management system that can adapt to changing requirements.

POWERTRACK

reliable, flexible workspace power

STANDARD

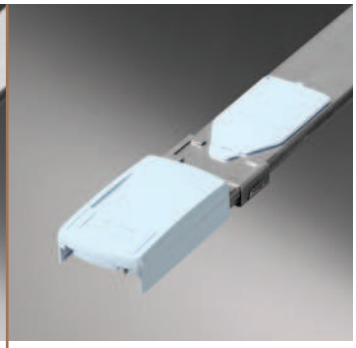
Two bar and earth powertrack system

See page p. 35

CLEAN EARTH

Three bar and earth powertrack system including an independent clean earth copper bar

See page p. 36



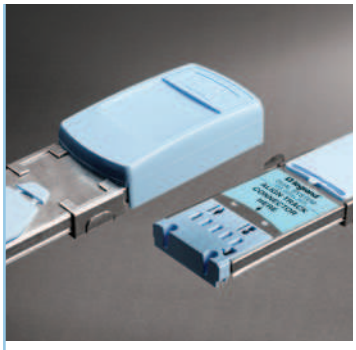
DUAL CIRCUIT

Five bar and earth powertrack system incorporating both standard and clean earth systems within one enclosure

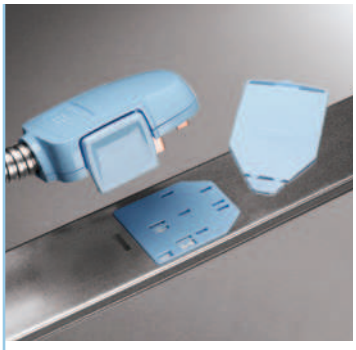
See page p. 37

THE POWER TO DELIVER

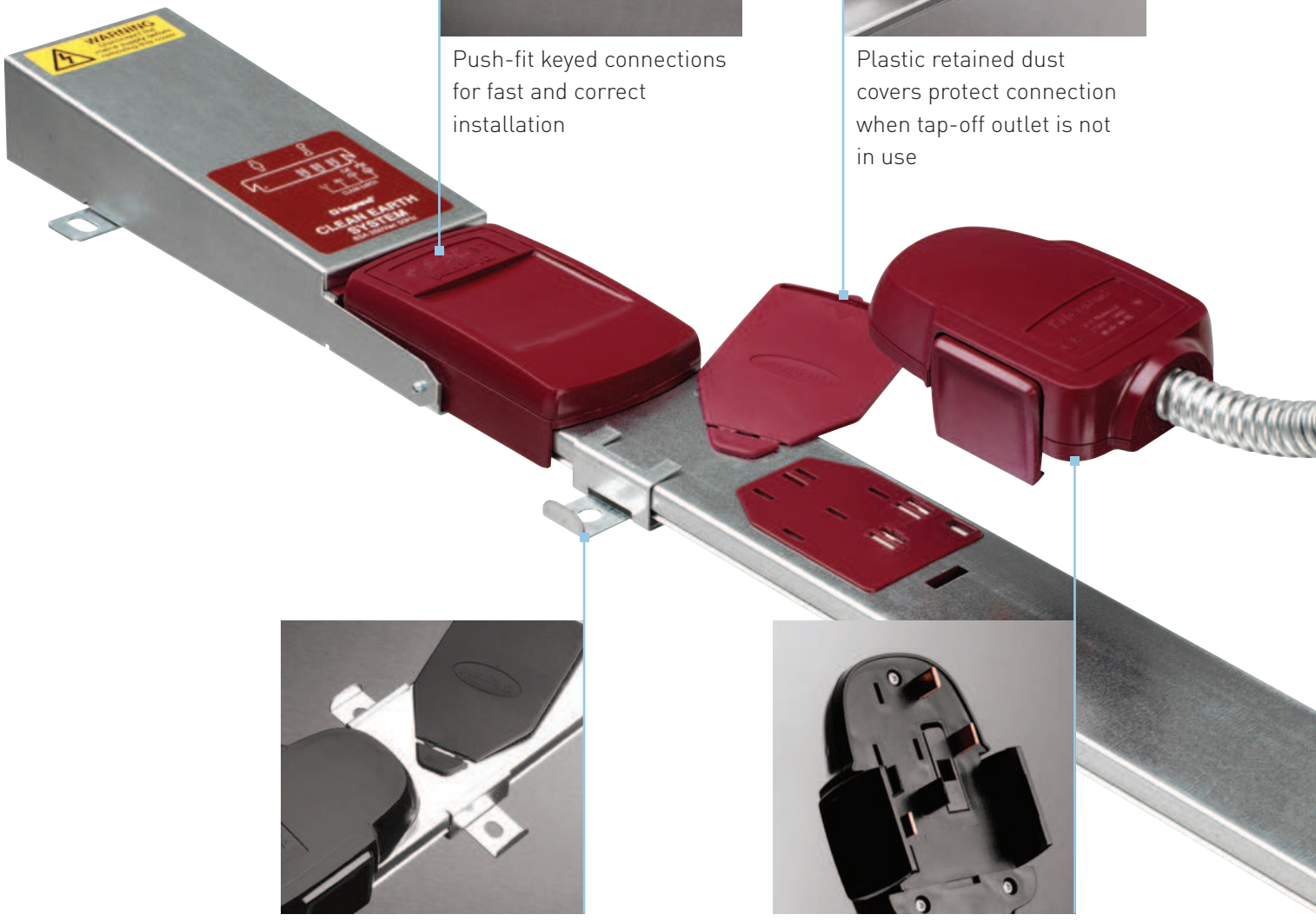
Innovative design makes Legrand's powertrack system the quick fit choice for supplying power under the floor



Push-fit keyed connections for fast and correct installation



Plastic retained dust covers protect connection when tap-off outlet is not in use



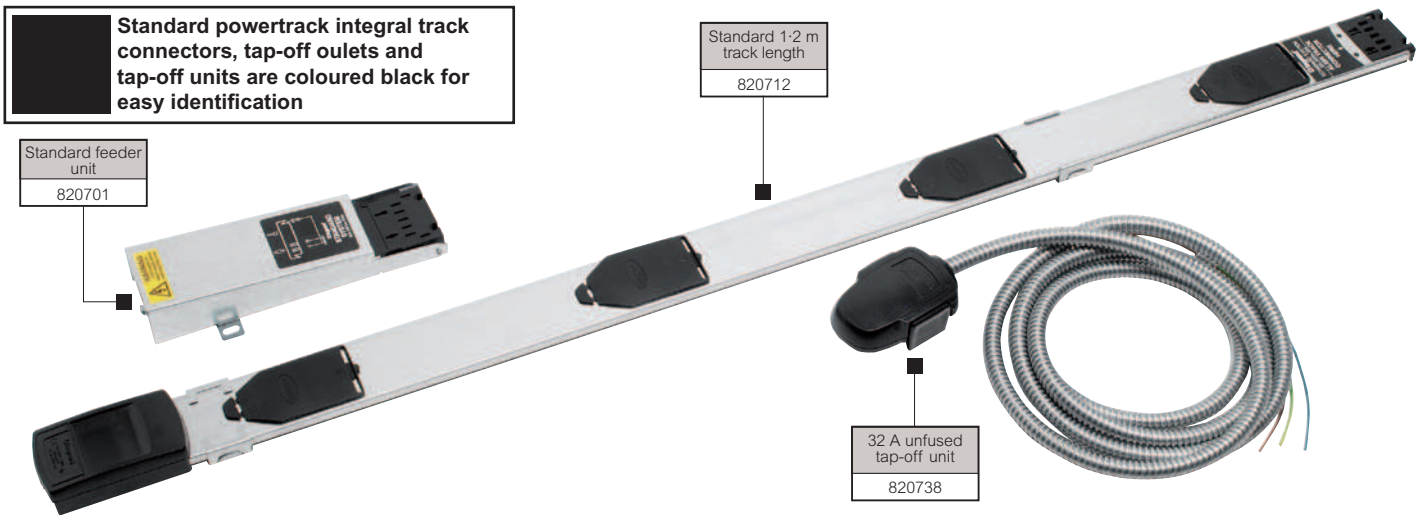
Integral fixing brackets secure track runs to the floor

Accessible fuse holder for an easy fuse change

Legrand powertrack system

standard (black)

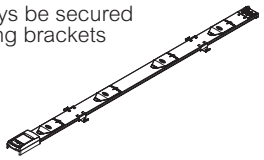
Standard powertrack integral track connectors, tap-off oulets and tap-off units are coloured black for easy identification

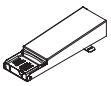


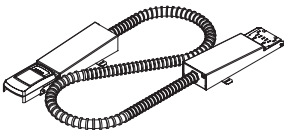
Dimensions and technical information **p. 40-45**

Two bar and earth 63 A powertrack system
Approved to ASTA standard 138 and ISO 9001 : 2018
Conforms to BS EN 61534-22 : 2014. Fully complies with the requirements of BS 7671 : 2008 + AM03 : 2015 IET Wiring Regulations

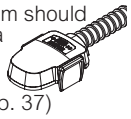
Pack	Cat. Nos.	Track lengths and feeder unit
		Standard track lengths
		300 mm socket pitch Track lengths fit together using the integral connectors on each length Track lengths should always be secured using the integral floor fixing brackets
1	820712	1·2 m, 4 tap-off outlets
1	820718	1·8 m, 6 tap-off outlets
1	820730	3·0 m, 10 tap-off outlets
		Standard feeder unit
1	820701	25 mm cable entry Terminal capacity 16 mm² maximum
		Flexible bend
		Standard flexible bend
1	820702	Comprises a length of 25 mm conduit with a plug-in feed at each end, pre-wired with 10 mm² tri-rated cable Cable length = 1·2 m







Pack	Cat. Nos.	Standard tap-off units
		Tap-off length refers to the cable and not the conduit length Unfused 32 A tap-off units in excess of 3 m should only be used if the track is protected by a protective device not exceeding 32 A These tap-off units can also be used with the dual circuit powertrack system (p. 37)
		32 A unfused
		16 mm Ø – 4 mm² L, N, PE
1	820738	3 m
1	820758	5 m
		13 A fused
		16 mm Ø – 1·5 mm² L, N, PE
1	820732	3 m
1	820752	5 m
		13 A 543·7 fused – high integrity[1]
		16 mm Ø – 1·5 mm² L, N, - 4 mm² PE
1	820734	3 m
1	820754	5 m



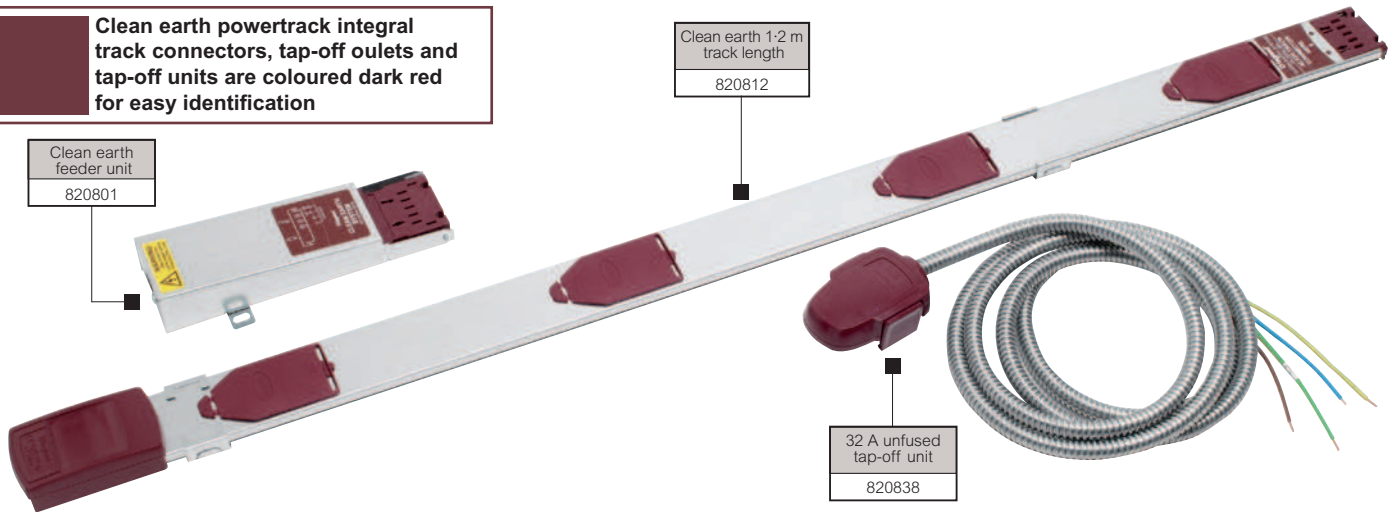
1 : For installations with high protective conductor currents **p. 41**

For pre-wired floor boxes and slab boxes **p. 38-39**

Legrand powertrack system

clean earth (dark red)

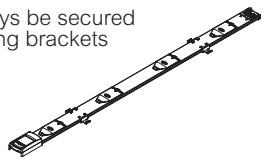
Clean earth powertrack integral track connectors, tap-off oulets and tap-off units are coloured dark red for easy identification

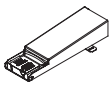


Dimensions and technical information **p. 40-45**

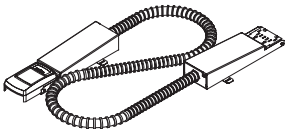
63 A powertrack system including an independent clean earth copper bar
Approved to ASTA standard 138 and ISO 9001 : 2018
Conforms to BS EN 61534-22 : 2014. Fully complies with the requirements of BS 7671 : 2008 + AM03 : 2015 IET Wiring Regulations

Pack	Cat. Nos.	Track lengths and feeder unit
		Clean earth track lengths
		300 mm socket pitch Track lengths fit together using the integral connectors on each length Track lengths should always be secured using the integral floor fixing brackets
1	820812	1·2 m, 4 tap-off outlets
1	820818	1·8 m, 6 tap-off outlets
1	820830	3·0 m, 10 tap-off outlets
		Clean earth feeder unit
1	820801	25 mm cable entry Terminal capacity 16 mm² maximum

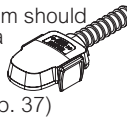




Pack	Cat. Nos.	Flexible bend
		Clean earth flexible bend
1	820802	Comprises a length of 25 mm conduit with a plug-in feed at each end, pre-wired with 10 mm² tri-rated cable Cable length = 1·2 m



Pack	Cat. Nos.	Clean earth tap-off units
		Tap-off length refers to the cable and not the conduit length Unfused 32 A tap-off units in excess of 3 m should only be used if the track is protected by a protective device not exceeding 32 A These tap-off units can also be used with the dual circuit powertrack system (p. 37)



		32 A unfused
		16 mm Ø – 4 mm² L, N, PE, CE
1	820838	3 m
1	820858	5 m
		13 A fused
		16 mm Ø – 1·5 mm² L, N, PE, CE
1	820832	3 m
1	820852	5 m
		13 A 543·7 fused – high integrity[1]
		16 mm Ø – 1·5 mm² L, N, - 4 mm² PE, CE
1	820834	3 m
1	820854	5 m

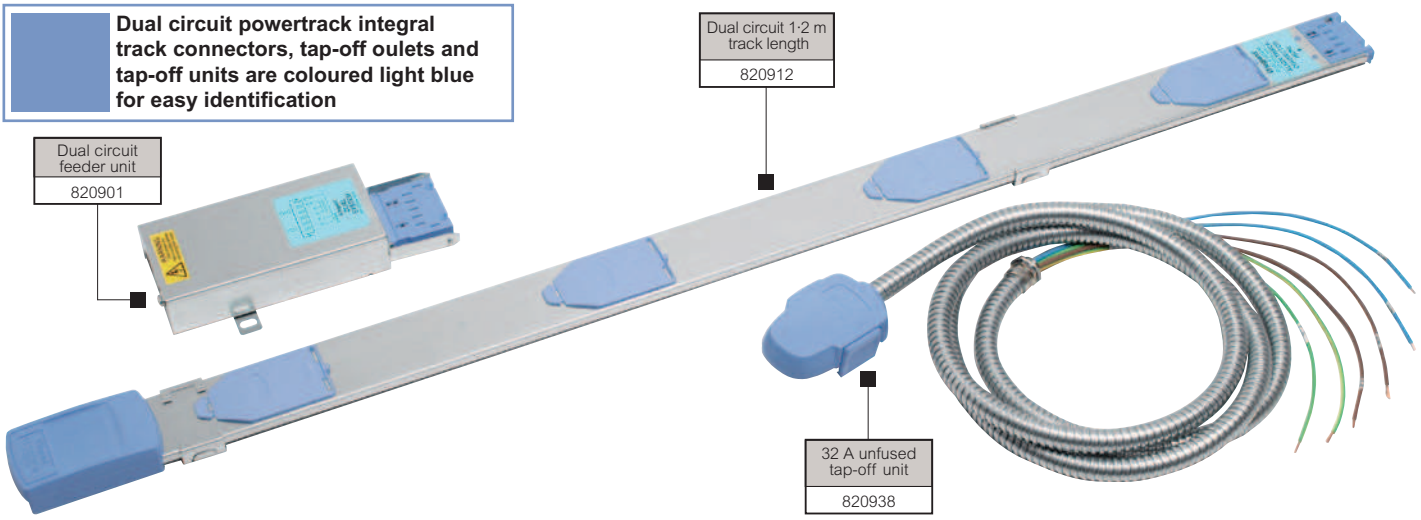
1 : For installations with high protective conductor currents **p. 41**

For pre-wired floor boxes and slab boxes **p. 38-39**

Legrand powertrack system

dual circuit (light blue)

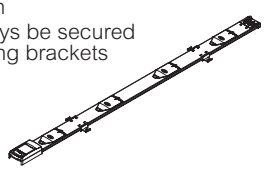
Dual circuit powertrack integral track connectors, tap-off oulets and tap-off units are coloured light blue for easy identification

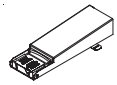


Dimensions and technical information **p. 40-45**

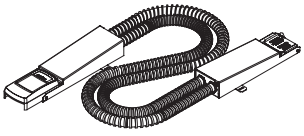
63 A powertrack system incorporating both standard and clean earth systems within one enclosure
Approved to ASTA standard 138 and ISO 9001 : 2018
Conforms to BS EN 61534-22 : 2014. Fully complies with the requirements of BS 7671 : 2008 + AM03 : 2015 IET Wiring Regulations

Pack	Cat. Nos.	Track lengths and feeder unit
		Dual circuit track lengths
		300 mm socket pitch Track lengths fit together using the integral connectors on each length Track lengths should always be secured using the integral floor fixing brackets
1	820912	1·2 m, 4 tap-off outlets
1	820918	1·8 m, 6 tap-off outlets
1	820930	3·0 m, 10 tap-off outlets
		Dual circuit feeder unit
1	820901	2 x 25 mm cable entry Terminal capacity 16 mm² maximum



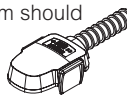


Pack	Cat. Nos.	Flexible bend
		Dual circuit flexible bend
1	820902	Comprises a length of 25 mm conduit with a plug-in feed at each end, pre-wired with 10 mm² tri-rated cable Cable length = 1·2 m



For pre-wired floor boxes and slab boxes **p. 38-39**

Pack	Cat. Nos.	Dual circuit tap-off units
		Tap-off length refers to the cable and not the conduit length Unfused 32 A tap-off units in excess of 3 m should only be used if the track is protected by a protective device not exceeding 32 A
		Dual circuit 32 A unfused
		20 mm Ø – 4 mm² L1, N1, CE, L2, N2, PE
1	820938	3 m
1	820958	5 m



Pack	Cat. Nos.	Clean earth tap-off units
		Clean earth 32 A unfused
		16 mm Ø – 4 mm² L, N, PE, CE
1	820838	3 m
1	820858	5 m
		Clean earth 13 A fused
		16 mm Ø – 1·5 mm² L, N, PE, CE
1	820832	3 m
1	820852	5 m
		Clean earth 13 A 543·7 fused – high integrity[1]
		16 mm Ø – 1·5 mm² L, N, - 4 mm² PE, CE
1	820834	3 m
1	820854	5 m

		Standard tap-off units
		Standard 32 A unfused
		16 mm Ø – 4 mm² L, N, PE
1	820738	3 m
1	820758	5 m
		Standard 13 A fused
		16 mm Ø – 1·5 mm² L, N, PE
1	820732	3 m
1	820752	5 m
		Standard 13 A fused – high integrity 543·7
		16 mm Ø – 1·5 mm² L, N, - 4 mm² PE
1	820734	3 m
1	820754	5 m

1 : For installations with high protective conductor currents **p. 41**

pre-wired cavity floor service outlet boxes

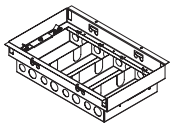
configuration table for standard tap-off units

The table below details the elements required to correctly order a pre-wired floor box or slab box

Lid and trim to be ordered separately **p. 27**

Simply suffix the service outlet box Cat. No. with the relevant "PW..." Cat. No. from the table, eg :

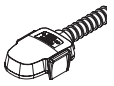
4 compartment cavity floor box, 110 mm deep (Cat. No. CAV4110) pre-wired with 1 x standard twin switched socket (Cat. No. SP3201) to a 3 m 13 A fused standard tap-off (Cat. No. 820732) = CAV4110PW11



Service outlet box (eg. CAV4110)

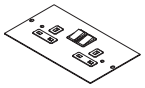
CAV4110

+



Standard tap-off unit (eg. 3 m 13 A fused 820732)

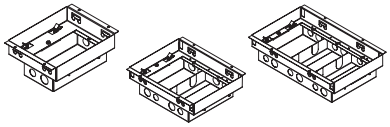
+



Socket outlet plates (eg. SP3201)

PW11

Choose your service outlet box

Cavity floor service outlet boxes	Depth	1 compartment	2 compartment	3 compartment	4 compartment
	75 mm	–	CAV275	CAV375	CAV475
	85 mm	CAV185	CAV285	CAV385	CAV485
	110 mm	–	CAV2110	CAV3110	CAV4110
Slab floor box		SLAB1	SLAB2	SLAB3	SLAB4

Choose your tap-off and socket outlet plates

Standard tap-off unit	3 m			5 m		
	13 A Fused	32 A Unfused	13 A High integerity	13 A Fused	32 A Unfused	13 A High integerity
Cat. Nos.	820732	820738	820734	820752	820758	820754
1 x 13 A standard socket outlet						
13 A twin switched socket plate	PW11	PW12	PW13	PW14	PW15	PW16
13 A twin unswitched socket plate	PW17	PW18	PW19	PW110	PW111	PW112
13 A triple unswitched socket plate[1]	PW119	PW120	PW121	PW122	PW123	PW124
2 x 13 A standard socket outlets						
13 A twin switched socket plate[1]	PW21	PW22	PW23	PW24	PW25	PW26
13 A twin unswitched socket plate[1]	PW27	PW28	PW29	PW210	PW211	PW212
13 A triple unswitched socket plate[1]	PW219	PW220	PW221	PW222	PW223	PW224
3 x 13 A standard socket outlets						
13 A twin switched socket plate[1]	PW31	PW32	PW33	PW34	PW35	PW36
13 A twin unswitched socket plate[1]	PW37	PW38	PW39	PW310	PW311	PW312
13 A triple unswitched socket plate[1]	PW319	PW320	PW321	PW322	PW323	PW324
1 x 13 A non-standard socket outlet						
13 A twin NS switched socket plate	PW131	PW132	PW133	PW134	PW135	PW136
2 x 13 A non-standard socket outlets						
13 A twin NS switched socket plate[1]	PW231	PW232	PW233	PW234	PW235	PW236
3 x 13 A non-standard socket outlets						
13 A twin NS switched socket plate[1]	PW331	PW332	PW333	PW334	PW335	PW336
1 x RCD socket outlet						
2 gang RCD socket plate[1]	PW149	PW150	PW151	PW152	PW153	PW154
2 x RCD socket outlets						
2 gang RCD socket plate[1]	PW249	PW250	PW251	PW252	PW253	PW254
3 x RCD socket outlets						
2 gang RCD socket plate[1]	PW349	PW350	PW351	PW352	PW353	PW354

1: Where boxes are supplied with a single tap-off unit and contain more than 2 x single socket outlets, the loading of the service box must not exceed 32 A

pre-wired cavity floor service outlet boxes

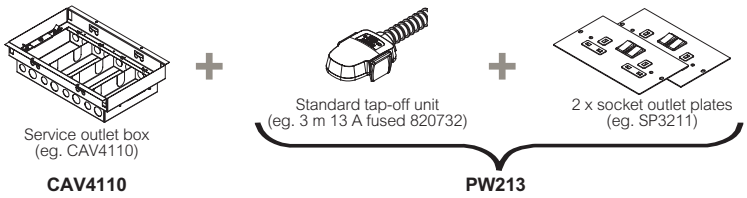
configuration table for clean earth tap-off units

The table below details the elements required to correctly order a pre-wired floor box or slab box

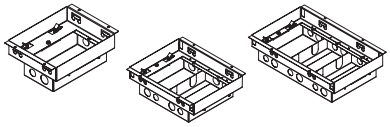
Lid and trim to be ordered separately **p. 27**

Simply suffix the service outlet box Cat. No. with the relevant "PW..." Cat. No. from the table, eg :

4 compartment cavity floor box, 110 mm deep (Cat. No. CAV4110) pre-wired with 2 x clean earth twin switched sockets (Cat. No. SP3211) to a 3 m 13 A fused clean earth tap-off (Cat. No. 820832) = CAV4110PW213



Choose your service outlet box

Cavity floor service outlet boxes	Depth	1 compartment	2 compartment	3 compartment	4 compartment
	75 mm	–	CAV275	CAV375	CAV475
	85 mm	CAV185	CAV285	CAV385	CAV485
	110 mm	–	CAV2110	CAV3110	CAV4110
Slab floor box		SLAB1	SLAB2	SLAB3	SLAB4

Choose your tap-off and socket outlet plates

Clean earth tap-off unit	3 m			5 m		
	13 A Fused	32 A Unfused	13 A High integerity	13 A Fused	32 A Unfused	13 A High integerity
Cat. Nos.	820832	820838	820834	820852	820858	820854
1 x 13 A clean earth socket outlet						
13 A twin switched socket plate	PW113	PW114	PW115	PW116	PW117	PW118
13 A triple unswitched socket plate[1]	PW125	PW126	PW127	PW128	PW129	PW130
2 x 13 A clean earth socket outlets						
13 A twin switched socket plate[1]	PW213	PW214	PW215	PW216	PW217	PW218
13 A triple unswitched socket plate[1]	PW225	PW226	PW227	PW228	PW229	PW230
3 x 13 A clean earth socket outlets						
13 A twin switched socket plate[1]	PW313	PW314	PW315	PW316	PW317	PW318
13 A triple unswitched socket plate[1]	PW325	PW326	PW327	PW328	PW329	PW330
1 x 13 A non-standard clean earth socket outlet						
13 A twin NS switched socket plate	PW143	PW144	PW145	PW146	PW147	PW148
2 x 13 A non-standard clean earth socket outlets						
13 A twin NS switched socket plate[1]	PW243	PW244	PW245	PW246	PW247	PW248
3 x 13 A non-standard clean earth socket outlets						
13 A twin NS switched socket plate[1]	PW343	PW344	PW345	PW346	PW347	PW348
1 x 13 A RCD clean earth socket outlet						
2 gang RCD socket plate[1]	PW155	PW156	PW157	PW158	PW159	PW160
2 x 13 A RCD clean earth socket outlets						
2 gang RCD socket plate[1]	PW255	PW256	PW257	PW258	PW259	PW260
3 x 13 A RCD clean earth socket outlets						
2 gang RCD socket plate[1]	PW355	PW356	PW357	PW358	PW359	PW360

1: Where boxes are supplied with a single tap-off unit and contain more than 2 x single socket outlets, the loading of the service box must not exceed 32 A

General installation notes

Legrand powertrack is a compact system that can be installed in floor voids as low as 48 mm

Feed units are provided with one or two 25 mm diameter holes suitable for MICC, armoured cables or single core cables in conduit
Track lengths connect together and to feed units using the integral connectors on each length

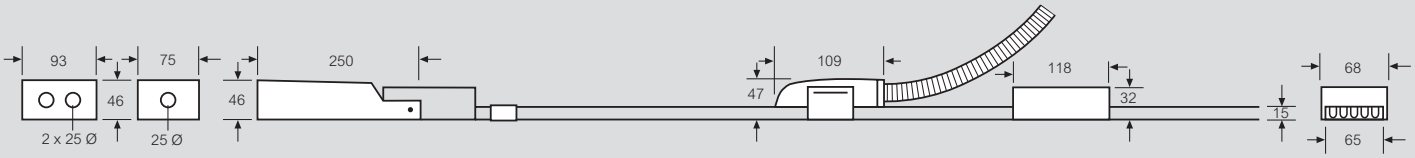
Lengths should always be secured using the integral floor fixing brackets ; three on the 3·6 m length and two on 2·4 m, 1·8 m or 1·2 m lengths

Access to power is provided along the busbar length by simply plugging tap-off units into shuttered socket outlets. These tap-off units feed all types of conventional floor service outlet boxes or feed workstations directly through the floor via insulated conductors contained in flexible metal or VO rated nylon conduit. When connecting tap-offs directly through the floor via grommet outlets to workstations care must be taken to ensure that the tap-off length is adequate

The dual system has both standard and low noise / clean earth systems incorporated. As well as dual tap-offs, both standard and low noise / clean earth tap-offs can be plugged into any socket outlet along the busbar length. The dual tap-off incorporates both standard and low noise cables

Optimum layout flexibility is achieved by positioning busbar lengths a maximum of 5·2 m apart and 2·5 m from the wall, and by connecting the 3 m tap-off units to floor outlet boxes. This means every part of the floor area can be served. Flexible interlinks can be used to overcome obstructions or used as corners if required

Dimensions

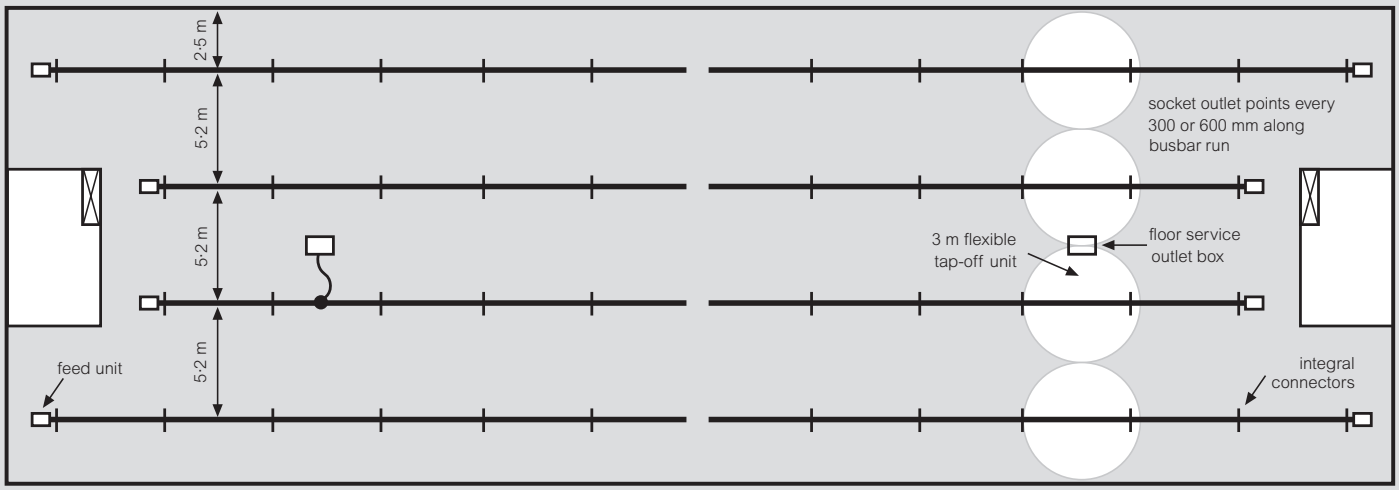


End view A

End view B

Integral fixing bracket fixing centres

Example floor layout



All dimensions (mm) are nominal

Legrand powertrack / underfloor busbar system

design and installation (continued)

Standards

Approved to ASTA Standard 138
BS EN 61534-22 : 2014
and IEC 61534-22 : 2014
Manufactured within an approved ISO 9001 : 2008 and ISO 14001 : 2004 facility
Assessed Quality Assurance Certificate
Legrand powertrack / underfloor busbar fully complies with the requirements of BS 7671 : 2008 + AMD 3 : 2015 (IET Wiring Regulations)

Ambient temperature rating factors

The current carrying capacity for a powertrack / underfloor busbar (In) is affected by the ambient temperature
For Legrand powertrack / underfloor busbar the ambient rating factor Kα is equal to 1 for ambient temperatures up to and including 35° C

Iz = Kα In

Where :
Iz = effective current carrying capacity for continuous service under particular installation conditions
Kα = ambient temperature factor
In = nominal current carrying capacity
For ambient temperatures exceeding 35° C the values of Kα and Iz are given in the following tables

Powertrack / underfloor busbar system							
Ambient	20°C	25°C	30°C	35°C	40°C	45°C	50°C
Kα	1				0·95	0·85	0·80
Iz	63 A				59 A	53 A	50 A

32 A unfused tap-off (using thermosetting 90°C cables)							
Ambient	20°C	25°C	30°C	35°C	40°C	45°C	50°C
Kα	1				0·95	0·85	0·80
Iz	32 A				30 A	27 A	25 A

13 A fused tap-off (using 2·5 mm² thermosetting 90°C cables)							
Ambient	20°C	25°C	30°C	35°C	40°C	45°C	50°C
Kα	1						
Iz	13 A						

References :

BS 7671 : 2008 incorporating amendment No. 3 : 2015
Appendix 8 – Current carrying capacity for powertrack systems
Appendix 4 – Table 4B1 Rating factors for thermosetting cables
Appendix 4 – Table 4E1A – Single core 90°C thermosetting insulated cables (non-armoured)

Earth fault loop impedance

BS 7671 : 2008 + AMD 3 : 2015 IET 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 Legrand for calculating the earth fault loop impedance are shown in the electrical test data table, see page 42

Durability

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

Installations with high protective conductor currents

All unfused tap-offs comply with Regulation 543·7 without the need for additional earth conductors. Regulation 543·7·1·103 (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 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 our fused 543·7 tap-offs, the 1·5 mm² earth conductor is replaced with a 4 mm² conductor and are therefore compliant with Section 543·7·1·103 (ii)

32 A tap-off unit

The 3 m 32 A tap-off unit comprises an unfused tap-off with 2·6 m of flexible metal conduit with integral 4 mm² LSOH conductors

These units are designed to comply with regulation 434·2·1 of the IET Wiring Regulations by virtue of the following :
• maximum length of cable is 3 m
• 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 delivered by the circuit protection device
Disconnection time for socket outlets is 0·4 seconds (Regulation 411·3·2·2)

Tap-off units in excess of 3 m should only be used if they contain a fuse or the busbar run is protected by a protective device not exceeding 32 A

Volt drops (live and neutral)	
Busbars	3·0 mV/A/m
Cable connector	0·4 mV/A
Integral 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

Mechanical data	
Busbar conductor cross sectional area	13 mm²
Housing cross sectional area (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	16 mmØ / 20 mmØ
Tap-off conduit, 5 and 6 conductors	20 mm²
Flexible corner cable (tri-rated, high temperature)	10 mm²
Flexible corner conduit	25 mmØ
IP rating	40

Earth fault loop impedance	
Phase busbar	1·5 mΩ/m
Earth busbar	1·5 mΩ/m
Earth housing	1·1 mΩ/m
Earth busbar and housing	0·8 mΩ/m
Cable connector	0·4 mΩ
Integral 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

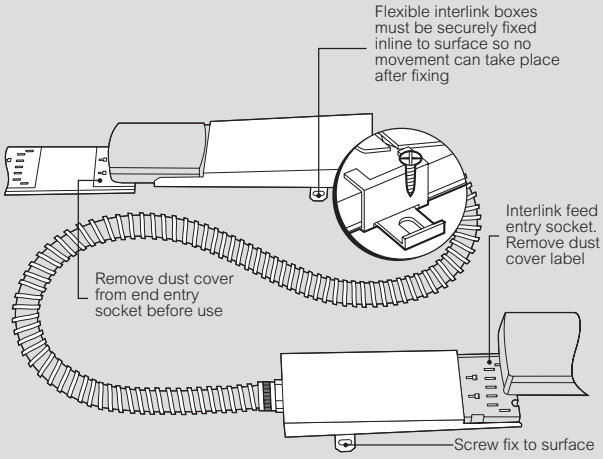
Electrical test data	
Rated current	63 A
Rated voltage	230 V
Frequency	50/60 Hz
Conductor resistance - live and neutral	3·0 mΩ/m
Conductor impedance	1·5 mΩ/m

Material specifications	
Housing - busbar lengths	Galvanised steel, natural finish
Busbars	High conductivity copper (Tinned version is electro-tin plated)
Busbar insulator	PTFE
Integral connectors / Tap-off outlets	Flame retardant polycarbonate
Tap-off outlet entry shutter	Acetal
Tap-off housing	Flame retardant polycarbonate
Integral connector blades	Copper (Tinned version is plated)
Tap-off blades	Copper (Tinned version is plated)
Tap-off/flexible corner conduit, metal	Electro-galvanised steel
Tap-off cable	LSOH to BS 7211
Flexible interlink cable	Tri-rated to BS 6231
Feed box/flexible interlink boxes	Galvanised steel
Feed connector terminals/earth block	Brass (Tinned version is plated)
Fixing brackets	Galvanised steel
13 A tap-off, fuse	To BS 1362, ASTA approved

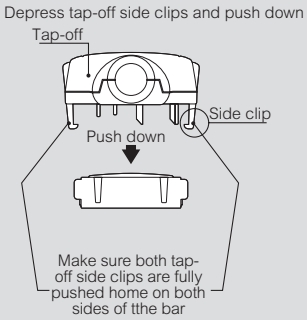
All dimensions (mm) are nominal

Product configuration

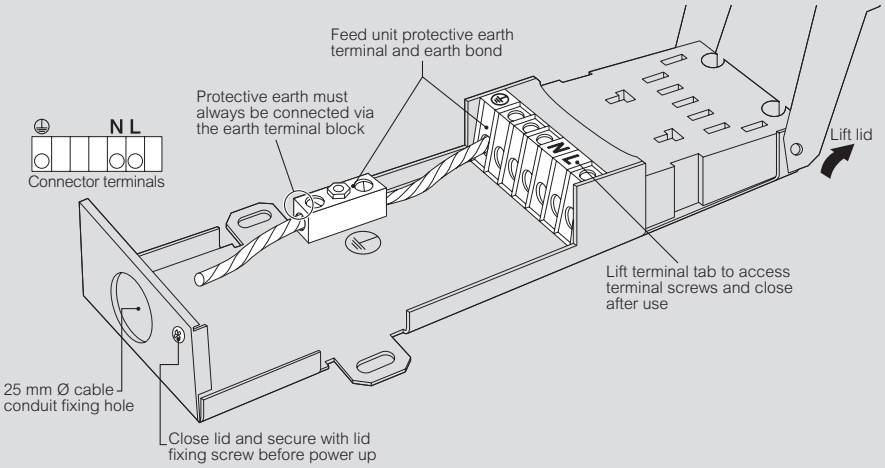
Flexible bend (Cat. Nos. 820702, 820802, 820902)



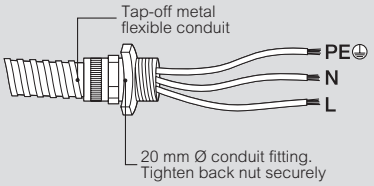
Tap-off connection



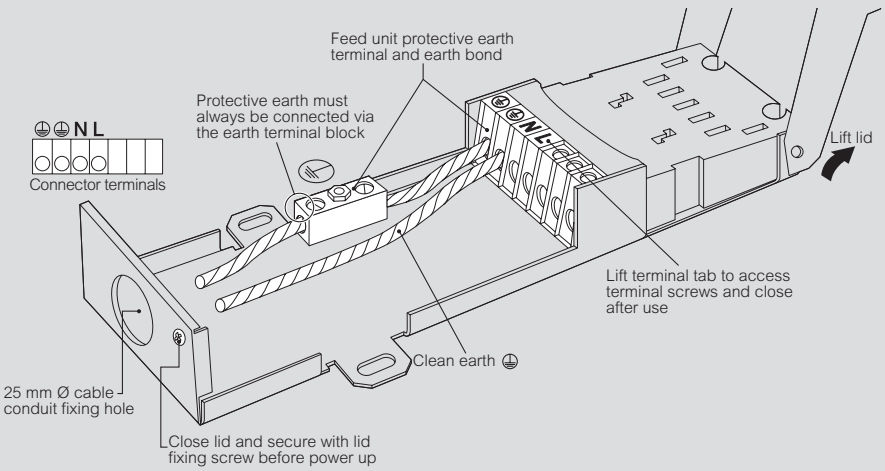
Standard feeder unit (Cat. No. 820701) sub-cabling



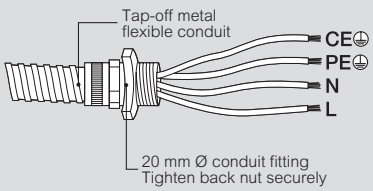
Tap-off connection



Clean earth feeder unit (Cat. No. 820801) sub-cabling



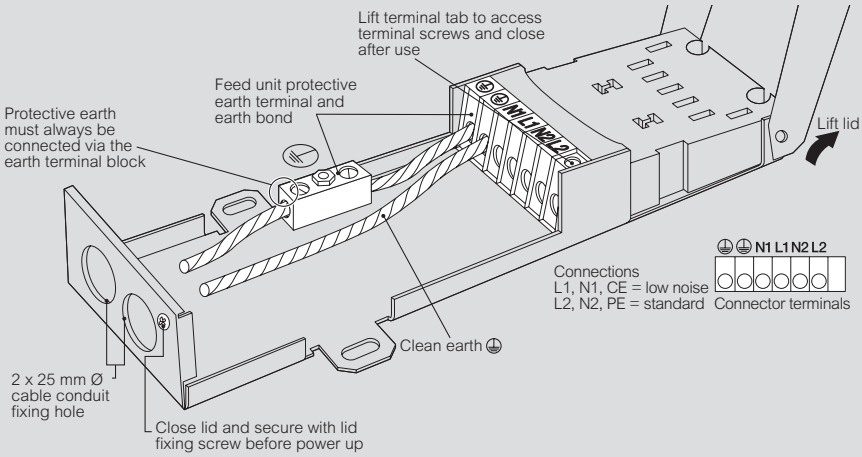
Tap-off connection



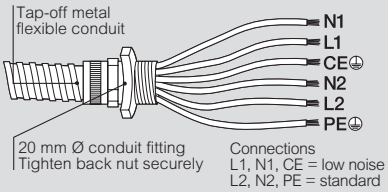
All dimensions (mm) are nominal

Product configuration (continued)

Dual circuit feeder unit (Cat. No. 820901) sub-cabling



Dual tap-off connection (dark green)

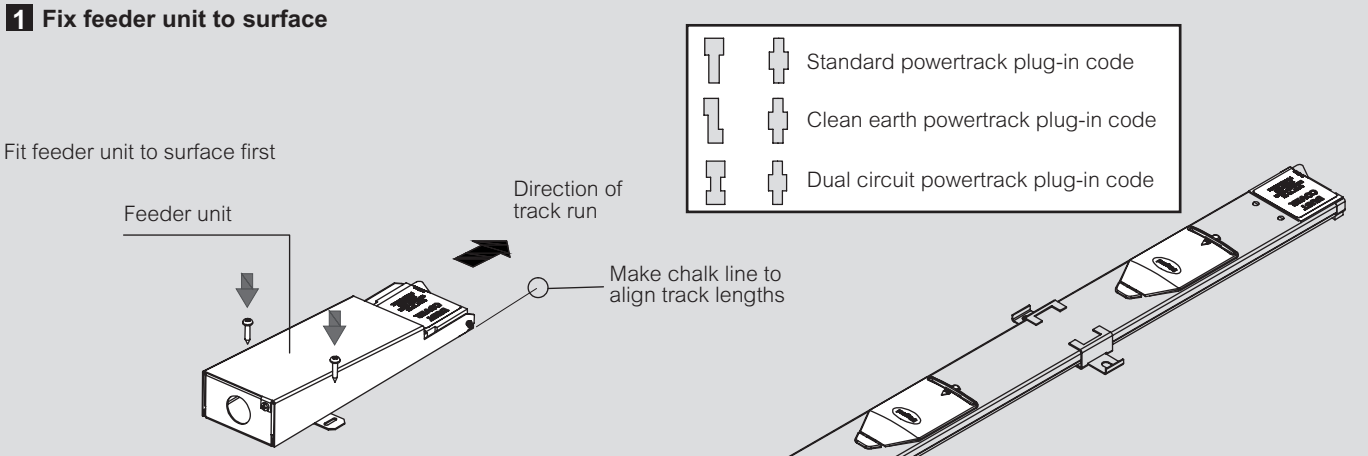


All dimensions (mm) are nominal

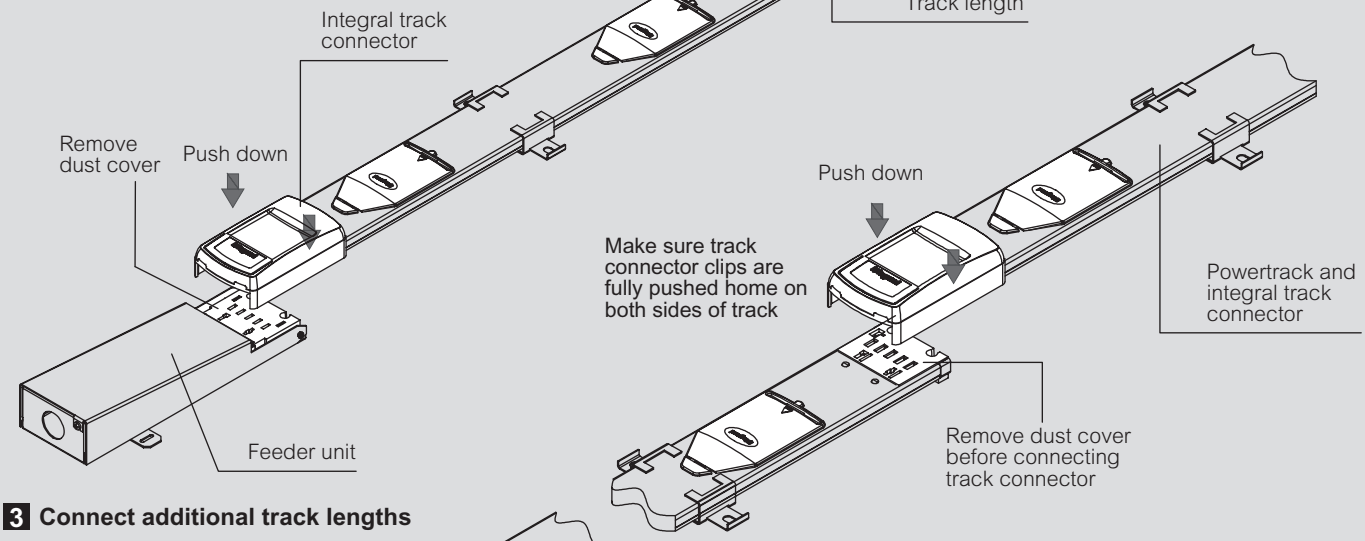
Legrand powertrack systems

installation instructions

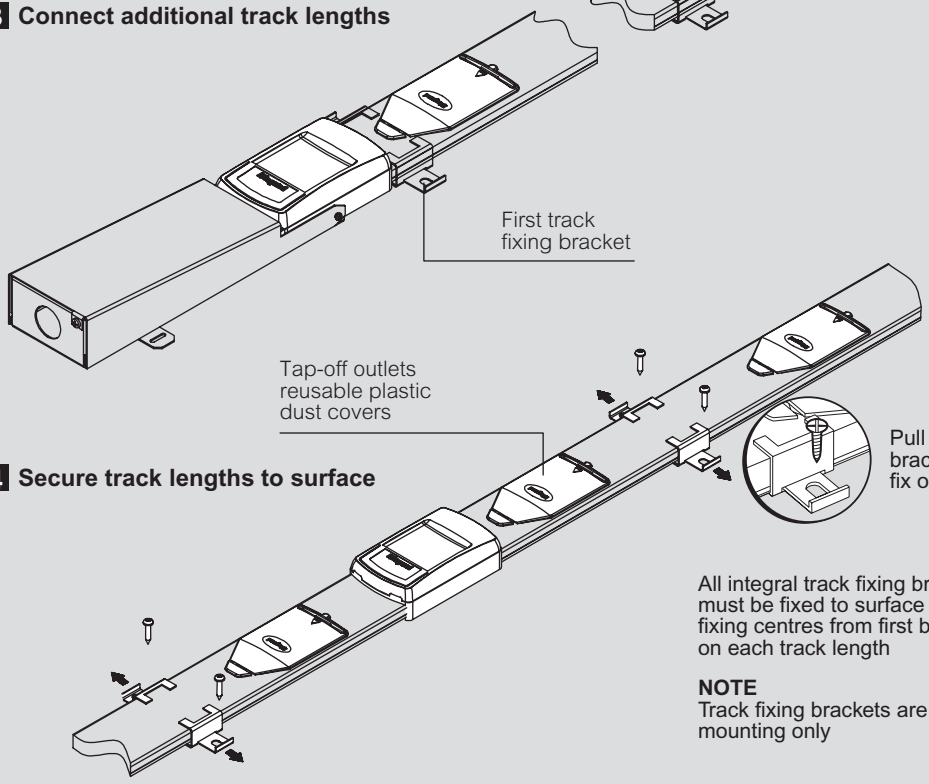
1 Fix feeder unit to surface



2 Connect track length to feeder unit



3 Connect additional track lengths



4 Secure track lengths to surface

All integral track fixing brackets must be fixed to surface at 1·2 m fixing centres from first bracket on each track length

NOTE
Track fixing brackets are for slab mounting only

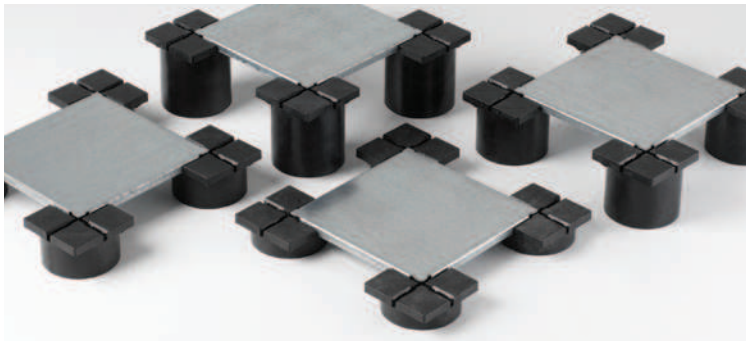
All dimensions (mm) are nominal

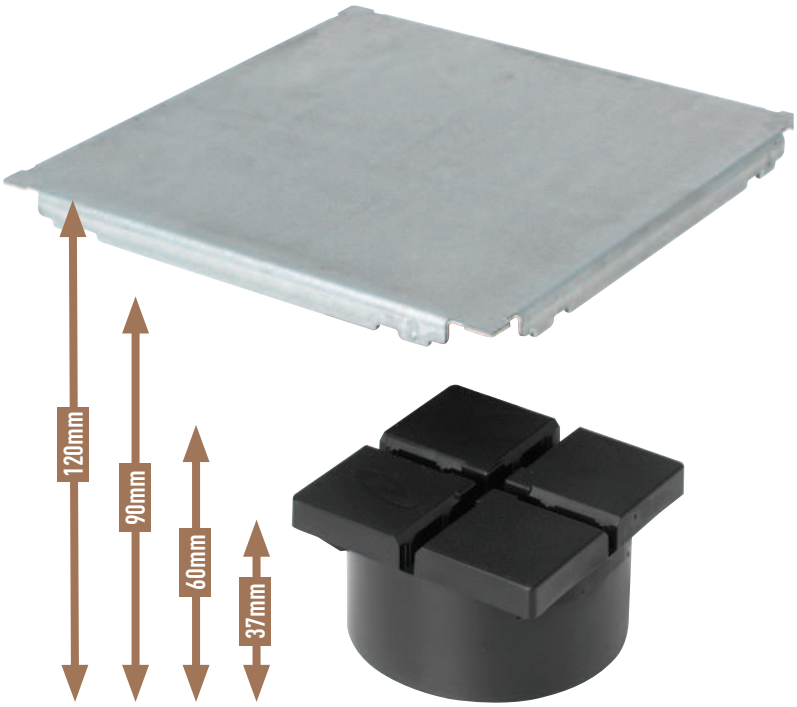
SOLUFLEX®

innovative cable management flooring

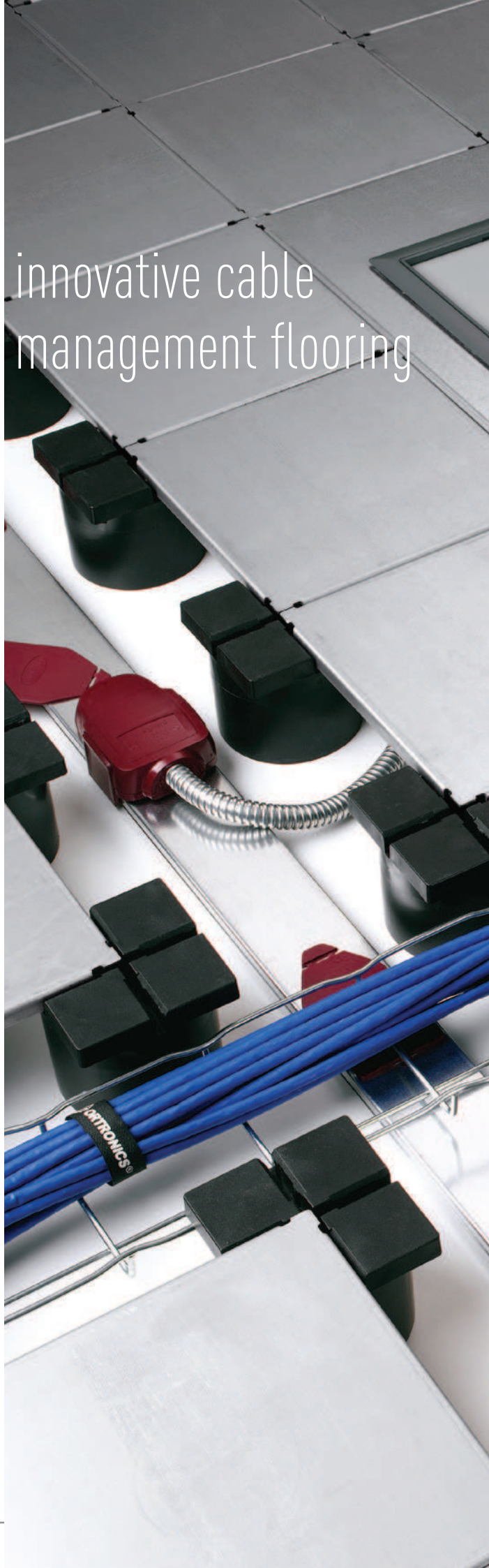
Soluflex is much more than just a raised floor, it's a quick and simple to install cable management solution.

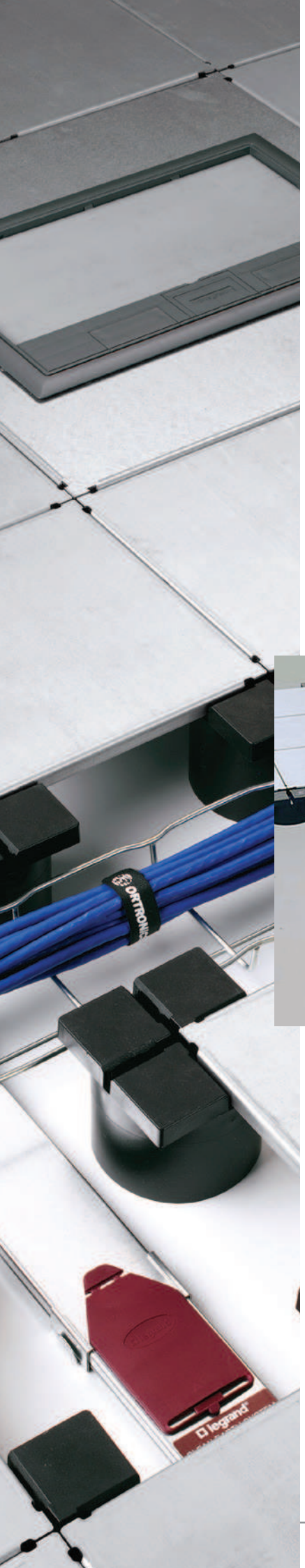
This innovative system integrates low-level flooring with Legrand's market leading cable management ranges, allowing cables for power, data and communication to be structured in a logical, ready to use layout that remains hidden to end users.





NEW SIZES ALSO AVAILABLE - 50, 70, 80 and 150mm
Contact us on: +44 (0) 370 608 9020





PERFECT PARTNERS

Soluflex has been designed to integrate perfectly with Legrand's market leading cable management ranges and wiring accessories...

From ultra-compact powertrack systems to Cablofil steel wire cable tray, and from cavity floor boxes to Arteor power and data sockets, every solution can be installed in or under the floor using Soluflex.

QUICK AND EASY INSTALLATION

You don't have to be a flooring expert to install Soluflex. It's simply a question of placing supports on the floor and then clicking the durable steel tiles into place (without the need for glue or fixings).

Once the floor has been laid, the required cabling and connections can be installed between the supports by removing the relevant tiles until cabling is complete. The finished installation can then be covered with any type of covering... carpet tiles, rubber, stone or wood. And if the office layout changes, or even relocates, Soluflex can be reconfigured and reused.

IDEAL FOR RENOVATION

Ideal for use in existing buildings, Soluflex's non-invasive installation technique avoids damaging historic floors and includes a specially developed, ultra low 37 mm system... the perfect lightweight solution to bring older buildings into the 21st century without compromising floor to ceiling height.

Soluflex® cavity floor system

selection chart

Height (mm)	Tile	Support	Double edge plate	Single edge plate	Step	Step corner	Ramp
37	84000 10	84037 00	84000 60	84000 61	84037 22	84037 30	84037 40
60	84000 10	84060 00	84000 60	84000 61	84060 22	84060 30	84060 40
90	84000 10	84090 00	84000 60	84000 61	84090 22	84090 30	84090 40
120	84000 10	84120 00	84000 60	84000 61	84120 22	84120 30	84120 40

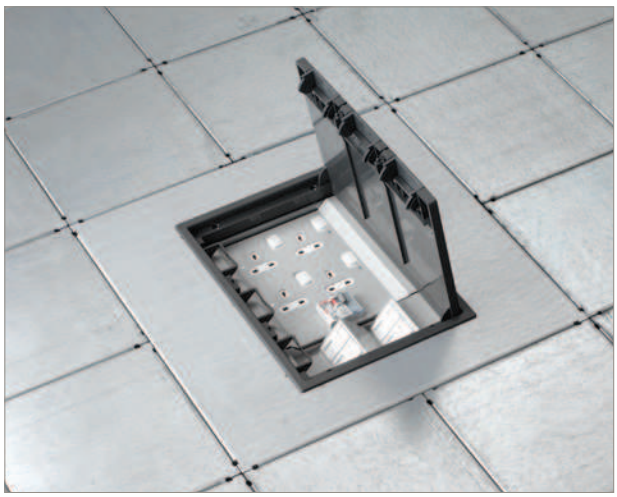
Height (mm)	Floor box tile	Floor box lid + trim	3 comp. twin socket module	4 comp. twin socket module	3 comp. blank module	4 comp. blank module
37	-	-	-	-	-	-
60	84090 81	8218 21	8218 22	8218 23	8218 24	8218 25
90	84090 81	8218 21	8218 22	8218 23	8218 24	8218 25
120	84090 81	8218 21	8218 22	8218 23	8218 24	8218 25

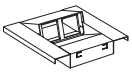
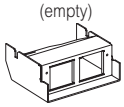
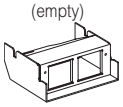
1 : For use with accessory outlet tile or cable outlet tile
2 : For use with accessory outlet tile. Standard version shown. Requires back box, Cat. No. 8218 30. Other configurations available to special order. Contact us on +44 (0) 370 608 9020

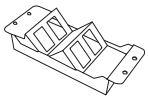
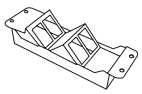
■ Floor boxes with lid and trim assemblies :

Suitable for 60, 90 and 120 mm systems

Specials also available, including RCD and RCBO options to comply with 17th Edition requirements



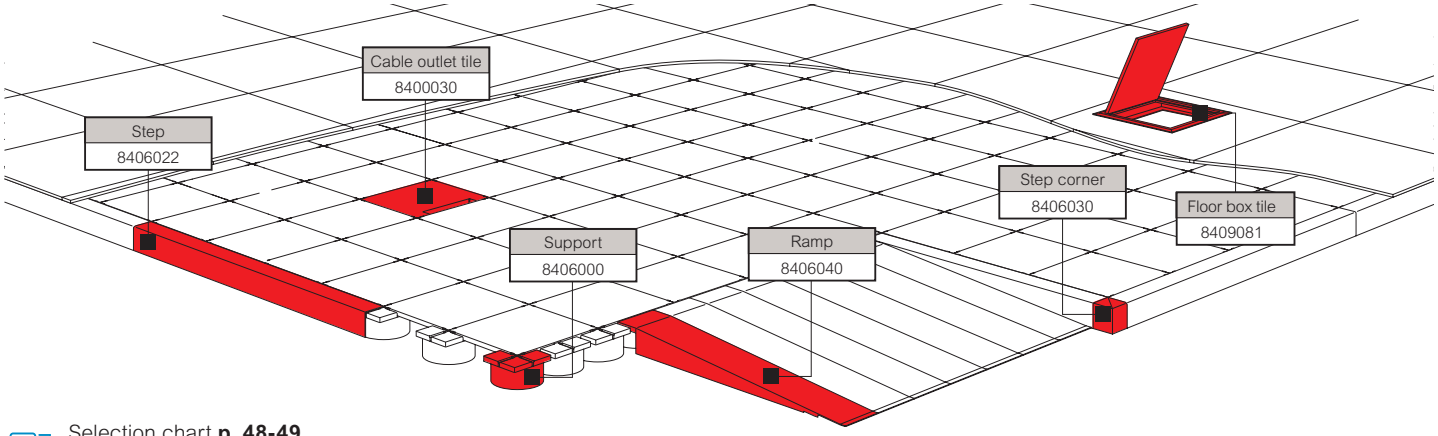
	Earthing tile	Cable outlet tile	Chrome outlet grommet	Semi-submerged power unit 2 x 240 V (empty)	Semi-submerged data unit 2 x 2 data (empty)	Fully submerged power unit 2 x 240 V (empty)	Fully submerged data unit 2 x 2 data (empty)
							
	84000 20	84000 30	81902 32	84037 50	84037 51	-	-
	84000 20	84000 30	81902 32	-	-	84060 72	84060 73
	84000 20	84000 30	81902 32	-	-	-	-
	84000 20	84000 30	81902 32	-	-	-	-

	3 comp. data module	4 comp. data module
		
	-	-
	8218 26	8218 27
	8218 26	8218 27
	8218 26	8218 27

Now also available in 50, 70, 80 and 150 mm heights
Contact us on +44 (0) 370 608 9020

Soluflex®

ultra low cavity floor system



Selection chart **p. 48-49**
Installation instructions **p. 53**
Dimensions **p. 54-55**

Cable management floor system
225 x 225 mm tiles manufactured from pre-galavanised steel with 13 mm return
Integrated earthing design
Click fit, no fixings required
Supports manufactured from recycled polypropylene

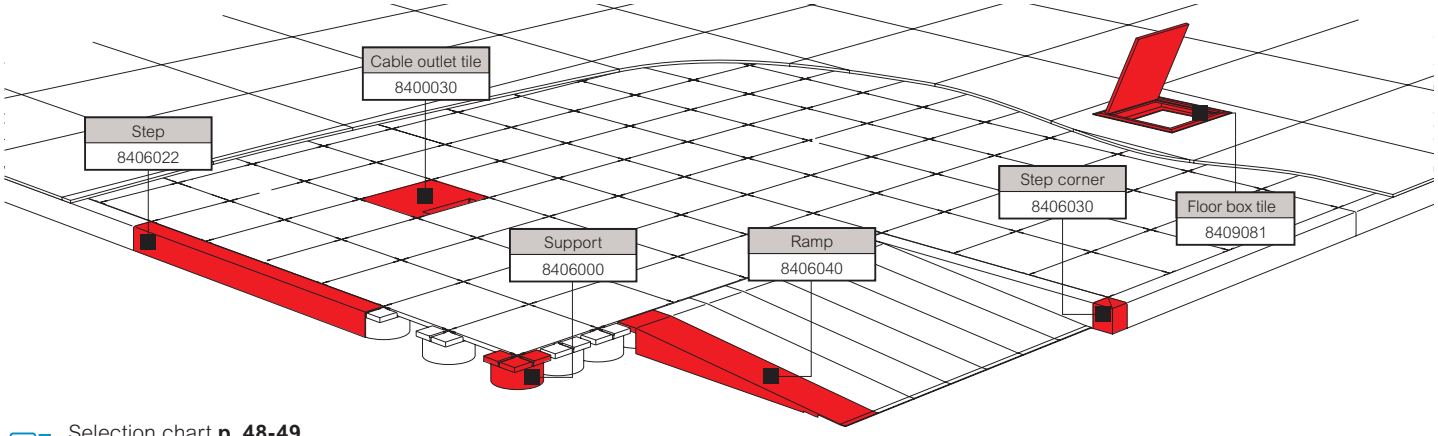
Pack	Cat. Nos.	Floor components
		Tile
1	8400010	225 x 225 mm floor tile
		Floor supports
1	8403700	37 mm height (35 mm support – 37 mm inc. tile)
1	8406000	60 mm height (58 mm support – 60 mm inc. tile)
1	8409000	90 mm height (88 mm support – 90 mm inc. tile)
1	8412000	120 mm height (118 mm support – 120 mm inc. tile)
		Earthing tile
1	8400020	225 x 225 mm Earthing clamp 6 mm² (max.) 1 earthing tile per 100 m²
		Edge plates
		Used to finish installation against wall Trim to size on site
1	8400060	900 x 300 mm double edge plate
1	8400061	900 x 300 mm single edge plate
		Step
		Width 900 mm
		Height (mm)
1	8403722	37
1	8406022	60
1	8409022	90
1	8412022	120

Pack	Cat. Nos.	Floor components (continued)		
		Step corner		
		Width 900 mm		
		Height (mm)		
1	8403730	37		
1	8406030	60		
1	8409030	90		
1	8412030	120		
		Ramp		
		10% incline		
		Height (mm)	Length (mm)	Width (mm)
1	8403740	37	400	112
1	8406040	60	616	112
1	8409040	90	898	112
1	8412040	120	1 181	112

Now also available in 50, 70, 80 and 150 mm heights
Contact us on +44 (0) 370 608 9020

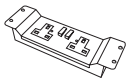
Soluflex®

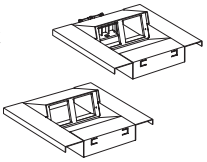
ultra low cavity floor system (continued)

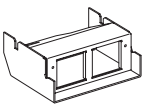


Selection chart **p. 48-49**
Installation instructions **p. 53**
Dimensions **p. 54-55**

Cable management floor system
225 x 225 mm tiles manufactured from pre-galavanised steel with 13 mm return
Integrated earthing design
Click fit, no fixings required
Supports manufactured from recycled polypropylene

Pack	Cat. Nos.	Floor box for 60, 90 and 120 mm high systems only	
		Floor box	
1	8409081	450 x 450 mm floor box tile	
1	821821	Floor box lid and trim	
		Outlet plate options	
1	821822	3 compartment twin switched socket module	
1	821824	3 compartment blank module	
1	821826	3 compartment data module (4 x 37 x 22 mm cut-outs)	
1	821823	4 compartment twin switched socket module	
1	821825	4 compartment blank module	
1	821827	4 compartment data module (4 x 37 x 22 mm cut-outs)	

Pack	Cat. Nos.	Outlet solutions for 37 mm high systems	
		Semi-submerged	
1	8403750	37 mm power outlet to accept 2 x Arteor double modules[1]	
1	8403751	37 mm data outlet to accept 2 x Arteor double modules[1]	

Pack	Cat. Nos.	Outlet solutions for 60 mm high systems	
		Fully submerged	
1	8406072	60 mm power outlet to accept 2 x Arteor double modules[1]	
1	8406073	60 mm data outlet to accept 2 x Arteor double modules[1]	

Pack	Cat. Nos.	Universal outlets	
		Accessories	
1	8190232	Chrome outlet grommet	
1	8400030	Cable outlet tile	

1 : For Arteor modules, refer to the latest Wiring Devices catalogue

Soluflex® cavity floor system

technical information

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 10346
- 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 (50, 70, 80 and 150 mm)
- Weight of the Soluflex cable floor system : approx. 20 kg per m^2

Load bearing data

- Point load per tile/support : 1 500 Newton/25 mm^2
- Equal divided load of 3 000 kg per m^2
- Minimum safety factor : V = 1·71

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

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 = 48 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
  ❒Lw = 17 dB ❒lin = 7 dB
  Concrete floor 140 mm + Soluflex + carpet tiles
  ❒Lw = 24 dB ❒lin = 12 dB

Tested to : PSA MOB PF2PS/SPU

BS EN 12825 : 2001

Working load : 1·9kN

Ultimate load above 12kN	Deflection under working load	Safety factor	Class of tolerance in manufacture
1	A	3	1

Working load : 2·9kN

Ultimate load above 12kN	Deflection under working load	Safety factor	Class of tolerance in manufacture
1	B	2	1

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-d0

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

NEN-EN 13501-1

B(fl) S1-d0

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

CE

Soluflex® cavity floor system

general installation instructions

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 plastic 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
- 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 create 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 m² 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 steps with step corners 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

Ramp

Cable routes

Completed Soluflex installation

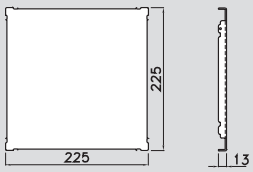
Finished example with carpet tiles

Soluflex® cavity floor system

37 mm, 60 mm, 90 mm, 120 mm height

Dimensions (mm)

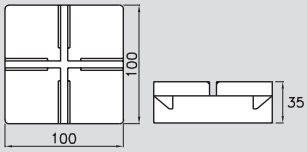
Tile



Cat. No. 8400010

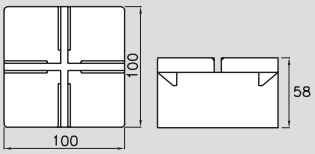
Supports

For 37 mm height



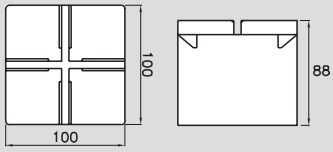
Cat. No. 8403700

For 60 mm height



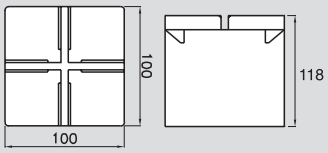
Cat. No. 8406000

For 90 mm height



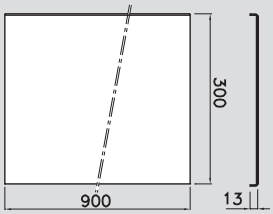
Cat. No. 8409000

For 120 mm height



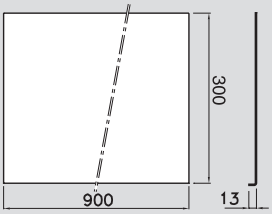
Cat. No. 8412000

Double edge plate



Cat. No. 8400060

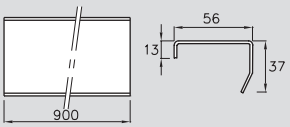
Single edge plate



Cat. No. 8400061

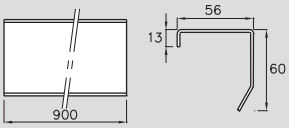
Steps

For 37 mm height



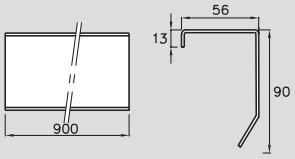
Cat. No. 8403722

For 60 mm height



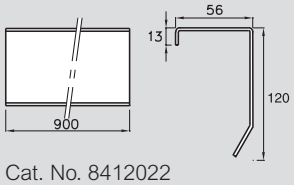
Cat. No. 8406022

For 90 mm height



Cat. No. 8409022

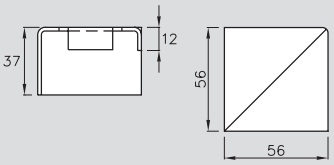
For 120 mm height



Cat. No. 8412022

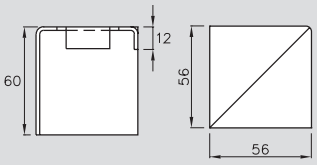
Step corner

For 37 mm height



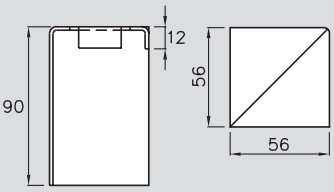
Cat. No. 8403730

For 60 mm height



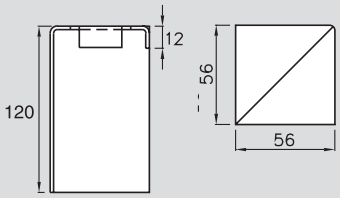
Cat. No. 8406030

For 90 mm height



Cat. No. 8409030

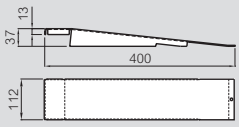
For 120 mm height



Cat. No. 8412030

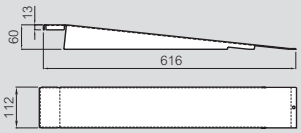
Ramp

For 37 mm height



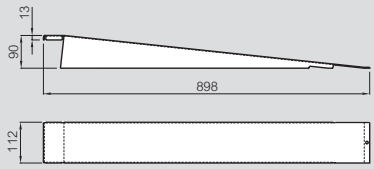
Cat. No. 8403740

For 60 mm height



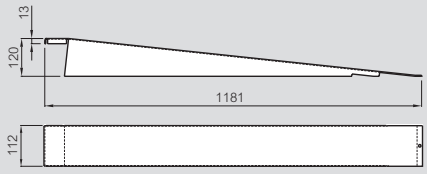
Cat. No. 8406040

For 90 mm height



Cat. No. 8409040

For 120 mm height



Cat. No. 8412040

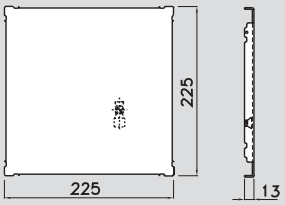
All dimensions (mm) are nominal

Soluflex® cavity floor system

37 mm, 60 mm, 90 mm, 120 mm height (continued)

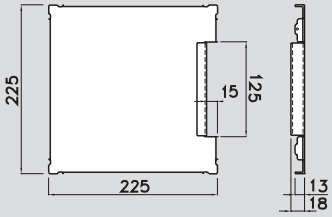
Dimensions (mm)

Earthing tile



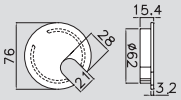
Cat. No. 8400020

Cable outlet tile



Cat. No. 8400030

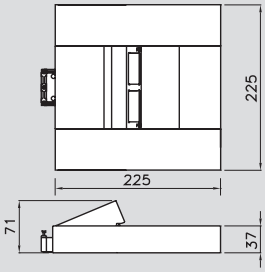
Chrome outlet grommet



Cat. No. 8190232

Semi-submerged unit

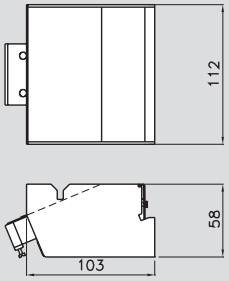
For 37 mm range only



Cat. Nos. 8403750 Power
8403751 Data

Fully submerged power unit 2 x 240 V (empty)

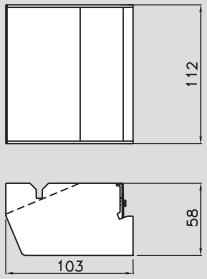
For 60 mm range only



Cat. No. 8406072

Fully submerged data unit 2 x 2 data (empty)

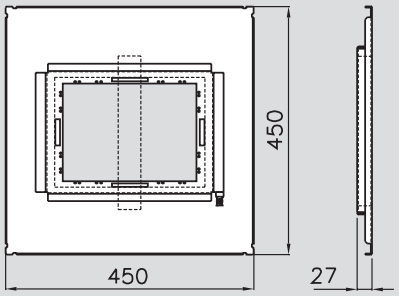
For 60 mm range only



Cat. No. 8406073

Floor box tile

For 60 mm, 90 mm, 120 mm ranges only



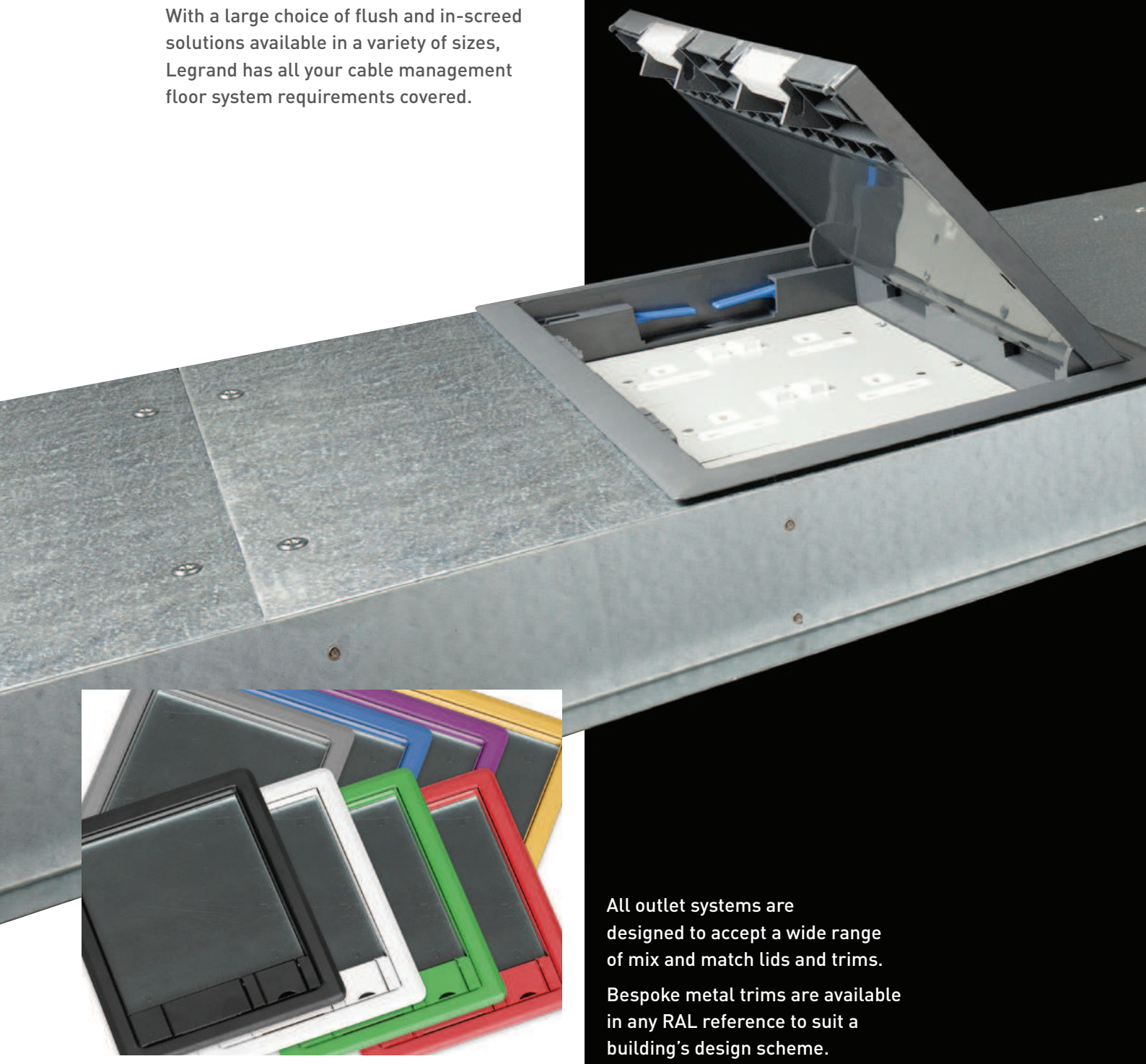
Cat. No. 8409081

All dimensions (mm) are nominal

FLOOR SYSTEMS

making the right choice simple

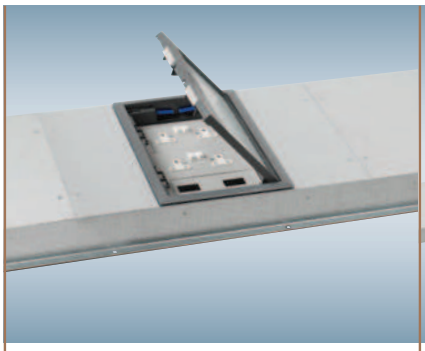
With a large choice of flush and in-screed solutions available in a variety of sizes, Legrand has all your cable management floor system requirements covered.



All outlet systems are designed to accept a wide range of mix and match lids and trims.

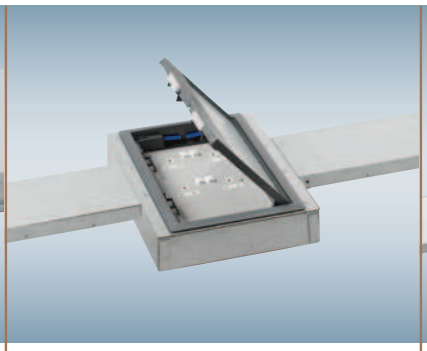
Bespoke metal trims are available in any RAL reference to suit a building's design scheme.

PRODUCT RANGES



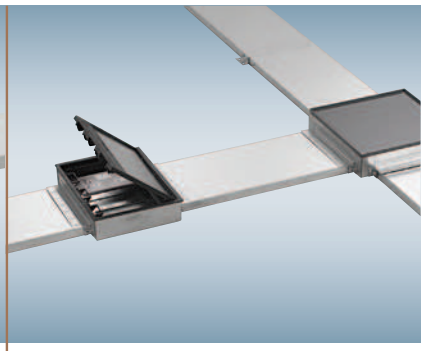
FLUSH FLOOR TRUNKING

- Commercial floor trunking system
- Ideal for distributing power, data and communication in any commercial environment
- Can be used if service outlets are required
- Cables can be accessed after installation has been completed
- Floor boxes can be positioned at any point along the trunking and removed and repositioned at a later date



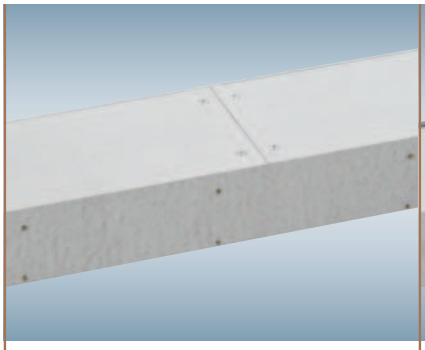
SHALLOW FLUSH FLOOR TRUNKING

- Commercial floor trunking system
- Designed to distribute power, data and communication where the amount of screed that can be removed is limited
- Can be used if service outlets are required
- Cables can be accessed after installation has been completed



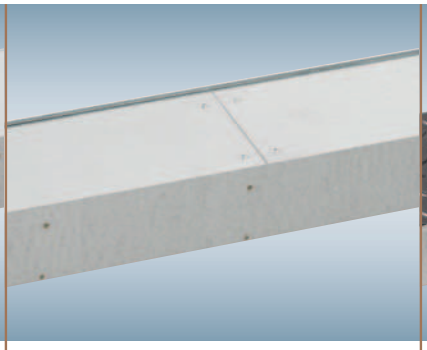
UNDERFLOOR DUCT

- Commercial floor ducting system
- Ducting is installed under the screed providing a strong yet cost effective solution
- Position of service outlet and junction boxes is fixed prior to installation
- Service outlet and junction boxes are height adjustable to fit flush with screed



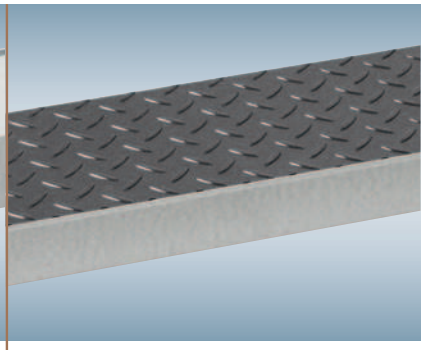
FLUSH LID FLOOR TRUNKING

- Commercial floor trunking system
- Floor finish is fitted over the flush lid giving a neat finish
- Available in a wide range of sizes
- Suitable for long runs of cable where no outlets are required



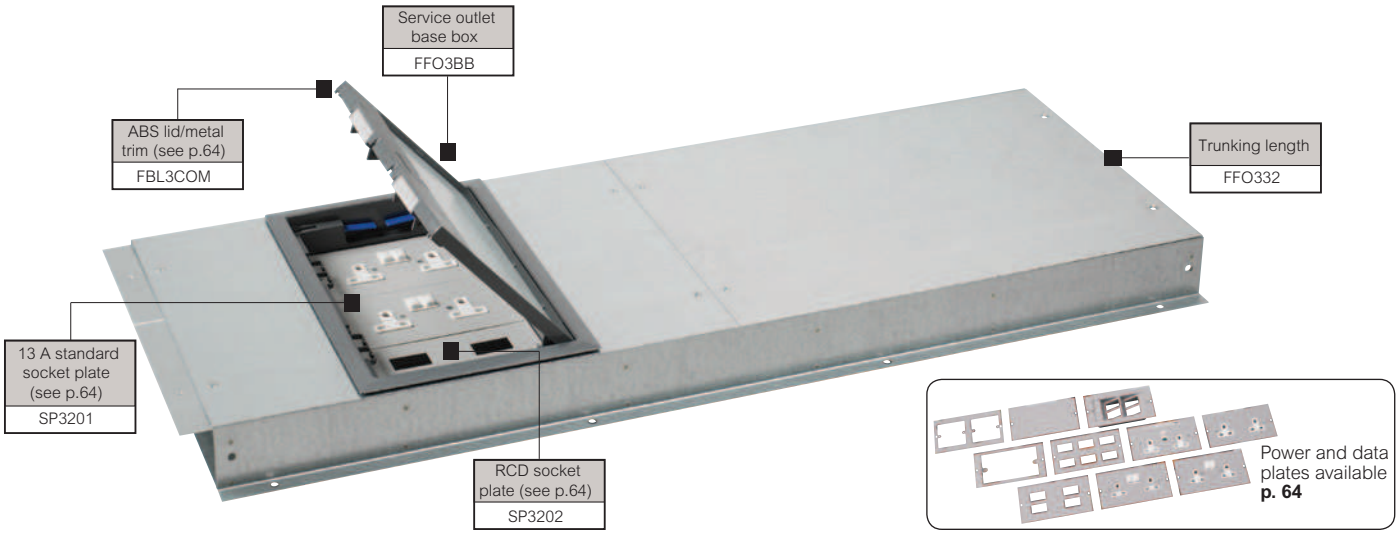
RECESSED LID FLOOR TRUNKING

- Commercial floor trunking system
- Floor finish is fitted recessed into the trunking lid
- Suitable for use in environments where access to cables may be required at a later date, for example hospitals



CHEQUER PLATE FLOOR TRUNKING

- Industrial floor trunking system
- Outward return flange for added strength
- Suitable for floors that are subjected to heavy loads, for example warehouses



Screed floor outlet boxes selection chart **p. 62-63**
Dimensions and technical information **p. 67**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10346
Standard lengths : trunking 2·0 m, lid 0·5 m
Standard lid thickness : 2·5 mm
Each 2 m length is fitted with 4 x 500 mm long lids and supplied complete with all necessary connectors and screws
Trunking to floor fixings not supplied
A service outlet floor box can be fitted at each lid position

Flush floor trunking

Pack	Cat. Nos.	
		Trunking length – 2 m
1	3 comp FFO332 | 4 comp FFO342	370 x 65 mm
		Spare connector set
1	FFO330	370 x 65 mm
		90° riser bend
		Supplied with screeding cover Provides conduit entry with 20 mm knockouts
1	3 comp FFO3311 | 4 comp FFO3411	370 x 65 mm
		Back entry skirting adaptor
1	3 comp FFOS3SK6 | 4 comp FFOS4SK6	370 x 65 – 150 mm high skirting
1	FFOS3SK8 | FFOS4SK8	370 x 65 – 200 mm high skirting
		Cable trunking adaptor
1	3 comp FFOT332T | 4 comp FFOT342T	370 x 65 mm To complete the Cat. No. specify : T = standard cable trunking Cat. No. Example : FFOT 332 MGR623C

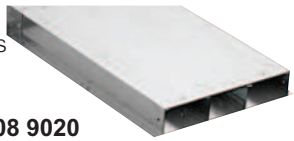
Flush floor trunking (continued)

Pack	Cat. Nos.	
		End cap
1	FFO3312	370 x 65 mm
		Junction box
		Supplied with connections and blanking plates Can be configured as a fourway, tee, bend or straight through connector box
1	3 comp FFO3313 | 4 comp FFO3413	370 x 65 mm

Service outlet base boxes

Pack	Cat. Nos.	
		Service outlet base boxes are supplied fitted into a 500 mm long cover To complete the system, the outlet base box requires outlet plates, lid and trim Outlet plates, lids and trims ordered separately, (see p. 64)
1	3 comp FFO3BB | 4 comp FFO4BB	

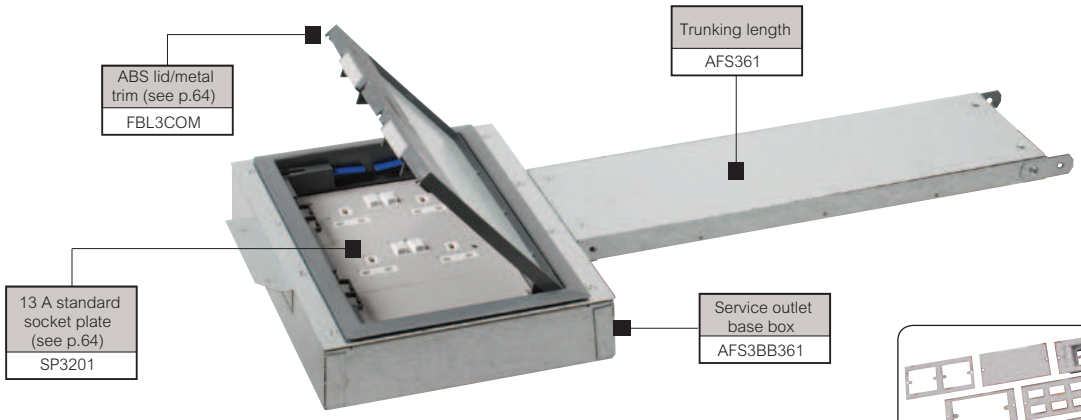
Flush floor trunking can be supplied in widths and depths greater than 370 x 65 mm to special order
Contact us on +44 (0) 370 608 9020

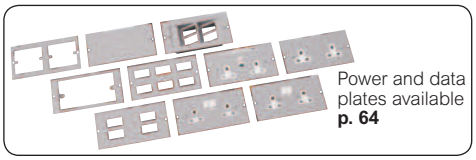


All trims for service outlet boxes can be ABS, stainless steel, brass or powder coated any colour **p. 64**

commercial floor trunking systems

shallow flush floor trunking



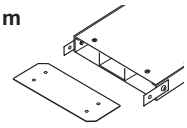


Screed floor outlet boxes selection chart **p. 62-63**
Dimensions and technical information **p. 68**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10346
Standard lengths : trunking 2·0 m, lid 0·5 m
Standard lid thickness : 2·5 mm
Each 2 m length is fitted with 4 x 500 mm long lids and supplied complete with all necessary connectors and screws

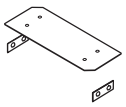
Shallow flush floor trunking

Trunking length – 2 m



Pack	Cat. Nos. 2 comp	Cat. Nos. 3 comp	
1	AFS261	AFS361	150 x 25 mm
1	AFS265	AFS365	150 x 38 mm
1		AFS391	225 x 25 mm
1		AFS395	225 x 38 mm

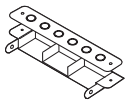
Spare connector set



Pack	Cat. Nos.	
1	AFS3611	150 mm wide
1	AFS3911	225 mm wide

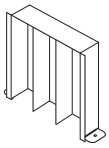
90° riser bend

Supplied with screeding cover
Provides conduit entry with 20 mm knockouts



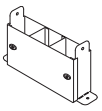
Pack	Cat. Nos. 2 comp	Cat. Nos. 3 comp	
1	AFS2613	AFS3613	150 x 25 mm
1	AFS2653	AFS3653	150 x 38 mm
1		AFS3913	225 x 25 mm
1		AFS3953	225 x 38 mm

Back entry skirting adaptor



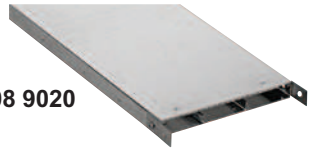
Pack	Cat. Nos.	
1	AFSS FSK S	To complete the Cat. No. specify : F = shallow flush floor trunking size code S = skirting trunking height in inches Example : AFSS 361 SK6

Cable trunking adaptor



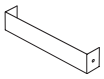
Pack	Cat. Nos.	
1	AFST F T	Supplied with turnbuckle fix lid To complete the Cat. No. specify : F = shallow flush floor trunking size code T = standard cable trunking Cat. No. Example : AFST 361 MGR623C

Shallow flush floor trunking can be supplied in different widths and depths
Contact us on +44 (0) 370 608 9020



Shallow flush floor trunking (continued)

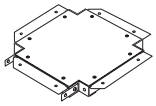
End cap



Pack	Cat. Nos.	
1	AFS2615	150 x 25 mm
1	AFS2655	150 x 38 mm
1	AFS3915	225 x 25 mm
1	AFS3955	225 x 38 mm

Junction box

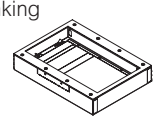
Supplied with connections and blanking plates
Can be configured as a fourway, tee, bend or straight through connector box



Pack	Cat. Nos. 2 comp	Cat. Nos. 3 comp	
1	AFS2614	AFS3614	150 x 25 mm
1	AFS2654	AFS3654	150 x 38 mm
1		AFS3914	225 x 25 mm
1		AFS3954	225 x 38 mm

Service outlet base boxes

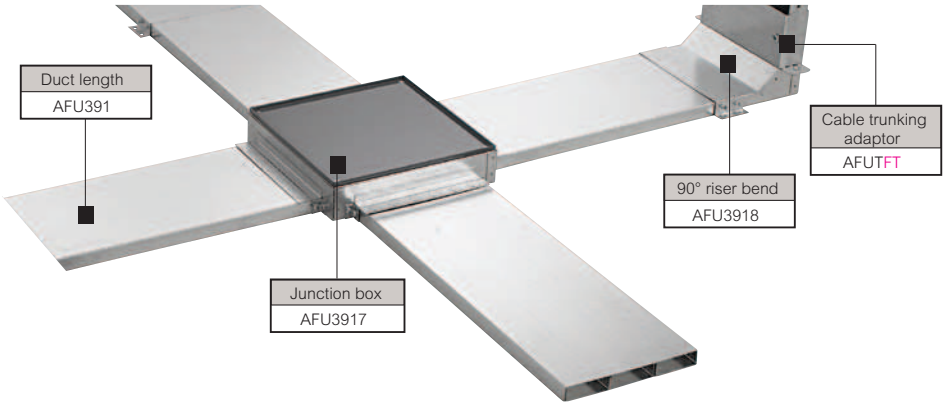
Service outlet base boxes are supplied empty
Service outlet boxes are 65 mm deep
Due to shallow depth of trunking, box locations need to be defined and recessed locally before installation
To complete the system, the outlet base box requires outlet plates, lid and trim
Outlet plates, lids and trims ordered separately, (see p. 64)



Pack	Cat. Nos. 2 comp	Cat. Nos. 3 comp	
1	AFS2BB261	AFS3BB361	To suit 150 x 25 mm trunking
1	AFS2BB265	AFS3BB365	To suit 150 x 38 mm trunking
1		AFS3BB391	To suit 225 x 25 mm trunking
1		AFS3BB395	To suit 225 x 38 mm trunking

Pack	Cat. Nos. 4 comp	
1	AFS4BB261	To suit 150 x 25 mm trunking
1	AFS4BB265	To suit 150 x 38 mm trunking
1	AFS4BB361	To suit 150 x 25 mm trunking
1	AFS4BB365	To suit 150 x 38 mm trunking
1	AFS4BB391	To suit 225 x 25 mm trunking
1	AFS4BB395	To suit 225 x 38 mm trunking

All trims for service outlet boxes can be ABS, stainless steel, brass or powder coated any colour **p. 64**



Screed floor outlet boxes selection chart **p. 62-63**
Dimensions and technical information **p. 68**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10346
Standard length : 2·0 m. Standard lid thickness : 1·0 mm
Each 2 m length is supplied with 2 saddle clamps and screws
Duct to floor fixings are not supplied

Underfloor duct

Pack	Cat. Nos. 2 comp	Cat. Nos. 3 comp	
			Duct length – 2 m
1	AFU261	AFU361	150 x 25 mm
1	AFU265	AFU365	150 x 38 mm
1		AFU391	225 x 25 mm
1		AFU395	225 x 38 mm
1		AFU311	300 x 25 mm
1		AFU315	300 x 38 mm
			Spare saddle clamp
1	AFU2612		150 x 25 mm
1	AFU2652		150 x 38 mm
1	AFU3912		225 x 25 mm
1	AFU3952		225 x 38 mm
1	AFU3112		300 x 25 mm
1	AFU3152		300 x 38 mm
			90° flat bend
1	AFU2613	AFU3613	150 x 25 mm
1	AFU2653	AFU3653	150 x 38 mm
1		AFU3913	225 x 25 mm
1		AFU3953	225 x 38 mm
1		AFU3113	300 x 25 mm
1		AFU3153	300 x 38 mm
			90° riser bend
			Supplied with screeding cover Provides conduit entry with 20 mm knockouts
1	AFU2618	AFU3618	150 x 25 mm
1	AFU2654	AFU3654	150 x 38 mm
1		AFU3918	225 x 25 mm
1		AFU3954	225 x 38 mm
1		AFU3118	300 x 25 mm
1		AFU3154	300 x 38 mm
			Back entry skirting adaptor
1	AFUS F SK S		To complete the Cat. No. specify : F = underfloor duct size code S = skirting trunking height in inches Example : AFUS 391 SK6
			Cable trunking adaptor
1	AFUT F T		Supplied with turnbuckle fix lid To complete the Cat. No. specify : F = underfloor duct size code T = standard cable trunking Cat. No. Example : AFUT 395 MGR623C

Underfloor duct (continued)

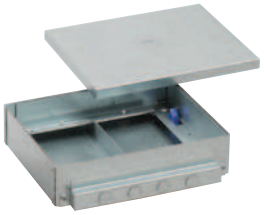
Pack	Cat. Nos. 2 comp	Cat. Nos. 3 comp	
			End cap
1	AFU2615		150 x 25 mm
1	AFU2655		150 x 38 mm
1	AFU3915		225 x 25 mm
1	AFU3955		225 x 38 mm
1	AFU3115		300 x 25 mm
1	AFU3155		300 x 38 mm
			Junction box
			Can be configured as a fourway, tee, bend or straight through connector box When using with a conduit system, select junction box depending on conduit size For 20 mm conduit use junction box that would suit a 25 mm ducting For 25 mm conduit use junction box that would suit a 38 mm ducting
			To suit screed 65 mm to 80 mm deep
1	AFU2617	AFU3617	150 x 25 mm
1		AFU3917	225 x 25 mm
1		AFU3117	300 x 25 mm
			To suit screed 75 mm to 90 mm deep
1	AFU2656	AFU3656	150 x 38 mm
1		AFU3956	225 x 38 mm
1		AFU3156	300 x 38 mm

Underfloor duct can be supplied in other widths, depths and compartment configurations to special order
Contact us on +44 (0) 370 608 9020

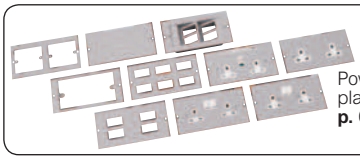
commercial floor trunking systems

underfloor duct (continued)

Service outlet box 2 compartment
AFU2CON78



Service outlet box 3 compartment
AFU3CON78

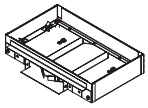


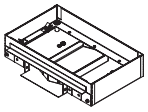
Power and data plates available **p. 64**

Screed floor outlet boxes selection chart **p. 62-63**
Dimensions and technical information **p. 68**
Installation details **p. 69**

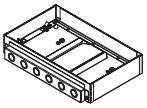
Body and lid manufactured from pre-galvanised sheet steel to BS EN 10346
Standard length : 2·0 m. Standard lid thickness : 1·0 mm
Each 2 m length is supplied with 2 saddle clamps and screws
Duct to floor fixings are not supplied

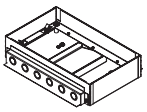
Pack	Cat. Nos.	In-screed service outlet base boxes
		Service outlet base boxes are supplied empty To complete the system, the outlet base box requires outlet plates, lid and trim Outlet plates, lids and trims ordered separately, (see p. 64) Use a 2 or 4 compartment service outlet box with 2 compartment duct 2 compartment box can only be used with 150 mm wide ducting
		To fit 25 mm deep ducting
		To suit screed 65 mm to 80 mm deep
1	AFU2BB78	2 compartment to suit 25 mm shallow ducting
1	AFU3BB78	3 compartment to suit 25 mm shallow ducting
1	AFU4BB78	4 compartment to suit 25 mm shallow ducting
		To fit 38 mm deep ducting
		To suit screed 75 mm to 90 mm deep
1	AFU2BB90	2 compartment box to suit 38 mm deep ducting
1	AFU3BB90	3 compartment box to suit 38 mm deep ducting
1	AFU4BB90	4 compartment box to suit 38 mm deep ducting





Pack	Cat. Nos.	In-screed service outlet base boxes (continued)
		20 mm conduit fed
		To suit screed 65 mm to 80 mm deep
1	AFU1CON78	1 compartment box to suit 20 mm conduit
1	AFU2CON78	2 compartment box to suit 20 mm conduit
1	AFU3CON78	3 compartment box to suit 20 mm conduit
1	AFU4CON78	4 compartment box to suit 20 mm conduit
		25 mm conduit fed
		To suit screed 75 mm to 90 mm deep
1	AFU1CON90	1 compartment box to suit 25 mm conduit
1	AFU2CON90	2 compartment box to suit 25 mm conduit
1	AFU3CON90	3 compartment box to suit 25 mm conduit
1	AFU4CON90	4 compartment box to suit 25 mm conduit

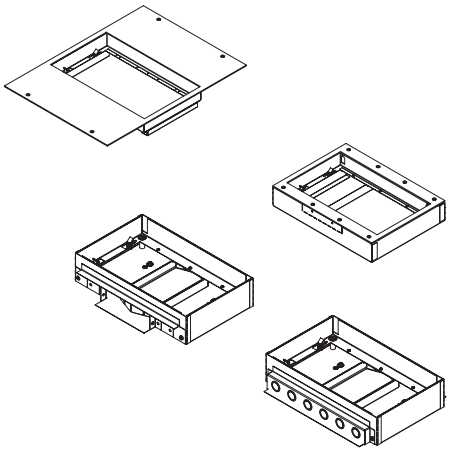
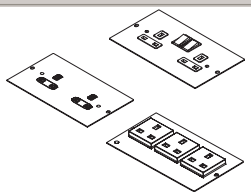
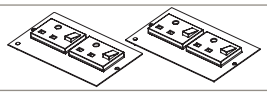
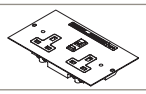
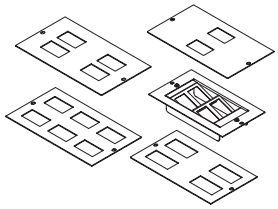
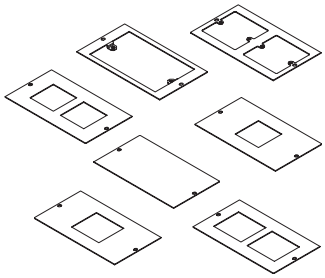




All trims for service outlet boxes can be ABS, stainless steel, brass or powder coated any colour **p. 64**

screed floor service outlet boxes

selection chart

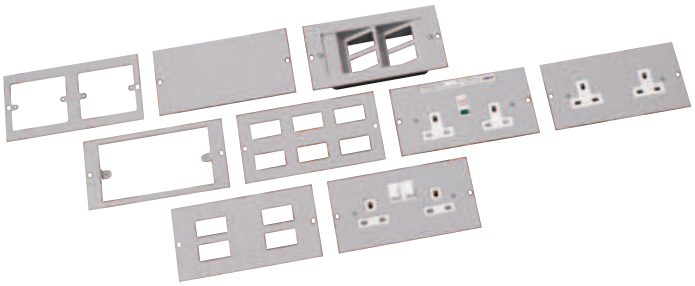
No. of compartments	
Floor box base	
System type 	Flush floor trunking
	Shallow flush floor trunking 150 x 25 mm – 2 compartment
	Shallow flush floor trunking 150 x 38 mm – 2 compartment
	Shallow flush floor trunking 150 x 25 mm – 3 compartment
	Shallow flush floor trunking 150 x 38 mm – 3 compartment
	Shallow flush floor trunking 225 x 25 mm – 3 compartment
	Shallow flush floor trunking 225 x 38 mm – 3 compartment
	Screed floor box to suit shallow 25 mm ducting
	Screed floor box to suit deep 38 mm ducting
	Screed floor box to suit 20 mm conduit
	Screed floor box to suit 25 mm conduit
Outlet plates	
13 A standard 	13 A twin switched socket plate
	13 A twin unswitched socket plate
	13 A twin switched clean earth socket plate
	13 A triple unswitched socket plate
	13 A triple unswitched clean earth socket plate
13 A non-standard 	13 A twin NS switched socket plate
	13 A twin NS switched clean earth socket plate
RCD 30 mA passive 	2 gang RCD socket plate[1]
	2 gang RCD socket plate - clean earth[1]
Data 	37 x 22 mm – 2 cut-out plate
	37 x 22 mm – 4 cut-out plate
	37 x 22 mm – 4 cut-out wave plate[1]
	37 x 22 mm – 6 cut-out plate
	47·5 x 23·5 mm – 4 cut-out plate
General 	2 x standard single outlet 60·3 mm
	Standard 2 gang outlet plate 120·6 mm
	51 x 51 mm – 1 cut-out plate
	51 x 51 mm – 2 cut-out plate
	Blank plate
	58 x 53·5 mm – 1 cut-out plate to accept Arteor mounting frame[2]
	58 x 53·5 mm – 2 cut-out plate to accept 2 x Arteor mounting frames[2]
Lids and trims	
	ABS with carpet trim – 6 mm recess
	Combination with edge trim – 6 mm recess
	Metal, powder coated with carpet trim – 8 mm recess (RAL 7024)
	Metal, powder coated with edge trim – 8 mm recess (RAL 7024)
	Stainless steel with carpet trim – 8 mm recess (Satin)
	Stainless steel with edge trim – 8 mm recess (Satin)
	Brass with carpet trim – 8 mm recess (Polished)
	Brass with edge trim – 8 mm recess (Polished)

1 : Due to overall depth, these items will NOT fit in the flush floor and shallow flush floor ranges (Cat. Nos. FFO and AFS). When using with underfloor duct systems (Cat. No. AFU) the outlet box must be raised by 8 mm from the lowest point to allow for wiring
2 : For Arteor mounting frames, refer to the latest Wiring Devices catalogue

	1 compartment	2 compartment	3 compartment	4 compartment
	–	–	FFO3BB	FFO4BB
	–	AFS2BB261	–	AFS4BB261
	–	AFS2BB265	–	AFS4BB265
	–	–	AFS3BB361	AFS4BB361
	–	–	AFS3BB365	AFS4BB365
	–	–	AFS3BB391	AFS4BB391
	–	–	AFS3BB395	AFS4BB395
	–	AFU2BB78	AFU3BB78	AFU4BB78
	–	AFU2BB90	AFU3BB90	AFU4BB90
	AFU1CON78	AFU2CON78	AFU3CON78	AFU4CON78
	AFU1CON90	AFU2CON90	AFU3CON90	AFU4CON90
	SP3201	SP3201	SP3201	SP4201
	SP3200	SP3200	SP3200	SP4200
	SP3211	SP3211	SP3211	SP4211
	SP3300	SP3300	SP3300	SP4300
	SP3310	SP3310	SP3310	SP4310
	SP3221	SP3221	SP3221	SP4221
	SP3231	SP3231	SP3231	SP4231
	SP3202	SP3202	SP3202	SP4202
	SP3212	SP3212	SP3212	SP4212
	SP3203	SP3203	SP3203	SP4203
	SP3403	SP3403	SP3403	SP4403
	SP3404	SP3404	SP3404	SP4404
	SP3603	SP3603	SP3603	SP4603
	SP3408	SP3408	SP3408	SP4408
	SP3205	SP3205	SP3205	–
	SP3105	SP3105	SP3105	–
	SP3106	SP3106	SP3106	SP4106
	SP3206	SP3206	SP3206	SP4206
	SP3000	SP3000	SP3000	SP4000
	SP3107	SP3107	SP3107	SP4107
	SP3207	SP3207	SP3207	SP4207
	–	FBL2ABS	FBL3ABS	FBL3ABS
	–	FBL2COM	FBL3COM	FBL3COM
	FBL1MCT	FBL2MCT	FBL3MCT	FBL3MCT
	FBL1MET	FBL2MET	FBL3MET	FBL3MET
	FBL1SCT	FBL2SCT	FBL3SCT	FBL3SCT
	FBL1SET	FBL2SET	FBL3SET	FBL3SET
	FBL1BCT	FBL2BCT	FBL3BCT	FBL3BCT
	FBL1BET	FBL2BET	FBL3BET	FBL3BET

outlet plates for floor trunking

power and data



Screed floor outlet boxes selection chart **p. 62-63**
Installation details **p. 30**

Plates to fit 1, 2 and 3 compartment boxes are all 100 mm wide
Plates to fit 4 compartment boxes are 75 mm wide
Non-standard sockets have a round earth pin
Due to overall depth, RCD sockets and wave type data plates will NOT fit in the flush floor and shallow flush floor ranges (Cat. Nos. FFO/AFS).
When using with underfloor duct systems (Cat. No. AFU) the outlet box must be raised by 8 mm from the lowest point to allow for wiring

Power and data plates

Pack	Cat. Nos. 1, 2, 3 comp. 100 mm wide	Cat. Nos. 4 comp. 75 mm wide	
			13 A standard socket plates
1	SP3201	SP4201	Twin switched
1	SP3200	SP4200	Twin unswitched
1	SP3211	SP4211	Twin switched – clean earth
1	SP3300	SP4300	Triple unswitched
1	SP3310	SP4310	Triple unswitched – clean earth
			13 A non-standard socket plates
1	SP3221	SP4221	Twin NS switched
1	SP3231	SP4231	Twin NS switched – clean earth
			RCD socket plates
			Double pole 30 mA passive will not trip in event of power failure. Eliminating need to manually reset all units after power failure
1	SP3202	SP4202	2 gang
1	SP3212	SP4212	2 gang – clean earth
			Data plates
1	SP3203	SP4203	37 x 22 mm – 2 cut-outs
1	SP3403	SP4403	37 x 22 mm – 4 cut-outs
1	SP3404	SP4404	37 x 22 mm – 4 cut-outs (wave plate)
1	SP3603	SP4603	37 x 22 mm – 6 cut-outs
1	SP3408	SP4408	47·5 x 23·5 mm – 4 cut-outs
			General
1	SP3205	-	2 x standard single outlet 60·3 mm
1	SP3105	-	Standard 2 gang outlet plate 120·6 mm
1	SP3106	SP4106	51 x 51 mm – 1 cut-out plate
1	SP3206	SP4206	51 x 51 mm – 2 cut-out plate
1	SP3000	SP4000	Blank plate
1	SP3107	SP4107	58 x 53·5 mm – 1 cut-out plate to accept Arteor mounting frame (Cat. No. 576016)[1]
1	SP3207	SP4207	58 x 53·5 mm – 2 cut-outs plate to accept 2 x Arteor mounting frames (Cat. No. 576016)[1]
			Fasteners
50	SPSCREW		M3·5 x 6 spare socket plate screws

1 : For Arteor mounting frames, refer to the latest Wiring Devices catalogue

lids and trims for floor trunking

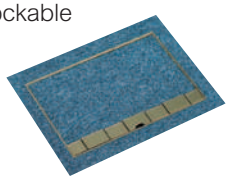
Screed floor outlet boxes selection chart **p. 62-63**
Installation details **p. 30**

Moulded lids and trims are manufactured from durable ABS and feature a quick fit / release ratchet system
ABS lid and trim versions are supplied with 6 mm carpet recess
Metal lid and trim versions are supplied with 8 mm recess
Metal trim versions are powder coated grey RAL7024 matt as standard
Stainless steel is satin finish as standard
Brass is polished finish as standard

Floor box lids and trims

Pack	Cat. Nos. 1 comp.	Cat. Nos. 2 comp.	
			1 and 2 compartment
			Carpet trim
1	–	FBL2ABS	ABS
1	FBL1MCT	FBL2MCT	Metal – grey (RAL 7024)
1	FBL1SCT	FBL2SCT	Stainless steel (Satin)
1	FBL1BCT	FBL2BCT	Brass (Polished)
			Edge trim
1	–	FBL2COM	ABS lid/metal trim (ABS/grey)
1	FBL1MET	FBL2MET	Metal – grey (RAL 7024)
1	FBL1SET	FBL2SET	Stainless steel (Satin)
1	FBL1BET	FBL2BET	Brass (Polished)
			3 and 4 compartment
			Carpet trim
1	FBL3ABS		ABS
1	FBL3MCT		Metal – grey (RAL 7024)
1	FBL3SCT		Stainless steel (Satin)
1	FBL3BCT		Brass (Polished)
			Edge trim
1	FBL3COM		ABS lid/metal trim (ABS/grey)
1	FBL3MET		Metal – grey (RAL 7024)
1	FBL3SET		Stainless steel (Satin)
1	FBL3BET		Brass (Polished)

Metal lids and trims can be powder coated to any RAL reference. Other options, such as lockable lids, are available to special order
Contact us on +44 (0) 370 608 9020



commercial floor trunking systems

flush lid floor trunking

Dimensions and technical information **p. 67**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10346
Standard length : 2·0 m body / 500 mm lid
Standard lid thickness : 2·5 mm
Supplied complete with all necessary connectors and screws
Internal dividers are fitted on all trunking lengths 225 mm and above to provide lid support
Service outlet boxes are not available for this range

Pack	Cat. Nos.	Flush lid floor trunking
		Trunking length – 2 m
1	FF42	100 x 50 mm
1	FF63	150 x 75 mm
1	FF124	300 x 100 mm
		90° riser bend
		Supplied with screeding cover Provides conduit entry with 20 mm knockouts
1	FFRB42	100 x 50 mm
1	FFRB63	150 x 75 mm
1	FFRB124	300 x 100 mm
		End stop
1	FFEB42	100 x 50 mm
1	FFEB63	150 x 75 mm
1	FFEB124	300 x 100 mm
		Junction box
		Supplied with connectors and blanking plates To be configured as a fourway, tee, bend or straight through connector box
1	FFI42	100 x 50 mm
1	FFI63	150 x 75 mm
1	FFI124	300 x 100 mm

commercial floor trunking systems

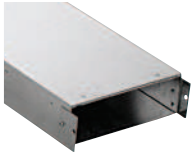
recessed lid floor trunking

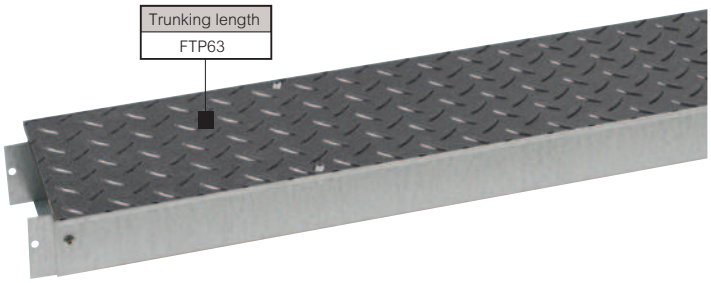
Dimensions and technical information **p. 67**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10346
Standard length : 2·0 m body / 500 mm lid
Standard lid thickness : 2·5 mm
Lid recess : 3·5 mm
Supplied complete with all necessary connectors and screws
Internal dividers are fitted on all trunking lengths 225 mm and above to provide lid support
Service outlet boxes are not available for this range

Pack	Cat. Nos.	Recessed lid floor trunking
		Trunking length – 2 m
1	FRL42	100 x 50 mm
1	FRL63	150 x 75 mm
1	FRL124	300 x 100 mm
		90° riser bend
		Supplied with screeding cover Provides conduit entry with 20 mm knockouts
1	FRLRB42	100 x 50 mm
1	FRLRB63	150 x 75 mm
1	FRLRB124	300 x 100 mm
		End stop
1	FRLEB42	100 x 50 mm
1	FRLEB63	150 x 75 mm
1	FRLEB124	300 x 100 mm
		Junction box
		Supplied with connectors and blanking plates To be configured as a fourway, tee, bend or straight through connector box
1	FRLI42	100 x 50 mm
1	FRLI63	150 x 75 mm
1	FRLI124	300 x 100 mm

Flush lid and recessed lid floor trunking can be supplied in other widths, depths and compartment configurations to special order
Contact us on +44 (0) 370 608 9020

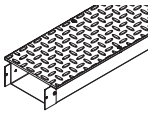


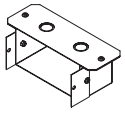


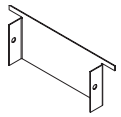
Dimensions and technical information **opposite**
Installation details **p. 69**

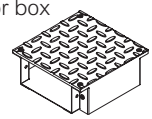
Body manufactured from pre-galvanised sheet steel to BS EN 10346
Lid manufactured from mild steel, powder coated grey 18B25
Other colours available to special order
Standard lengths : body 2·0 m, lid 1·0 m
Standard lid thickness : 6·5 mm
Chequer plate floor trunking is available in single compartment as standard complete with lid, all necessary connectors and screws
Internal dividers are fitted on all trunking lengths 225 mm and above to provide lid support
Service outlet boxes are not available for this range

Pack	Cat. Nos.	Chequer plate floor trunking
		Trunking length – 2 m
1	FTP42	100 x 50 mm
1	FTP63	150 x 75 mm
1	FTP124	300 x 100 mm
		90° riser bend
		Supplied with screeding cover Provides conduit entry with 20 mm knockouts
1	FTPRB42	100 x 50 mm
1	FTPRB63	150 x 75 mm
1	FTPRB124	300 x 100 mm
		End stop
1	FTPEB42	100 x 50 mm
1	FTPEB63	150 x 75 mm
1	FTPEB124	300 x 100 mm
		Junction box
		Supplied with connectors and blanking plates To be configured as a fourway, tee, bend or straight through connector box
1	FTPI42	100 x 50 mm
1	FTPI63	150 x 75 mm
1	FTPI124	300 x 100 mm

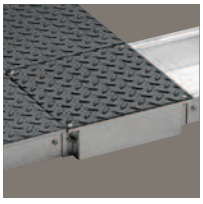




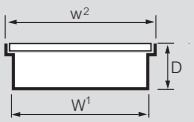




Chequer plate floor trunking can be supplied in other widths, depths and compartment configurations to special order
Contact us on +44 (0) 370 608 9020



Chequer plate floor trunking

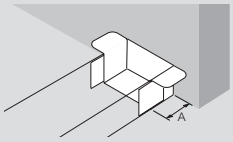


W¹ = Overall trunking width
D = Overall trunking depth
w² = Overall width including trunking lid

Cat. No.	W¹	D	w²
FTP42	100	50	150
FTP63	150	75	200
FTP124	300	100	350

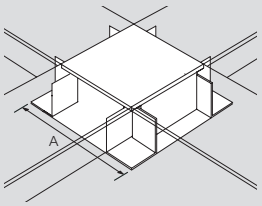
90° riser bends

Duct depth	A
50	50
75	75
100	100

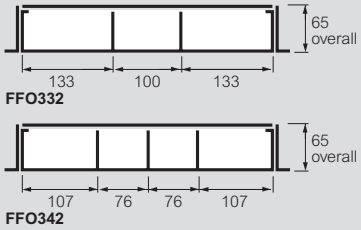


Junction box

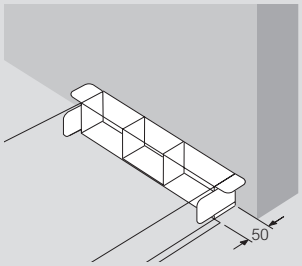
Trunking width	A
100	150
150	200
300	350



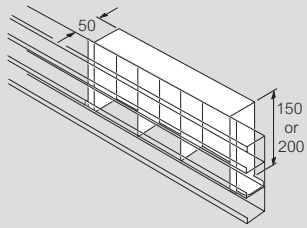
Flush floor trunking



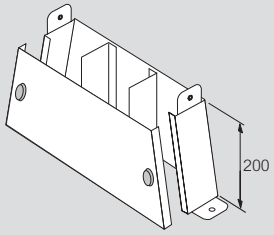
90° riser bends



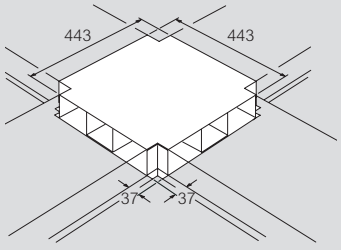
Back entry skirting adaptor



Cable trunking adaptors



Junction box



Service outlet boxes

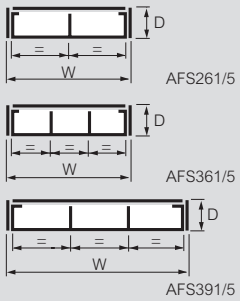
Reduced cabling area when fitting service outlet box

All dimensions (mm) are nominal

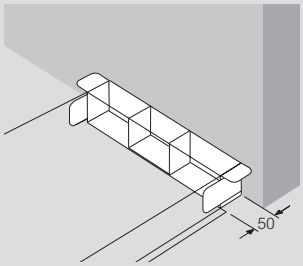
Shallow flush floor trunking

Cat. No.	W	D
AFS261	155	25
AFS265	155	38
AFS361	155	25
AFS365	155	38
AFS391	230	25
AFS395	230	38

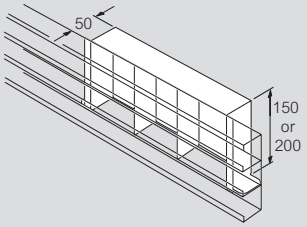
W = Overall trunking width
D = Overall trunking depth



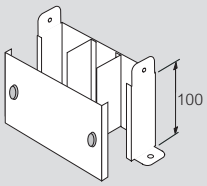
90° riser bends



Back entry skirting adaptor



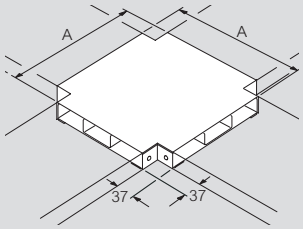
Cable trunking adaptors



Junction box

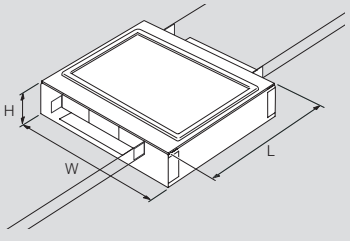
Trunking width	A
150	223
225	298

A = Trunking end to end



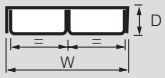
Service outlet boxes

Compartment	W	L	H
2C	297	274	65
3C	372	274	65
4C	372	274	65

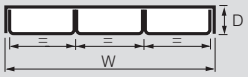


Underfloor duct

Cat. No.	W	D
AFU261	150	25
AFU265	150	38



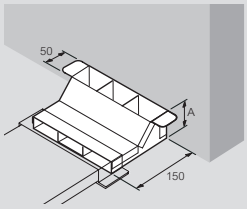
Cat. No.	W	D
AFU361	150	25
AFU365	150	38
AFU391	225	25
AFU395	225	38
AFU311	300	25
AFU315	300	38



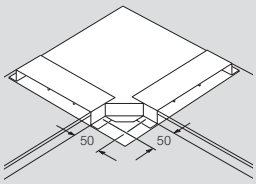
W = Overall ducting width
D = Overall ducting depth

90° riser bends

Duct depth	A
25	65
38	75



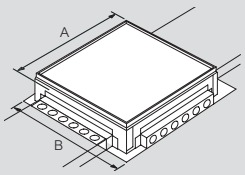
90° flat bends



Junction box

Shallow junction box to suit 25 mm duct / 20 mm conduit		
Junction box trunking width	A	B
150	300	336
225	300	336
300	375	411

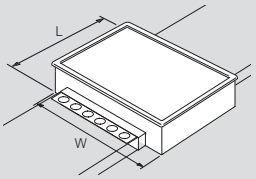
Deep junction Box to suit 38 mm duct / 25 mm conduit		
Junction box trunking width	A	B
150	300	336
225	300	362
300	375	411

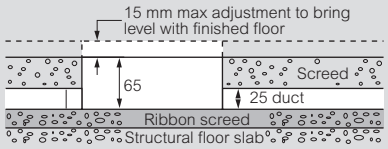


All dimensions (mm) are nominal

Service outlet box

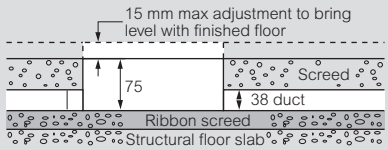
Compartment	W	L
1C	175	245
2C	275	245
3C	350	245
4C	350	245





65-80 mm
AFU2CON78
AFU3CON78
AFU4CON78
AFU2BB78
AFU3BB78
AFU4BB78

Using a 25 mm deep duct, junction boxes and service outlet boxes provide conduit entry with 20 mm knockouts only, and are adjustable from 65 to 80 mm deep



75-90 mm
AFU2CON90
AFU3CON90
AFU4CON90
AFU2BB90
AFU3BB90
AFU4BB90

Using a 38 mm deep duct, junction boxes and service outlet boxes provide conduit entry with 20/25 mm combination knockouts and are adjustable from 75 to 90 mm deep

Loading data

Load tests carried out to two standards BS EN (IEC) 61534 and BS EN (IEC) 50085
All tests performed in accordance to the above standards with boxes fitted with plastic lid and carpet trim assembly

Floor box – 1 & 2 compartment :

Small area (point load[1]) – 1·5 kN
Large area (plate[2]) – 3·0 kN

Large Floor Box – 3 & 4 compartment :

Small area (point load[1]) – 1·0 kN
Large area (plate[2]) - 3·0 kN

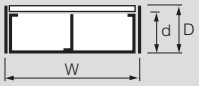
1 : Point load test = 13·3 mm diameter
2 : Plate load test = 130·0 mm diameter

Flush lid and recessed lid floor trunking

Flush lid

Cat. No.	W	D	d
FF42	102·5	50	47·5
FF63	152·5	75	72·5
FF124	302·5	100	97·5

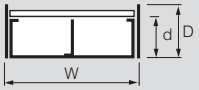
W = Overall trunking width
d = Depth to underside of trunking lid
D = Overall trunking depth



Recessed lid

Cat. No.	W	D	d
FRL42	102·5	50	44
FRL63	152·5	75	69
FRL124	302·5	100	94

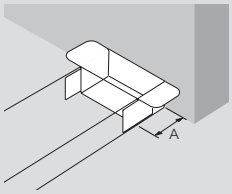
W = Overall trunking width
d = Depth to underside of trunking lid
D = Overall trunking depth



90° riser bends

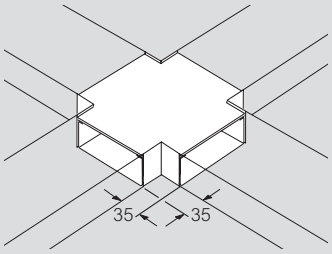
For flush lid and recessed lid floor trunking

Duct depth	A
50	50
75	75
100	100



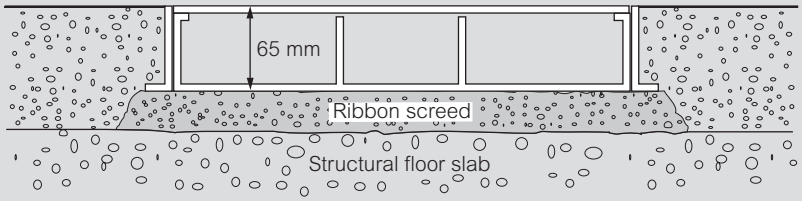
Junction box

For flush lid and recessed lid floor trunking

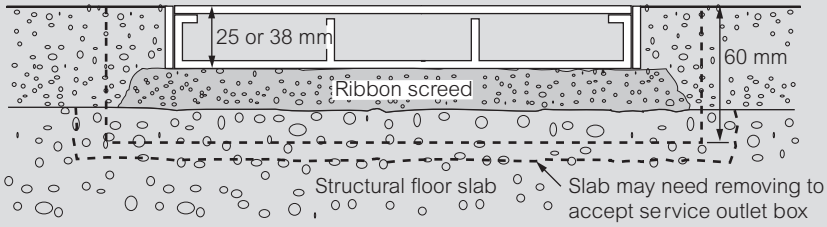


Installation details

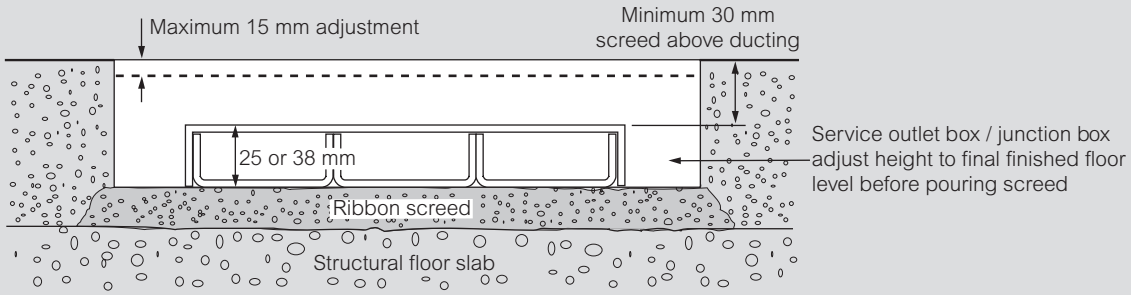
Flush floor trunking in screeded floor



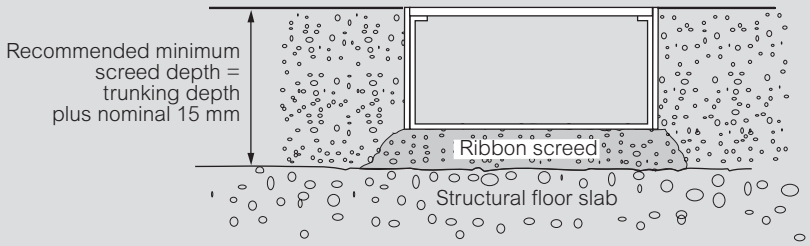
Shallow flush floor trunking in screeded floor



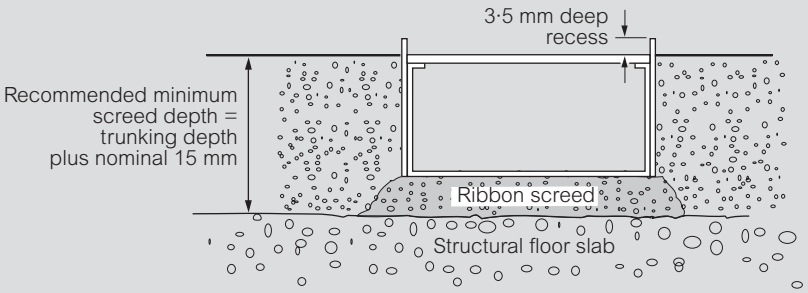
Underfloor duct in screeded floor



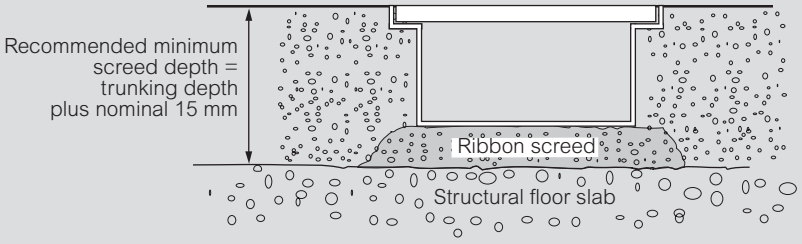
Flush lid floor trunking in screeded floor



Recessed lid floor trunking in screeded floor



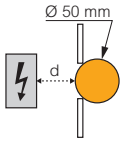
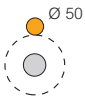
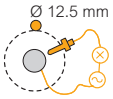
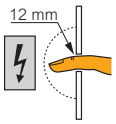
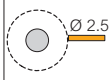
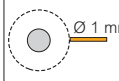
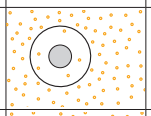
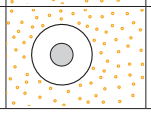
Chequer plate floor trunking in screeded floor

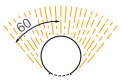
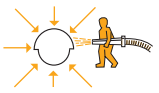
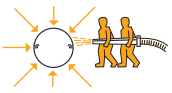
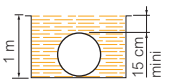
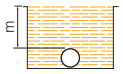


Protection classifications

Protection against solid bodies and liquids : Index of protection - IP xx

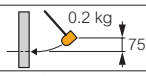
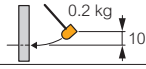
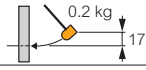
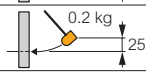
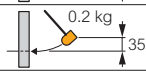
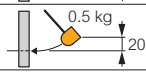
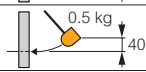
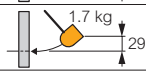
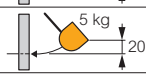
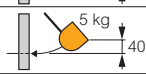
Degree of protection of enclosures of electrical equipment in accordance with standards IEC 60529, BS EN 60529
Up to 1 000 V~ and 1 500 V⎓

1st digit: protection against solid bodies			Additional letter IP XX (ABCD): protection against direct contact resulting from the access to hazardous current-carrying parts		
IP	tests		IP	tests	protection
0		No protection	A		The back of the hand remains remote from dangerous parts
1		Protected against solid bodies larger than 50 mm			
2		Protected against solid bodies larger than 12.5 mm	B		The dangerous parts can not be touched when introducing a finger
3		Protected against solid bodies larger than 2.5 mm	C		The dangerous parts can not be touched when introducing a tool (eg a screwdriver)
4		Protected against solid bodies larger than 1 mm	D		The dangerous parts can not be touched when introducing a wire
5		Protected against dust (no harmful deposit)			
6		Completely protected against dust			

2nd digit: protetion against liquids		
IP	tests	
0		No protection
1		Protected against vertically-falling drops of water (condensation)
2		Protected against drops of water falling at up to 15° from the vertical
3		Protected against drops of rain water at up to 60° from the vertical
4		Protected against projections of water from all directions
5		Protected against jets of water from all directions
6		Protected against jets of water of similar force to heavy seas
7		Protected against the effects of immersion
8		Protected against prolonged effects of immersion under presure

Protection against mechanical impact : Index of protection - IK

According to standards IEC 62262 and BS EN 62262

IK	Tests	Impact energy (in Joules)
IK 00		0
IK 01		0.15
IK 02		0.2
IK 03		0.35
IK 04		0.5
IK 05		0.7
IK 06		1
IK 07		2
IK 08		5
IK 09		10
IK 10		20

(1) A product previously classed as IP xx-7 can be assumed to fulfill the conditions of an IP xx - IK 08

This table can be used to ascertain the resistance of a product to an impact given in Joules from the IK code (graduated from 00 to 10).
It can also be used to ascertain the correspondence with the old IP code 3rd digit and the corresponding external “Ag” conditions.

The contents of the Protection Classifications charts are for guidance only. If you have any doubt as to the interpretation of the information contained therein, please refer either to the standard itself or contact Legrand.

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Statement to Purchasers and Prospective Purchasers

1. Section 6 of this Act provides that manufacturers, designers, importers or suppliers of articles for use at work have a duty to ensure so far as is reasonably practical, that the article will be safe and without risk to health when properly used. An article is not regarded as being ‘properly used’ if it is used without regard to any relevant information or advice relating to its use made available by the manufacturer, designer, importer or supplier.

2. With regard to these provisions the following is given as a guide to the information which is readily available to you. This information relates to those products detailed in our catalogue(s) or associated literature or may be obtained by specific request to the Company.

3. All products should be installed and maintained in accordance with good engineering practice and relevant British or other applicable standards, regulations for the installation of equipment by the Institute of Electrical Engineers or any other applicable Codes of Practice.

Health and Safety at Work Act

The Electricity at Work Regulations, 1989

1. All installations and maintenance should be carried out within the provision of the above Act and by persons so qualified as defined in the Act.

2. Information and advice on the suitability of our products can be obtained from Legrand Electric Limited on specific request.

For information concerning wiring device standards outside the UK contact :

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Contact details

United Kingdom
Great King Street North,
Birmingham, B19 2LF

Customer Services:
Tel: +44 (0) 345 605 4333 Fax: +44 (0) 345 605 4334
E-mail: legrand.sales@legrand.co.uk

Quotations and Technical Support
Tel: +44 (0) 345 608 9020 Fax: +44 (0) 345 605 5334
E-mail: uk-cmsales@legrand.co.uk

Republic of Ireland:
Tel: 01 295 9673 Fax: 01 295 4671
E-mail: legrand.sales@legrand.co.uk

legrand®

Head office (UK and Ireland):
Legrand Electric Limited
Great King Street North, Birmingham, B19 2LF
Tel: +44 (0) 370 608 9000 Fax: +44 (0) 370 608 9004
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