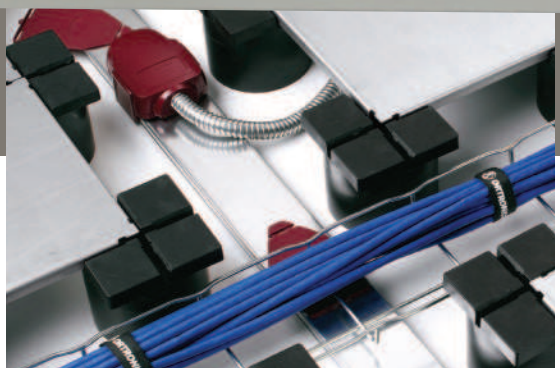
# FLOOR AND PERIMETER SYSTEMS

## PRODUCT TECHNICAL GUIDE





THE **GLOBAL SPECIALIST**
IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES

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
- Floor systems - including powertrack, underfloor trunking, floor boxes, grommets and the Soluflex cavity floor system













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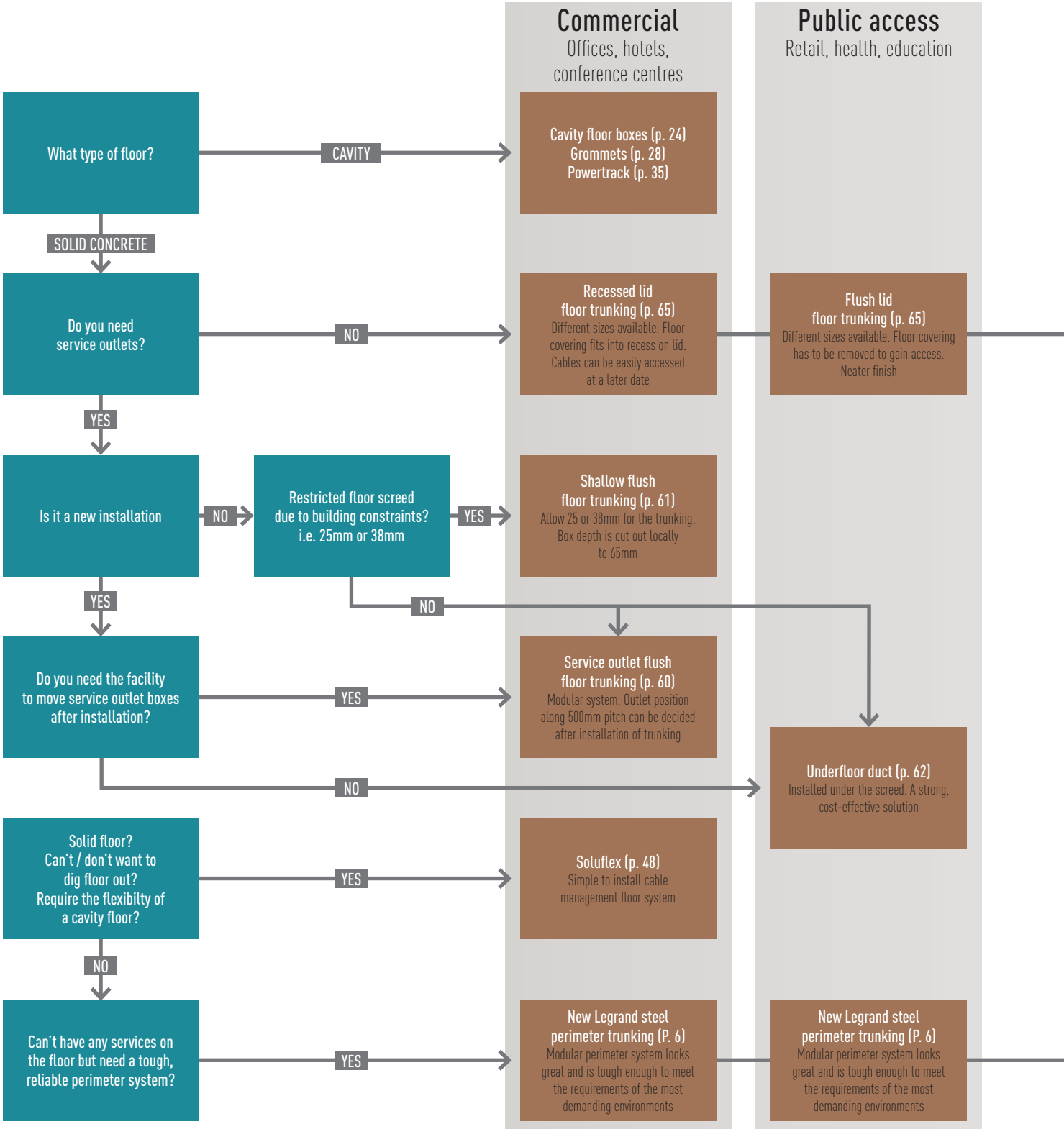
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# 3 simple steps... to choose the right solution



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

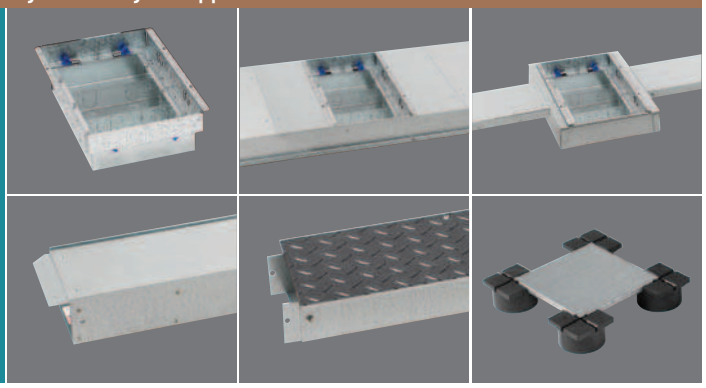
The flowchart below guides you to the most suitable system for your project. If traditional floor systems are struggling to meet your requirements, Soluflex provides the simple answer to a myriad of challenges.

## Industrial

Warehousing,
heavy duty infrastructure

### Choose the correct system for your application

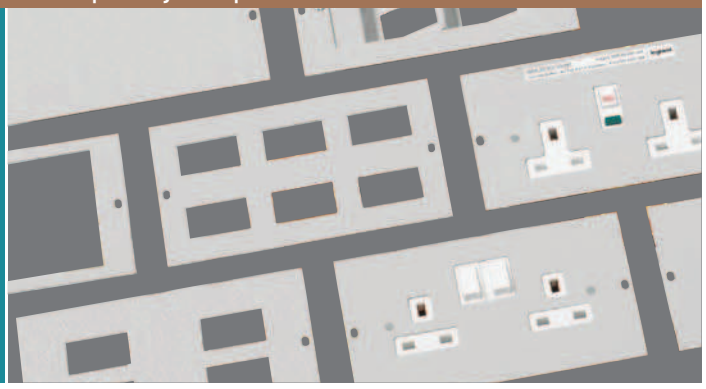
1



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

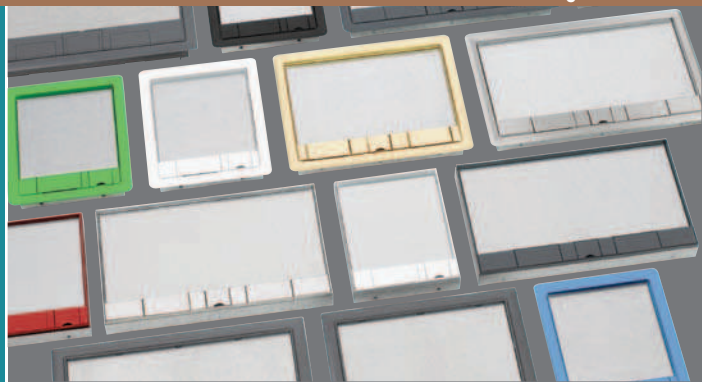
### Select the power and data plates you require

2



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

3



**New Legrand steel perimeter trunking (P. 6)**
Modular perimeter system looks great and is tough enough to meet the requirements of the most demanding environments

# NEW STEEL PERIMETER TRUNKING

Legrand's new 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.




**NEW 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**





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



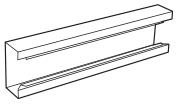
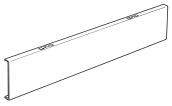
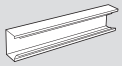
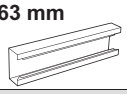
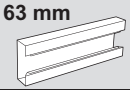
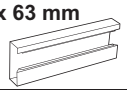
A range of wiring accessories can be added to the trunking, including Legrand's Synergy and Arteor ranges

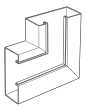
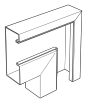
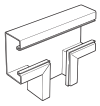
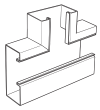
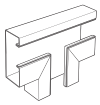
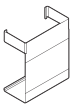
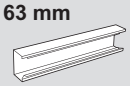
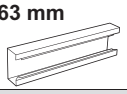
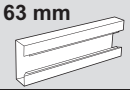
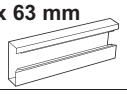


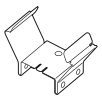
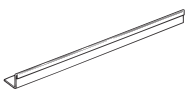
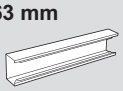
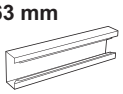
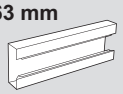
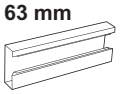
The rolled edge on the trunking opening and divider reduces the risk of injury or damage to cables when installing the trunking

# steel perimeter trunking selection chart

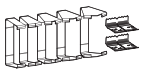
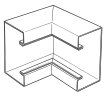
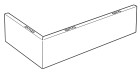
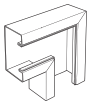
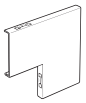
**110 x 63 mm / 130 x 63 mm / 170 x 63 mm / 170A x 63 mm**

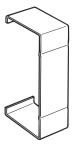
| Type | Trunking body<br><br>Length 3 m<br>Pack quantity: 2 lengths[1] | Lid<br><br>Length 1·5 m | Accessory spacer lid<br><br>Length 100 mm | Couplers[2] (Supplied in pairs)<br> |
|---|---|---|---|---|
| 110 x 63 mm  | MP351243 | MP351230 | MP351220 | MP351523 |
| 130 x 63 mm  | MP351245 | MP351230 | MP351220 | MP351525 |
| 170 x 63 mm  | MP351236[1] | MP351230 | MP351220 | MP351526 |
| 170A x 63 mm  | MP351247 | MP351230 | MP351220 | MP351527 |

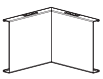
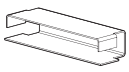
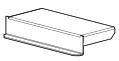
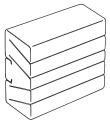
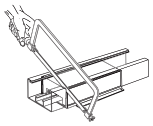
| Type | Flat bend body rising<br> | Flat bend body descending<br> | Tee body<br> | Tee body rising<br> | Tee body descending<br> | Tee cover strap<br> |
|---|---|---|---|---|---|---|
| 110 x 63 mm  | - | - | MP351393 | - | - | MP351563 |
| 130 x 63 mm  | - | - | MP351395 | - | - | MP351565 |
| 170 x 63 mm  | - | - | MP351396 | - | - | MP351566 |
| 170A x 63 mm  | MP351337 | MP351367 | - | MP351397 | MP351427 | MP351567[3]<br>MP351597[4] |

| Type | Riser trunking lid<br> | Earthing wire<br> | Universal snapper clip[2]<br> | Divider[2]<br><br>1 m | Base divider[2]<br><br>2 m | Base divider fixing bracket[2]<br> |
|---|---|---|---|---|---|---|
| | | | 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 : All trunking body lengths supplied in packs of 2 x 3 m lengths except Cat. No. MP351236 which is supplied singly 2 : Internal components supplied unpainted
3 : Rising to 170 mm wide trunking

| | 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 |
|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |
| | MP351173 | MP351203 | MP351273 | MP351303 | MP351240 | MP351333 | MP351260 |
| | MP351175 | MP351205 | MP351275 | MP351305 | MP351240 | MP351335 | MP351260 |
| | MP351176 | MP351206 | MP351276 | MP351306 | MP351240 | MP351336 | MP351260 |
| | MP351177 | MP351207 | MP351277 | MP351307 | MP351240 | - | MP351260 |

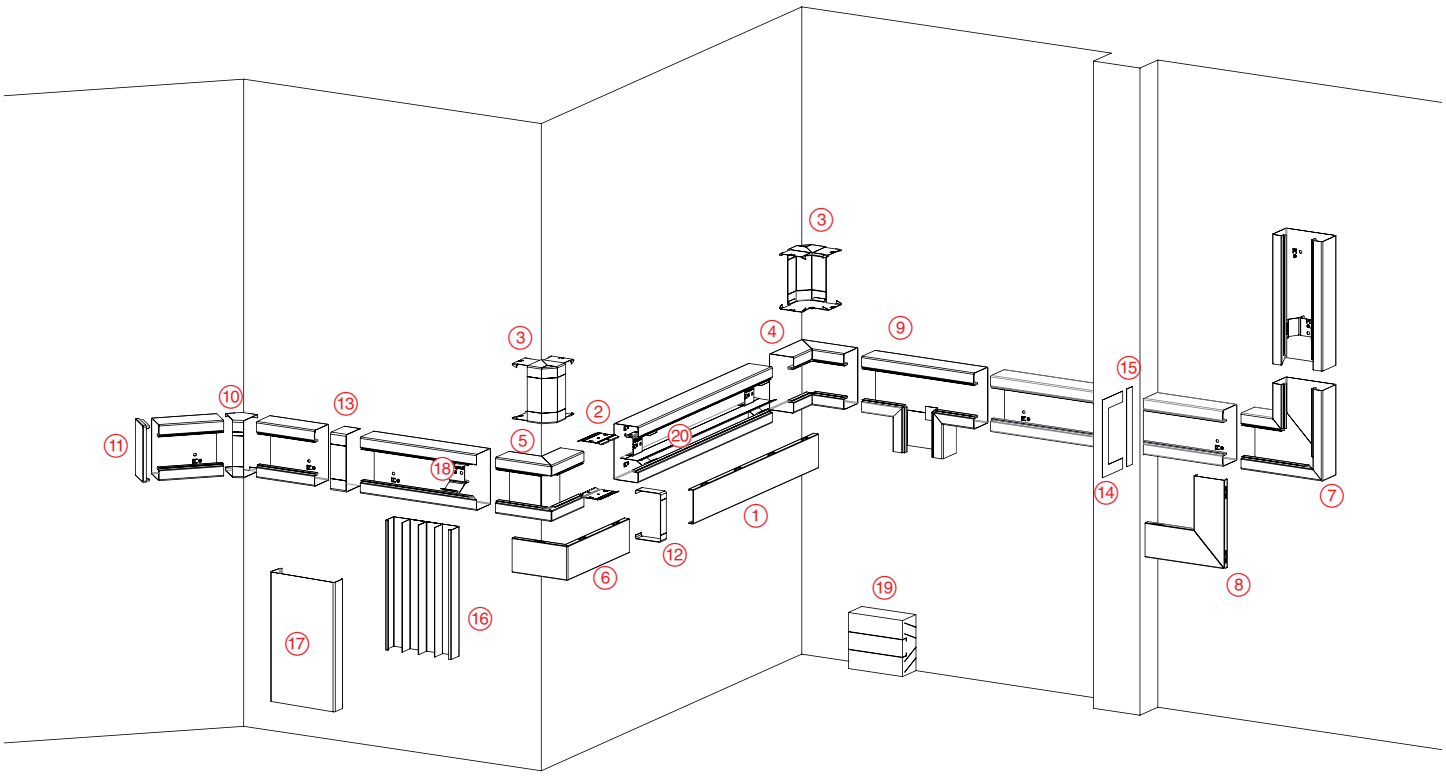
| | End cap | Cover strap | Tolerance cover strap | Wall flange plate | Wall flange closing plate | Support flange | Riser trunking body[2] (170 x 38 mm) |
|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |
| | MP351043 | MP351103 | MP351073 | MP351483 | MP351513 | MP351453 | MP351409 |
| | MP351045 | MP351105 | MP351075 | MP351485 | MP351515 | MP351455 | MP351409 |
| | MP351046 | MP351106 | MP351076 | MP351486 | MP351516 | MP351456 | MP351409 |
| | MP351046 | MP351107 | MP351077 | MP351486 | MP351516 | MP351456 | MP351409 |

| | Internal lid support[2] | Internal bend lid | End support bracket[2] | Tee support bracket[2] | 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 |

4 : Rising to 130 mm wide trunking

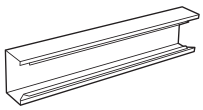
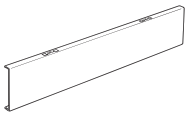
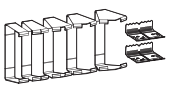
# steel perimeter trunking system – 110 x 63 mm

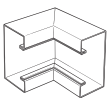
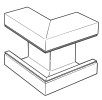
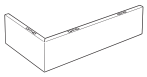
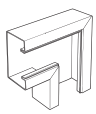
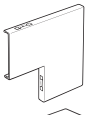
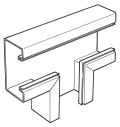
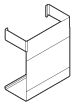
**for dado applications**




Selection charts **p. 6-7**
Dimensions and technical information **p. 17-21**
Installation material **p. 21**

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 | |
|---|---|---|---|
| 2 | MP351243 | Length – 3 m |  |
| | | **Lid** ① | |
| 1 | MP351230 | Length – 1·5 m |  |
| 1 | MP351220 | Length – 100 mm<br>For use as a spacer in between wiring accessories | |
| | | **Fittings** | |
| | | **Couplers**[1] ② |  |
| 10 | MP351523 | Supplied in pairs<br>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) | |
|---|---|---|---|
| 1 | MP351273 | **Internal bend body** ④<br>Requires 2 pairs of couplers Cat. No. MP351523 (opposite) |  |
| 1 | MP351303 | **External bend body** ⑤<br>Requires 2 pairs of couplers Cat. No. MP351523 (opposite) |  |
| 1 | MP351240 | **External bend lid** ⑥ |  |
| 1 | MP351333 | **Flat bend body** ⑦<br>Requires 2 pairs of couplers Cat. No. MP351523 (opposite) |  |
| 2 | MP351260 | **Flat bend lid** ⑧ |  |
| 1 | MP351393 | **Tee body** ⑨<br>Requires 3 pairs of couplers Cat. No. MP351523 (opposite) |  |
| 1 | MP351563 | **Tee cover strap**<br>Rising to 110 mm trunking |  |

1: Internal components supplied unpainted

# steel perimeter trunking system – 110 x 63 mm

**for dado applications (continued)**


MP351043


MP351333


MP351393

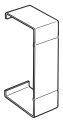

MP351043


MP351103

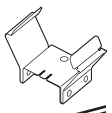

MP351073

Selection charts **p. 6-7**
Dimensions and technical information **p. 17-21**
Installation material **p. 21**

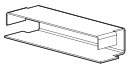
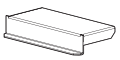
## Fittings (continued)

| Pack | Cat. Nos. | | |
|---|---|---|---|
| 1 | MP351043 | **End cap** ⑪ |  |
| 10 | MP351103 | **Cover strap** ⑫<br>Width – 25 mm |  |
| 8 | MP351073 | **Tolerance cover strap** ⑬<br>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<br>Pre-galvanised<br>Length – 2 m |  |
| 1 | MP351439 | **Riser trunking lid** ⑰<br>Friction fit<br>Length – 1 m |  |
| 1 | MP351499 | **Earthing wire**<br>Length – 300 mm |  |

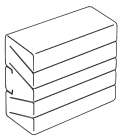
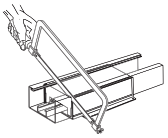
## Regular power and data separation

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

## Additional products IP 40 / IK 07

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

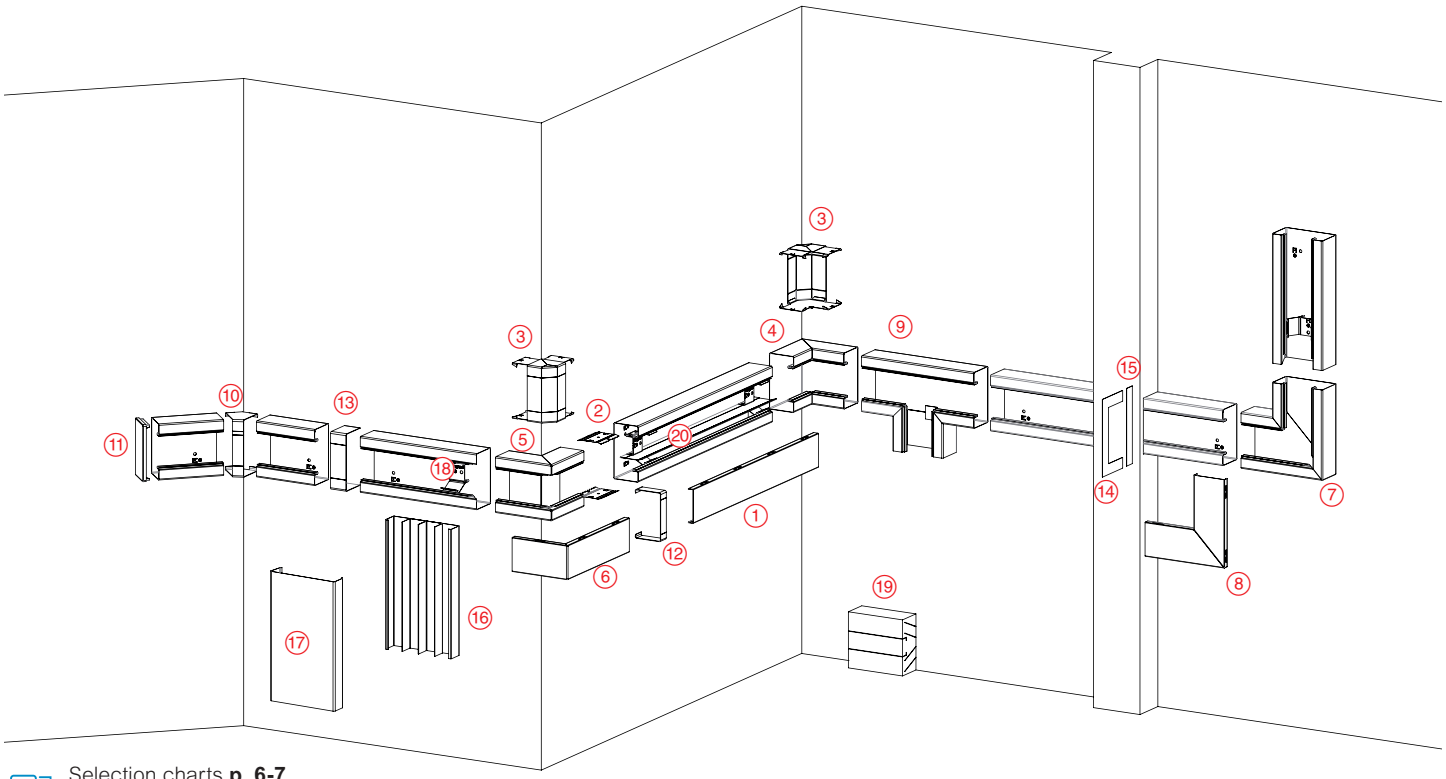
## Accessories

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

1: Internal components supplied unpainted

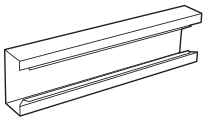
# steel perimeter trunking system – 130 x 63 mm

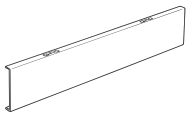
**for dado applications**

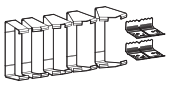


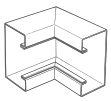
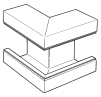
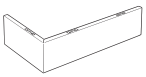
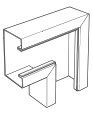
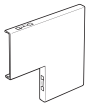
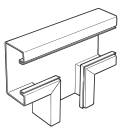
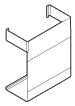

Selection charts **p. 6-7**
Dimensions and technical information **p. 17-21**
Installation material **p. 21**

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 | |
|---|---|---|---|
| 2 | MP351245 | Length – 3 m |  |

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

| Pack | Cat. Nos. | Fittings | |
|---|---|---|---|
| | | **Couplers**[1] ② | |
| 10 | MP351525 | Supplied in pairs<br>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) |  |
| | | **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)**


MP351245


MP351335


MP351395


MP351045


MP351105


MP351075

Selection charts **p. 6-7**
Dimensions and technical information **p. 17-21**
Installation material **p. 21**

## Fittings (continued)

| Pack | Cat. Nos. | | |
|---|---|---|---|
| 1 | MP351045 | **End cap** ⑪ | |
| 10 | MP351105 | **Cover strap** ⑫<br>Width – 25 mm | |
| 8 | MP351075 | **Tolerance cover strap** ⑬<br>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<br>Pre-galvanised<br>Length – 2 m | |
| 1 | MP351439 | **Riser trunking lid** ⑰<br>Friction fit<br>Length – 1 m | |
| 1 | MP351499 | **Earthing wire**<br>Length – 300 mm | |

1: Internal components supplied unpainted

## Regular power and data separation

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

## Additional partition for the base

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

## Additional products IP 40 / IK 07

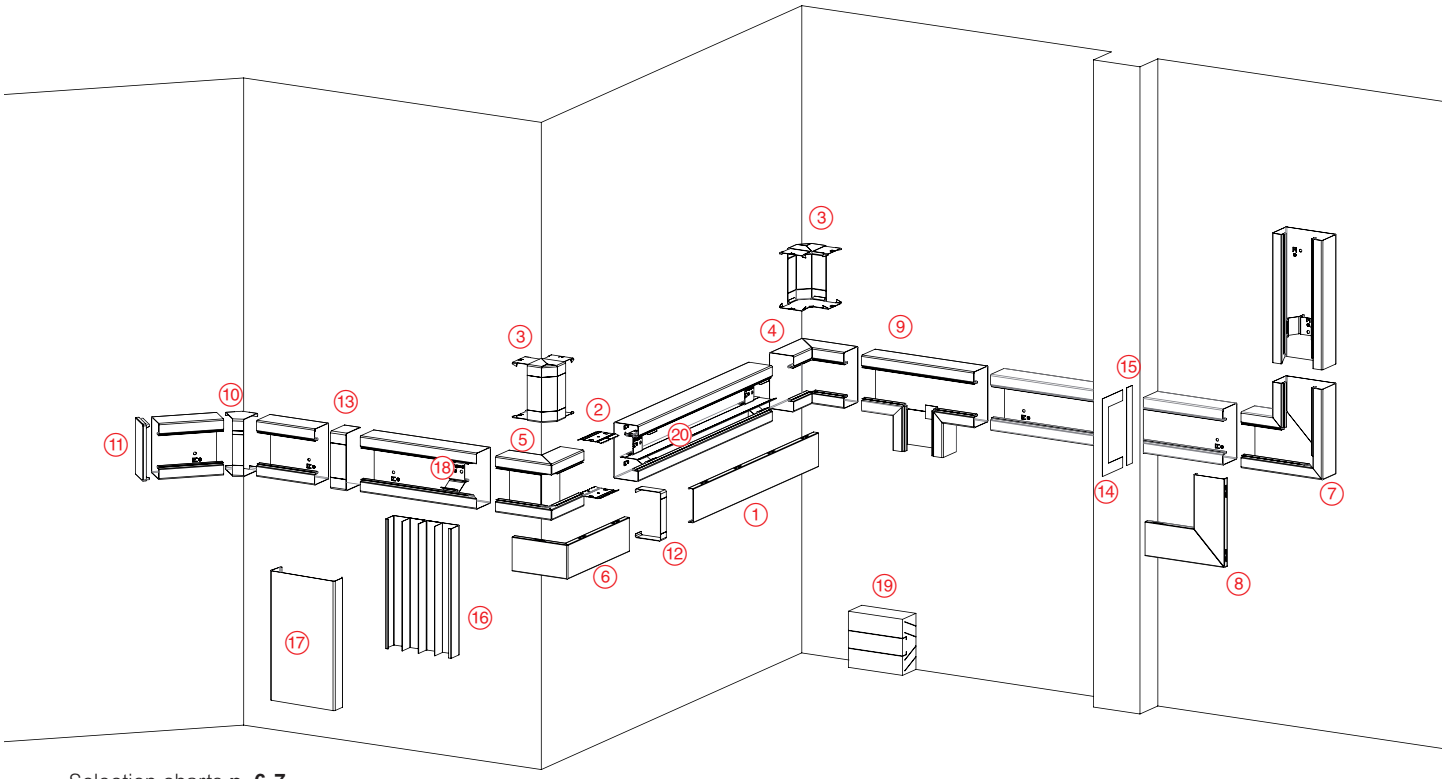
| Pack | Cat. Nos. | | |
|---|---|---|---|
| 1 | MP351469 | **Internal lid support**[1]<br>Fits inside lid joints to achieve IP 40 | |
| 1 | MP351250 | **Internal bend lid**<br>To achieve IP 40 on internal bends | |
| 5 | MP351449 | **End support bracket**[1]<br>Provides additional lid support at end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

## Accessories

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

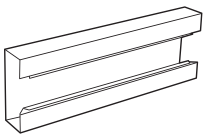
# steel perimeter trunking system – 170 x 63 mm

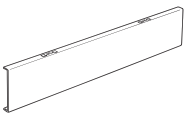
**for dado or skirting applications**

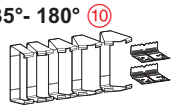


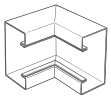
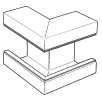
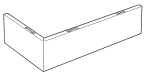
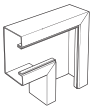
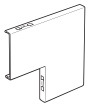
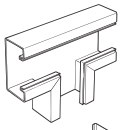
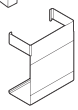

Selection charts **p. 6-7**
Dimensions and technical information **p. 17-21**
Installation material **p. 21**

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<br>Supplied in singles |  |

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

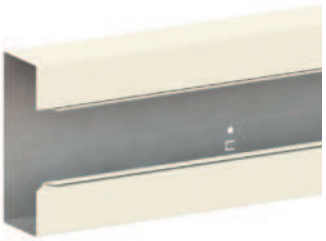
| Pack | Cat. Nos. | Fittings | |
|---|---|---|---|
| | | **Couplers**[1] ② | |
| 10 | MP351526 | Supplied in pairs<br>Zinc plated |  |
| | | **Universal internal/external bend lid 90° +/- 5°** ③ | |
| 1 | MP351176 | Complete with integral coupler |  |
| | | **Internal bend cover straps 135°- 180°**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

| Pack | Cat. Nos. | Fittings (continued) | |
|---|---|---|---|
| | | **Internal bend body** ④ | |
| 1 | MP351276 | Requires 2 pairs of couplers<br>Cat. No. MP351526 (opposite) |  |
| | | **External bend body** ⑤ | |
| 1 | MP351306 | Requires 2 pairs of couplers<br>Cat. No. MP351526 (opposite) |  |
| 1 | MP351240 | **External bend lid** ⑥ |  |
| | | **Flat bend body** ⑦ | |
| 1 | MP351336 | Requires 2 pairs of couplers<br>Cat. No. MP351526 (opposite) |  |
| 2 | MP351260 | **Flat bend lid** ⑧ |  |
| | | **Tee body** ⑨ | |
| 1 | MP351396 | Requires 3 pairs of couplers<br>Cat. No. MP351526 (opposite) |  |
| | | **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

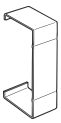

MP351046


MP351106


MP351076

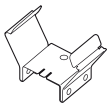
Selection charts **p. 6-7**
Dimensions and technical information **p. 17-21**
Installation material **p. 21**

## Fittings (continued)

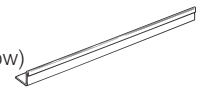
| Pack | Cat. Nos. | | |
|---|---|---|---|
| 1 | MP351046 | **End cap** ⑪ |  |
| 10 | MP351106 | **Cover strap** ⑫<br>Width – 25 mm |  |
| 8 | MP351076 | **Tolerance cover strap** ⑬<br>Width – 40 mm |  |
| 1 | MP351486 | **Wall flange plate** ⑭ |  |
| 1 | MP351516 | **Wall flange closing plate** ⑮ |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

1: Internal components supplied unpainted

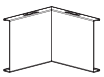
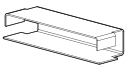
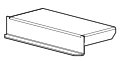
## Regular power and data separation

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

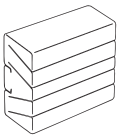
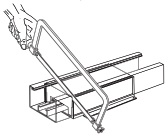
## Additional partition for the base

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

## Additional products IP 40 / IK 07

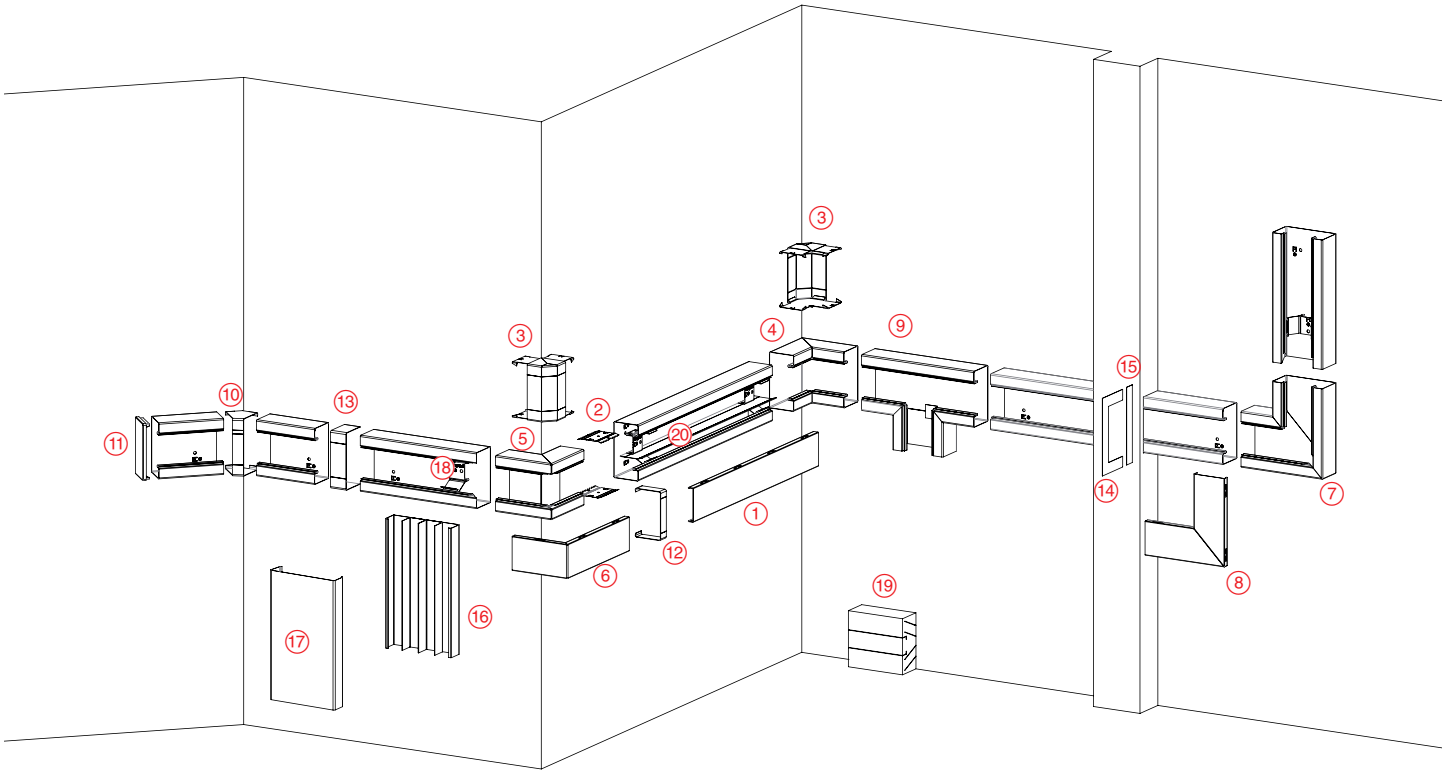
| Pack | Cat. Nos. | | |
|---|---|---|---|
| 1 | MP351469 | **Internal lid support**[1]<br>Fits inside lid joints to acheive IP 40 |  |
| 1 | MP351250 | **Internal bend lid**<br>To achieve IP 40 on internal bends |  |
| 5 | MP351449 | **End support bracket**[1]<br>Provides additional lid support at end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

## Accessories

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

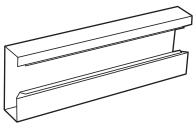
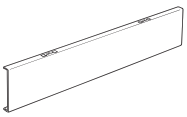
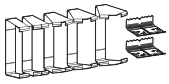
# steel perimeter trunking system – 170A x 63 mm (with offset opening)

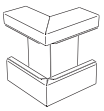
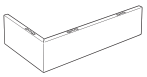
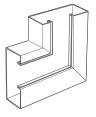
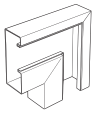
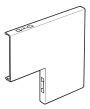
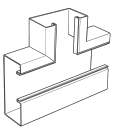
**for dado or skirting applications**




Selection charts **p. 6-7**
Dimensions and technical information **p. 17-21**
Installation material **p. 21**

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 | |
|---|---|---|---|
| 2 | MP351247 | Length – 3 m<br>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<br>For use as a spacer in between wiring accessories | |
| | | **Fittings** | |
| | | **Couplers**[1] ② | |
| 10 | MP351527 | Supplied in pairs<br>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)<br>Rising to 130 mm trunking |  |

1: Internal components supplied unpainted

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

**for dado or skirting applications (continued)**


MP351247


MP351527

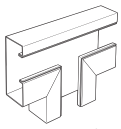
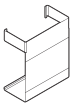
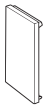
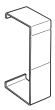

MP351046


MP351107


MP351077

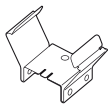
Selection charts **p. 6-7**
Dimensions and technical information **p. 17-21**
Installation material **p. 21**

## Fittings (continued)

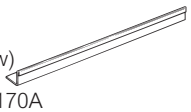
| Pack | Cat. Nos. | | |
|---|---|---|---|
| 1 | MP351427 | **Tee body descending** ⑨<br>Requires 3 pairs of couplers Cat. No. MP351527 (opposite)<br>Decending to 170 mm trunking |  |
| | | **Tee cover strap**<br>For use when – |  |
| 1 | MP351567 | Rising to 170mm trunking | |
| 1 | MP351597 | Rising to 130mm trunking | |
| 1 | MP351046 | **End cap** ⑪ |  |
| 10 | MP351107 | **Cover strap** ⑫<br>Width – 25 mm |  |
| 8 | MP351077 | **Tolerance cover strap** ⑬<br>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<br>Pre-galvanised<br>Length – 2 m |  |
| 1 | MP351439 | **Riser trunking lid** ⑰<br>Friction fit<br>Length – 1·0 m |  |
| 1 | MP351499 | **Earthing wire**<br>Length – 300 mm |  |

1: Internal components supplied unpainted

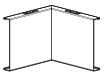
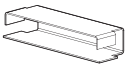
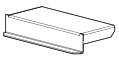
## Regular power and data separation

| Pack | Cat. Nos. | | |
|---|---|---|---|
| 20 | MP351319 | **Universal snapper clip**[1] ⑱<br>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<br>Length – 1 m | |

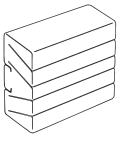
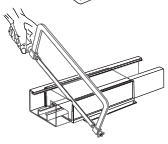
## Additional partition for the base

| | | | |
|---|---|---|---|
| 10 | MP351289 | **Base divider**[1]<br>Fixing bracket required (below)<br>Length – 2 m<br>Height – 45 mm, for type 170/170A |  |
| 10 | MP351309 | **Base divider fixing bracket**[1]<br>Height = 44 mm, for type 170/170A<br>1 per metre required |  |

## Additional products IP 40 / IK 07

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

## Accessories

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


7300 60


7300 70


7330 70



8204 50


MP351049


5721 10


MP351089

## Back boxes and contrast frames

| Pack | Cat. Nos. | |
|---|---|---|
| | | **Socket back boxes** |
| | | Material : pre-galvanised steel |
| 1 | MP820329 | 1 gang back box |
| 1 | MP820339 | 2 gang back box |
| | | **Contrast frames** |
| | | Aid Part M compliance when using Synergy white wiring accessories (see below) |
| 10 | 8218 46 | 1 gang contrast frame |
| 10 | 8218 47 | 2 gang contrast frame |

## Synergy sockets (monobloc)

Front plates : white thermoset
Terminal screws backed off and ready for cabling
Supplied with optional faceplate screw caps

| Pack | Cat. Nos. | |
|---|---|---|
| | White | **Synergy white wiring accessories** |
| 10 | 7300 60 | Conform to BS 1363 - Part 2 : 1995<br>13 A single switched socket |
| 5 | 7300 70 | Conform to BS 1363 - Part 2 : 1995<br>13 A twin switched socket |
| 1 | 7300 98 | Conform to BS 7288 : 1990 and BS 1363 - Part 2 : 1995<br>13 A twin RCD 30 mA passive socket |
| | Brushed stainless steel | **Synergy brushed stainless steel wiring accessories** |
| | | Front plates : brushed stainless steel with clear epoxy satin lacquer coating |
| 1 | 7330 60 | Conform to BS 1363 - Part 2 : 1995<br>13 A single switched socket brushed stainless steel |
| 1 | 7330 70 | Conform to BS 1363 - Part 2 : 1995<br>13 A twin switched socket brushed stainless steel |
| 1 | 7330 98 | Conform to BS 7288 : 1990 and BS 1363 - Part 2 : 1995<br>13 A twin RCD 30 mA passive socket brushed stainless steel |
| | Blue/White | **MEIGaN socket outlets** |
| | | For use in healthcare establishments<br>Engraved in white lettering 'MEDICAL EQUIPMENT ONLY' |
| 1 | 8204 50 | Conform to BS 1363 - Part 2 : 1995<br>13 A single switched socket (MEIGaN) blue stainless steel |
| 1 | 8204 51 | Conform to BS 1363 - Part 2 : 1995<br>13 A twin switched socket (MEIGaN) blue stainless steel |

## Support frames and surround plates for Arteor socket modules

| Pack | Cat. Nos. | |
|---|---|---|
| | | **Support frames** |
| | | Material : plastic<br>For 2 or 3 modules |
| 10 | MP351069 | 118 x 80 mm |
| | | For 4 or 6 modules |
| 10 | MP351109 | 191 x 80 mm |
| | | **Surround plates – RAL 9010** |
| | | Material : plastic<br>Use with 2/3 module support frame Cat. No. MP351069 |
| 10 | MP351049 | 2 modules |
| 10 | MP351059 | 3 modules |
| | | Use with 4/6 module support frame Cat. No. MP351109 |
| 10 | MP351089 | 4 modules |
| 10 | MP351099 | 6 modules |

## Arteor sockets (modular)

Shuttered for child safety
Use support frames and surround plates above

| Pack | Cat. Nos. | | Number of modules (22·5 x 45 mm) |
|---|---|---|---|
| | White | | |
| 10 | 5721 10 | Conform to BS 546 : 1950<br>5 A single unswitched socket | 2 |
| 10 | 5721 11[1] | Conform to BS 1363 – Part 2 : 1995<br>13 A single unswitched socket | 2 |
| 5 | 5721 30 | Conform to BS 1363 – Part 2 : 1995<br>13 A single switched socket | 3 |
| 5 | 5721 32 | Conform to BS 546 : 1950<br>15 A single switched socket | 3 |
| | Red | | |
| 5 | 5724 67 | 13 A single switched non-standard socket | 3 |

For complete range of wiring accessories
**see Legrand's Wiring Devices catalogue**



1 : when using two or more Arteor unswitched 13 A sockets (Cat. No. 5721 11) next to each other, it is necessary to separate the sockets with a 1 module spacer (Cat. No. 5723 41)

# steel perimeter trunking

**technical information**

## 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

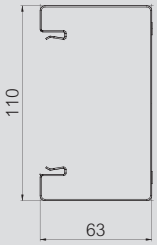
**Clause 6.103** According to the functions provided :
Type 2 CTS (installation)

All dimensions (mm) are nominal

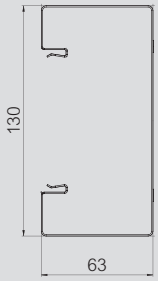
## Sizes available

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

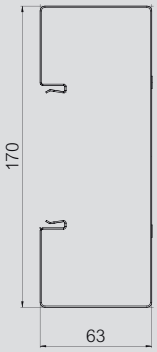
110 x 63 mm



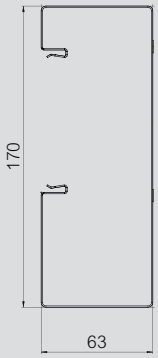

130 x 63 mm




170 x 63 mm



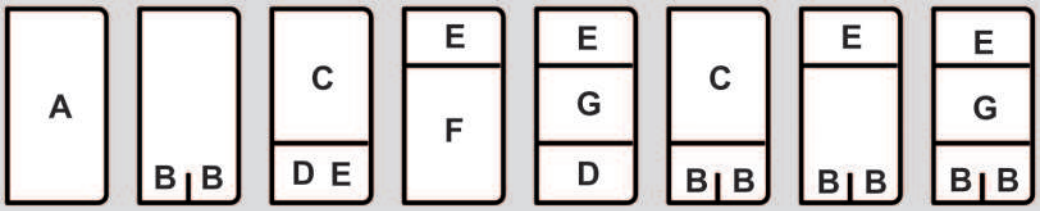

170A x 63 mm




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

## 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

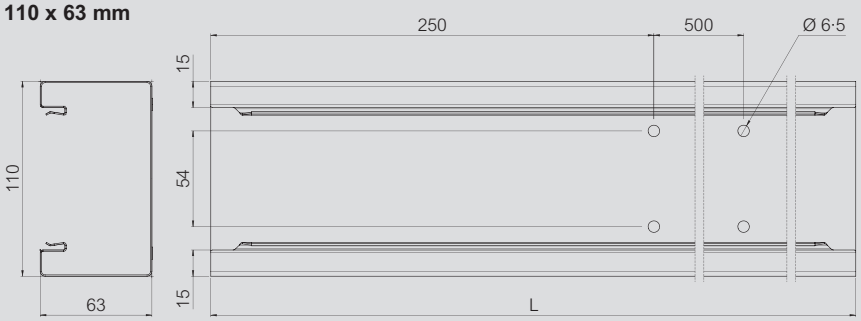
| Cable factors : power | | |
|---|---|---|
| | Conductor size mm² | Factor |
| Solid | 1·5 | 8·0 |
| Solid | 2·5 | 11·9 |
| Stranded | 1·5 | 8·6 |
| Stranded | 2·5 | 12·6 |
| Stranded | 4·0 | 16·6 |
| Stranded | 6·0 | 21·2 |

| 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 |

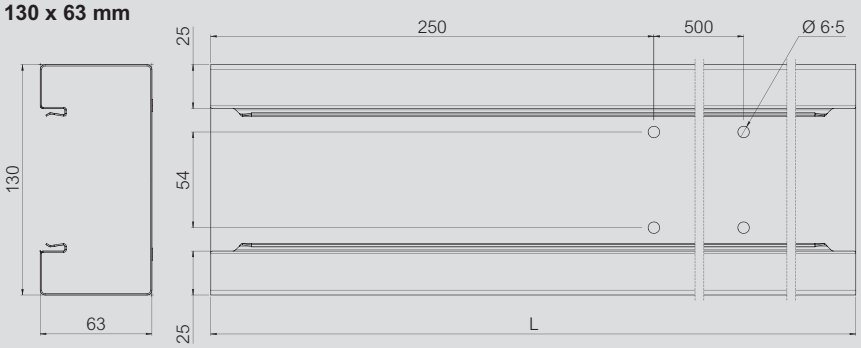
All dimensions (mm) are nominal

## Dimensions

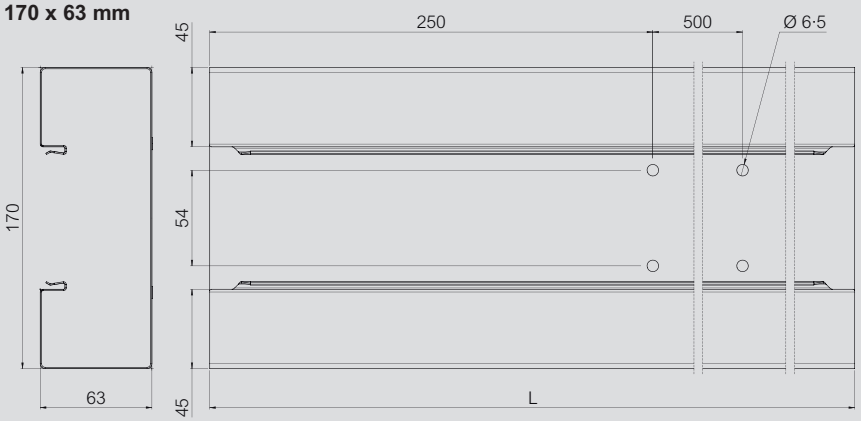
**110 x 63 mm**



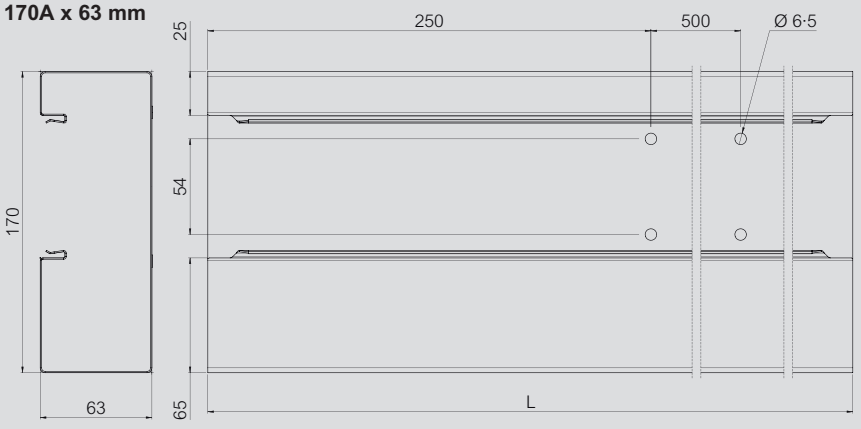

**130 x 63 mm**




**170 x 63 mm**




**170A x 63 mm**




All dimensions (mm) are nominal

## Weights

| Trunking size | Product | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 110 | | 130 | | 170 | | 170A | |
| | Cat. Nos. | Weight | Cat. Nos. | Weight | Cat. Nos. | Weight | Cat. Nos. | Weight |
| Body 3 m | MP351243 | 5·56 | MP351245 | 6·27 | MP351236[1] | 7·68 | MP351247 | 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[2] | 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 body descending | – | – | – | – | – | – | MP351427 | 1·01 |
| Tee cover strap | MP351563 | 0·15 | MP351565 | 0·20 | MP351566 | 0·30 | MP351567[3]<br>MP351597[4] | 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[2] – 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[2] | MP351319 | 0·06 | MP351319 | 0·06 | MP351319 | 0·06 | MP351319 | 0·06 |
| Divider[2] – 1 m | MP351189 | 0·36 | MP351189 | 0·36 | MP351189 | 0·36 | MP351189 | 0·36 |
| Base divider[2] – 2 m | – | – | MP351279 | 0·47 | MP351289 | 0·66 | MP351289 | 0·66 |
| Base divider fixing bracket[2] | – | – | MP351299 | 0·02 | MP351309 | 0·02 | MP351309 | 0·02 |
| Internal lid support[2] | 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[2] | MP351449 | 0·03 | MP351449 | 0·03 | MP351449 | 0·03 | MP351449 | 0·03 |
| Tee support bracket[2] | 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 : All trunking body lengths supplied in packs of 2 x 3 m lengths except Cat. No. MP351236 which is supplied singly 2 : Internal components supplied unpainted
3 : Rising to 170 mm wide trunking 4 : 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 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

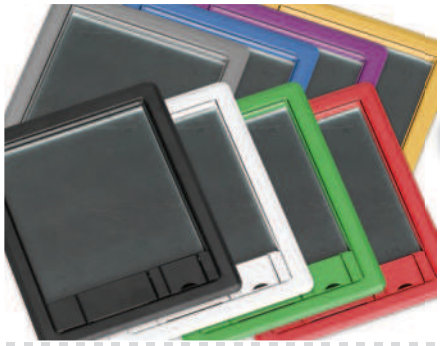
# CAVITY FLOOR BOXES

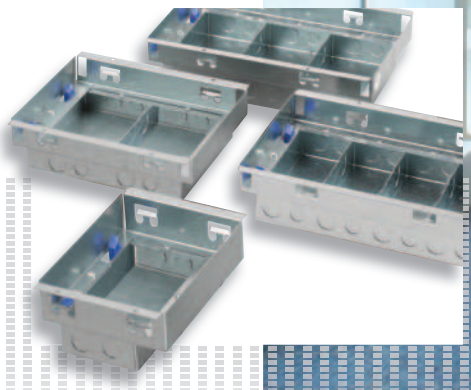
## building on success

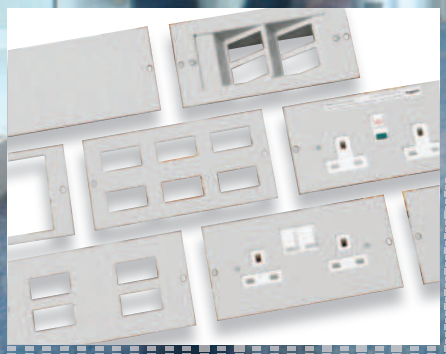
Legrand's latest range of cavity floor boxes offer a modular product that is simple to order. Components are sold separately enabling any configuration to be accommodated on site.

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

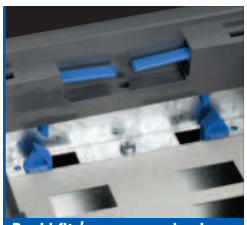
- Rapid fit and remove mechanism
- Reversible lid
- Push-fit detail to secure base in the floor
- 1 compartment floor box is designed to easily accommodate moulded plugs



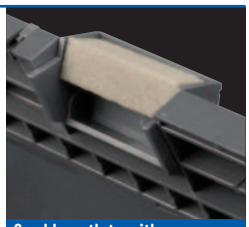




Reversible lid



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



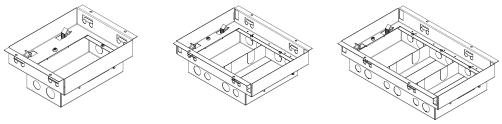
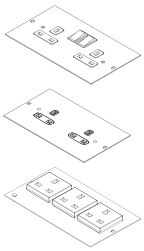
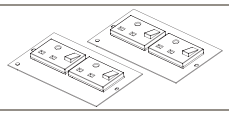
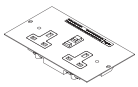
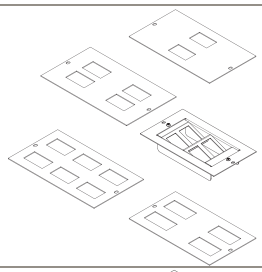
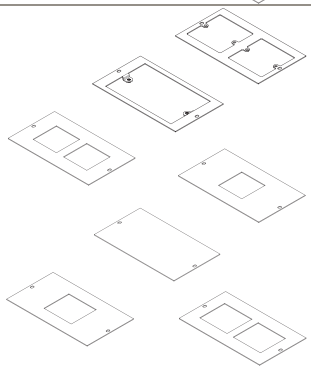
Inter-compartment knockouts



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 |
| **Socket 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 |
| | Metal, powder coated with edge trim – 8 mm recess |
| | Stainless steel with carpet trim – 8 mm recess |
| | Stainless steel with edge trim – 8 mm recess |
| | Brass with carpet trim – 8 mm recess |
| | Brass with edge trim – 8 mm recess |

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<br>Ready to accept standard BS two gang wiring accessories<br>Additional mounting plates not required<br>Recommended hole cut-out size :<br>302-304 mm x 219-221 mm<br>7 mm lid recess<br>Standard depth : 85 mm<br>20/25 mm knockouts to each compartment<br>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<br>Lids and trims are detailed on p. 27<br>Outlet plates are detailed on p. 27 |
| | | **1 compartment floor box base** |
| | | Recommended hole cut-out size :<br>165-167 mm x 203-205 mm |
| 1 | CAV185 | 85 mm deep |
| | | **2 compartment floor box base** |
| | | Recommended hole cut-out size :<br>263-265 mm x 203-205 mm |
| 1 | CAV275 | 75 mm deep |
| 1 | CAV285 | 85 mm deep |
| 1 | CAV2110[1] | 110 mm deep |

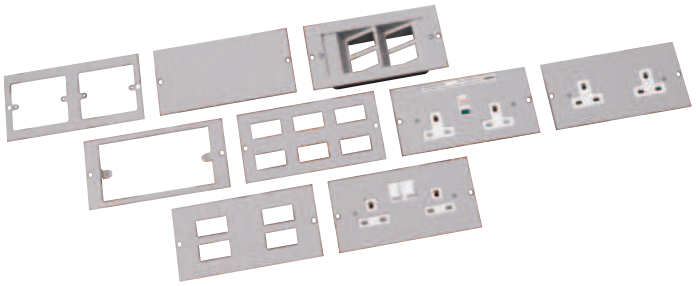
1 : 110 mm deep base boxes not suitable for edge trim lids

| Pack | Cat. Nos. | Cavity floor boxes (continued) |
|---|---|---|
| | | **3 compartment floor box base** |
| | | Recommended hole cut-out size :<br>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 :<br>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

| Pack | Cat. Nos. 1, 2, 3 comp. 100 mm wide | Cat. Nos. 4 comp. 75 mm wide | Power and data plates |
|---|---|---|---|
| | | | **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

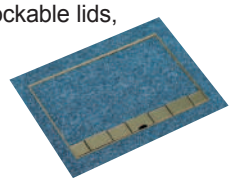


Cavity floor outlet boxes selection chart **p. 24-25**
Dimensions and technical information **p. 29**
Installation details **p. 30**

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

| Pack | Cat. Nos. 1 comp. | Cat. Nos. 2 comp. | Floor box lids and trims |
|---|---|---|---|
| | | | **1 and 2 compartment** |
| | | | **Carpet trim** |
| 1 | – | FBL2ABS | ABS |
| 1 | FBL1MCT | FBL2MCT | Metal – grey |
| 1 | FBL1SCT | FBL2SCT | Stainless steel |
| 1 | FBL1BCT | FBL2BCT | Brass |
| | | | **Edge trim** |
| 1 | – | FBL2COM | ABS lid/metal trim – ABS/grey |
| 1 | FBL1MET | FBL2MET | Metal – grey |
| 1 | FBL1SET | FBL2SET | Stainless steel |
| 1 | FBL1BET | FBL2BET | Brass |
| | | | **3 and 4 compartment** |
| | | | **Carpet trim** |
| 1 | FBL3ABS | | ABS |
| 1 | FBL3MCT | | Metal – grey |
| 1 | FBL3SCT | | Stainless steel |
| 1 | FBL3BCT | | Brass |
| | | | **Edge trim** |
| 1 | FBL3COM | | ABS lid/metal trim – ABS/grey |
| 1 | FBL3MET | | Metal – grey |
| 1 | FBL3SET | | Stainless steel |
| 1 | FBL3BET | | Brass |

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) 870 608 9020**



# cavity floor grommets


SG6


PG6RCD


PG6


089307


AM1C


LSG2

Dimensions and technical information **p. 31**

## 150 mm plastic grommets

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

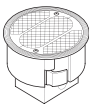




## 125 mm aluminium grommets

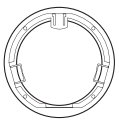
| Pack | Cat. Nos. | |
|---|---|---|
| | | Hole size 127 mm<br>Body – cast aluminium<br>Lid – injection moulded plastic Nylon 66 with neoprene cable gasket<br>Secured by quarter-turn fasteners<br>Floor depth 25 to 55 mm<br>Access grommet depth 60 mm<br>(95 mm when back box included) |
| 1 | 089307 |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





## 250 mm grommet

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



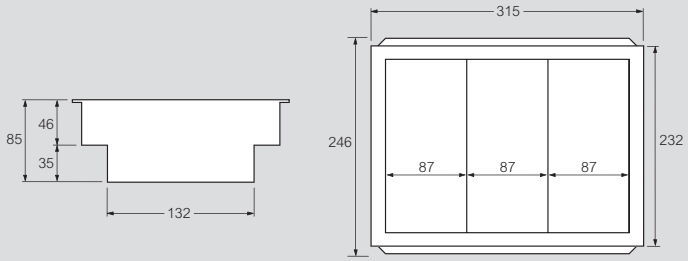
All power grommets are available pre-wired
**Contact us on +44 (0) 870 608 9020**

# cavity floor service outlet boxes

**technical information**

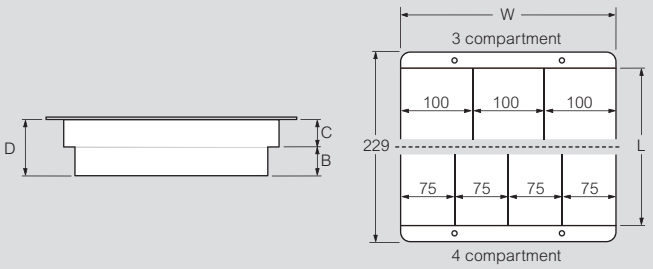
## Cavity floor service outlet boxes

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

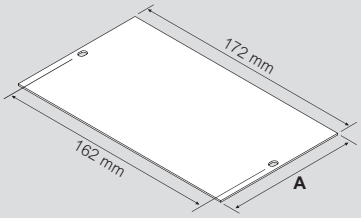



**Floor box bases**
Cat. Nos. CAV1..., CAV2..., CAV3... and CAV4...

| | | | | Cutout | | |
|---|---|---|---|---|---|---|
| **Cat. No.** | **D** | **B** | **C** | **W** | **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 |

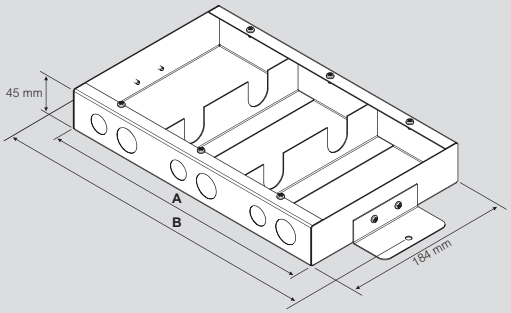



## Outlet plates




| | **A** |
|---|---|
| **1, 2, 3 comp.** | 100 |
| **4 comp.** | 75 |

## Slab boxes




| **Cat. No.** | **A** | **B** |
|---|---|---|
| **Slab 1** | 102 | 162 |
| **Slab 2** | 202 | 262 |
| **Slab 3** | 302 | 362 |
| **Slab 4** | 302 | 362 |

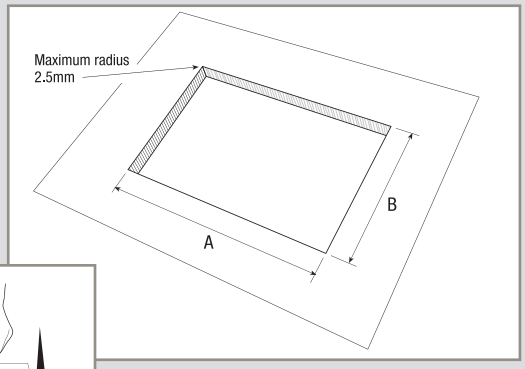
All dimensions (mm) are nominal

# cavity floor service outlet boxes

## installation

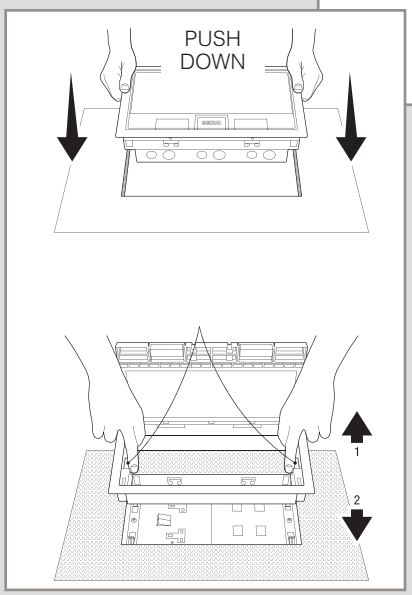
**1** **Cut hole in floor tile**

| | 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**

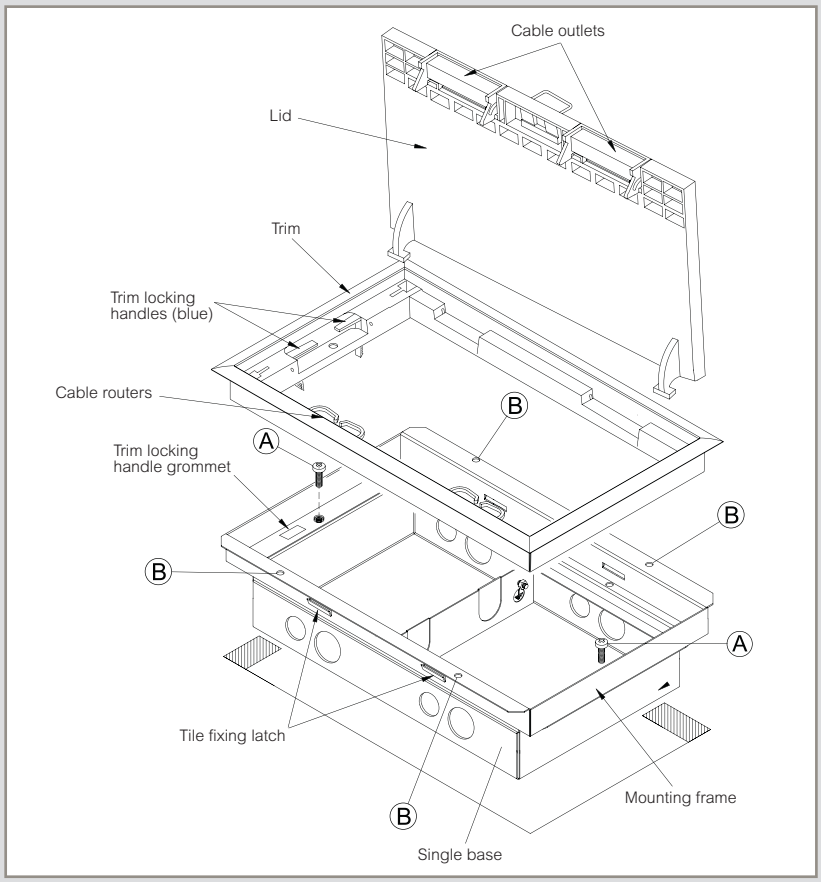
Lower base box into aperture and push firmly down
This will engage the fixing latches




**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

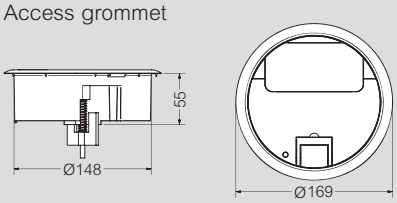
B) Box can be screw fitted to floor tile by using holes (B) in mounting frame (If hole in tile is outside maximum tolerance Use 4 x No.8 25 mm self tapping screws)

# cavity floor grommets

**technical information**

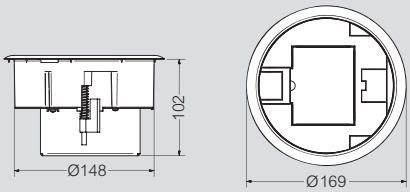
## 150 mm plastic grommets

Access grommet




Cat. No. SG6

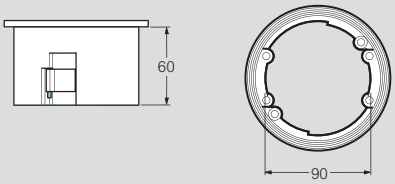
Power grommet




Cat. No. PG6

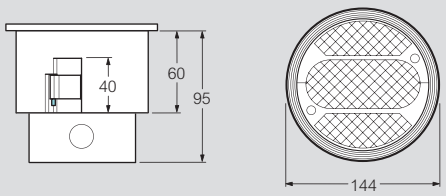
## 125 mm aluminium grommets

Access grommet



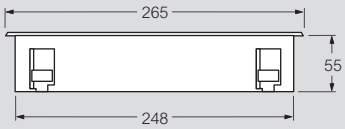

Cat. No. 089307

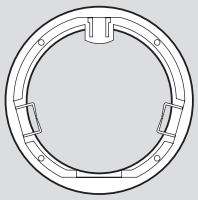
13 A power grommet




Cat. No. AM1C

## 250 mm grommet



Cat. No. LSG2

All dimensions (mm) are nominal

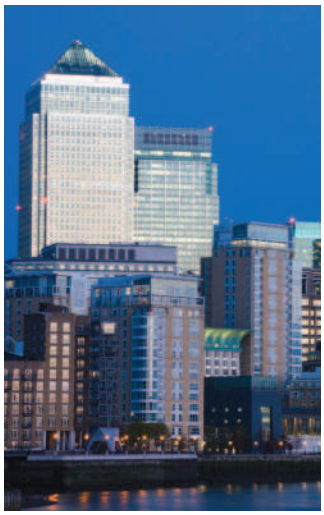
legrand

# NEW

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 new 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

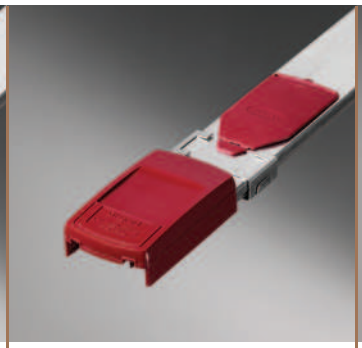
## reliable, flexible workspace power



STANDARD

Two bar and earth powertrack system

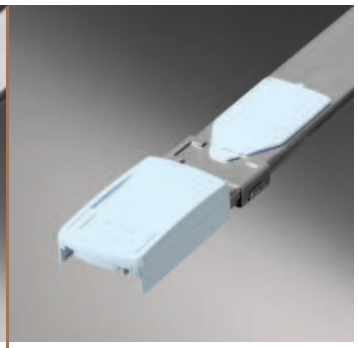
See page p. 35



CLEAN EARTH

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

See page p. 36



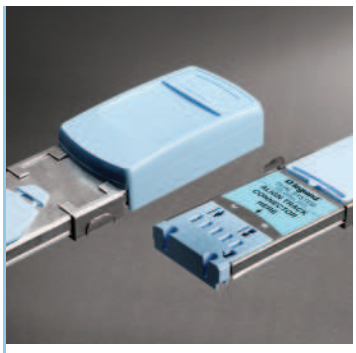
DUAL CIRCUIT

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

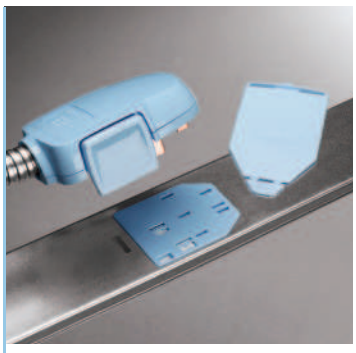
See page p. 37

# THE POWER TO DELIVER

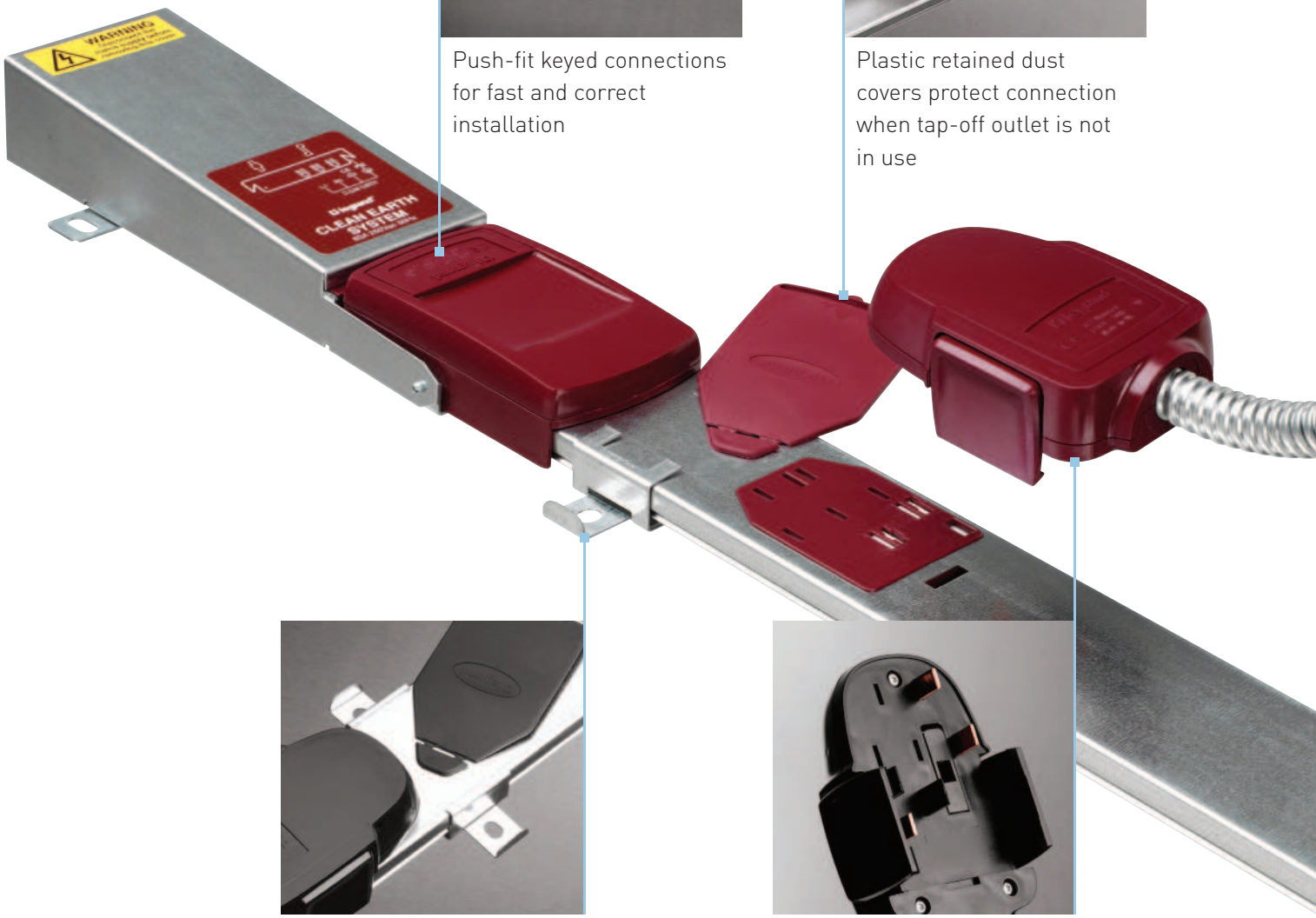
## Innovative design makes Legrand's powertrack system the quick fit choice for supplying power under the floor



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

NEW

**standard (black)**

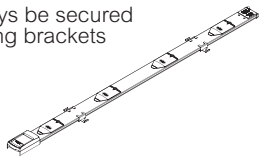
**Standard powertrack integral track connectors, tap-off oulets and tap-off units are coloured black for easy identification**

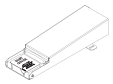


Dimensions and technical information **p. 40-45**

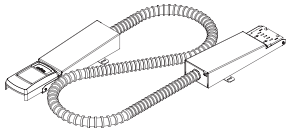
Two bar and earth 63 A powertrack system

| Pack | Cat. Nos. | Track lengths and feeder unit |
|---|---|---|
| | | **Standard track lengths** |
| | | 300 mm socket pitch<br>Track lengths fit together using the integral connectors on each length<br>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<br>Terminal capacity 16 mm² maximum |

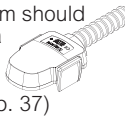




| Pack | Cat. Nos. | Flexible bend |
|---|---|---|
| | | **Standard flexible bend** |
| 1 | 820702 | Comprises a length of 25 mm conduit with a plug-in feed at each end, pre-wired with 10 mm² tri-rated cable<br>Cable length = 1·2 m |



| Pack | Cat. Nos. | Standard tap-off units |
|---|---|---|
| | | Tap-off length refers to the cable and not the conduit length<br>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<br>These tap-off units can also be used with the dual circuit powertrack system (p. 37) |
| | | **13 A fused** |
| | | 16 mm Ø – 1·5 mm² L, N, PE |
| 1 | 820732 | 3 m |
| 1 | 820752 | 5 m |
| | | **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 |
| | | **32 A unfused** |
| | | 16 mm Ø – 4 mm² L, N, PE |
| 1 | 820738 | 3 m |
| 1 | 820758 | 5 m |



| Pack | Cat. Nos. | Accessory |
|---|---|---|
| | | **Arena-Walsall to Legrand adaptor** |
| | | Flexible adaptor unit to connect Arena-Walsall powertrack system to the new Legrand system |
| 1 | 820703 | Standard adaptor 1·2 m |

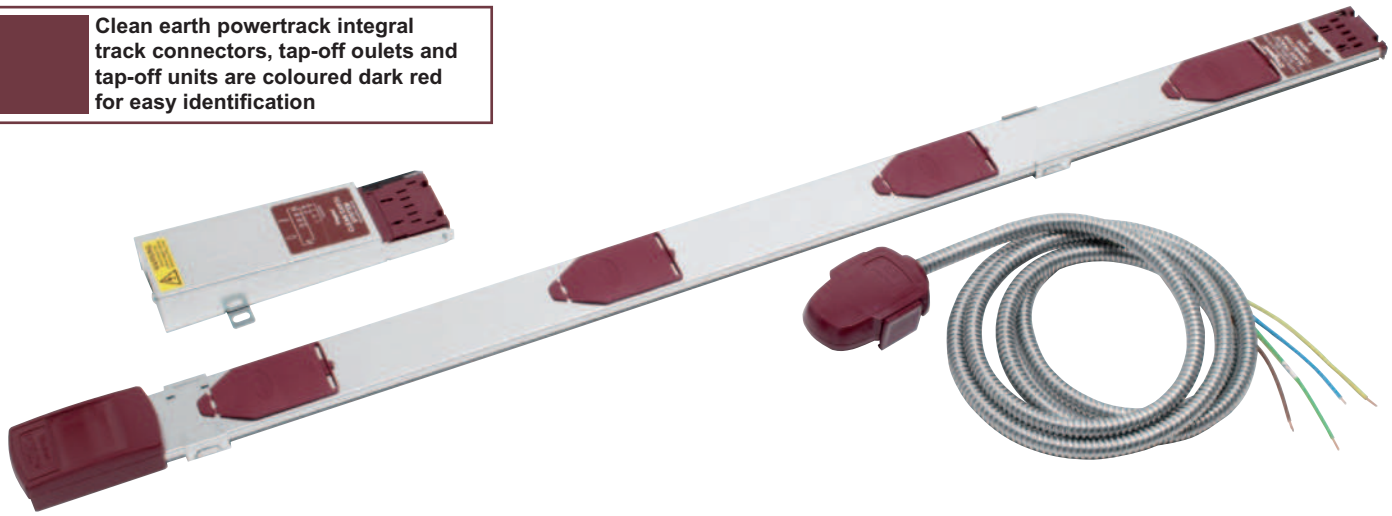
For pre-wired floor boxes and slab boxes **p. 38-39**

# Legrand powertrack system

NEW

**clean earth (dark red)**

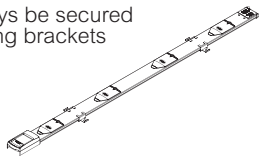
**Clean earth powertrack integral track connectors, tap-off oulets and tap-off units are coloured dark red for easy identification**

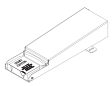


Dimensions and technical information **p. 40-45**

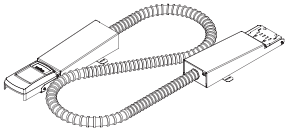
63 A powertrack system including an independent clean earth copper bar

| Pack | Cat. Nos. | Track lengths and feeder unit |
|---|---|---|
| | | **Clean earth track lengths** |
| | | 300 mm socket pitch<br>Track lengths fit together using the integral connectors on each length<br>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<br>Terminal capacity 16 mm² maximum |

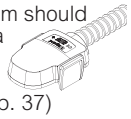




| Pack | Cat. Nos. | Flexible bend |
|---|---|---|
| | | **Clean earth flexible bend** |
| 1 | 820802 | Comprises a length of 25 mm conduit with a plug-in feed at each end, pre-wired with 10 mm² tri-rated cable<br>Cable length = 1·2 m |



| Pack | Cat. Nos. | Clean earth tap-off units |
|---|---|---|
| | | Tap-off length refers to the cable and not the conduit length<br>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<br>These tap-off units can also be used with the dual circuit powertrack system (p. 37) |



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

| | | Accessory |
|---|---|---|
| | | **Arena-Walsall to Legrand adaptor** |
| | | Flexible adaptor unit to connect Arena-Walsall powertrack system to the new Legrand system |
| 1 | 820803 | Clean earth adaptor 1·2 m |

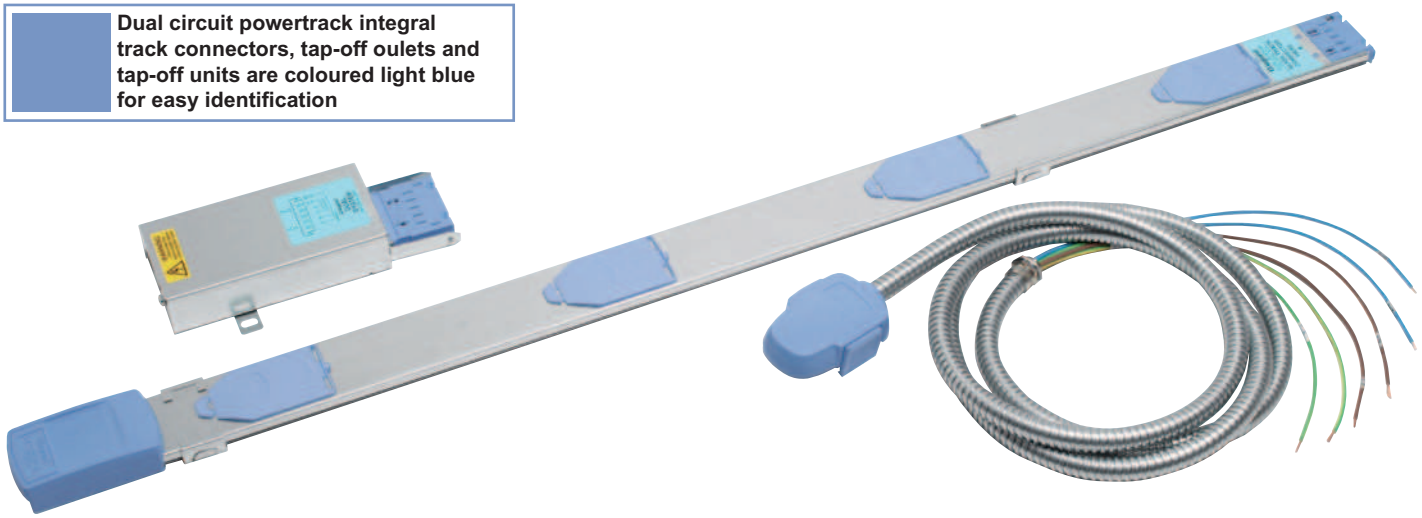
For pre-wired floor boxes and slab boxes **p. 38-39**

# Legrand powertrack system

**dual circuit (light blue)**

NEW

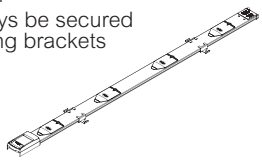
**Dual circuit powertrack integral track connectors, tap-off oulets and tap-off units are coloured light blue for easy identification**

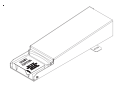


Dimensions and technical information **p. 40-45**

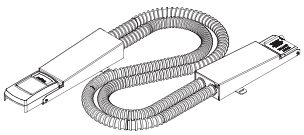
63 A powertrack system incorporating both standard and clean earth systems within one enclosure

| Pack | Cat. Nos. | **Track lengths and feeder unit** |
|---|---|---|
| | | **Dual circuit track lengths** |
| | | 300 mm socket pitch<br>Track lengths fit together using the integral connectors on each length<br>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<br>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<br>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<br>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 |



| | | **Standard tap-off units** |
|---|---|---|
| | | **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 |
| | | **Standard 32 A unfused** |
| | | 16 mm Ø – 4 mm² L, N, PE |
| 1 | 820738 | 3 m |
| 1 | 820758 | 5 m |

| | | **Clean earth tap-off units** |
|---|---|---|
| | | **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 fused – high integrity 543·7** |
| | | 16 mm Ø – 1·5 mm² L, N, - 4 mm² PE, CE |
| 1 | 820834 | 3 m |
| 1 | 820854 | 5 m |
| | | **Clean earth 32 A unfused** |
| | | 16 mm Ø – 4 mm² L, N, PE, CE |
| 1 | 820838 | 3 m |
| 1 | 820858 | 5 m |

| | | **Accessory** |
|---|---|---|
| | | **Arena-Walsall to Legrand adaptor** |
| | | Flexible adaptor unit to connect Arena-Walsall powertrack system to the new Legrand system |
| 1 | 820903 | Dual circuit adaptor 1·2 m |

# pre-wired cavity floor service outlet boxes

NEW

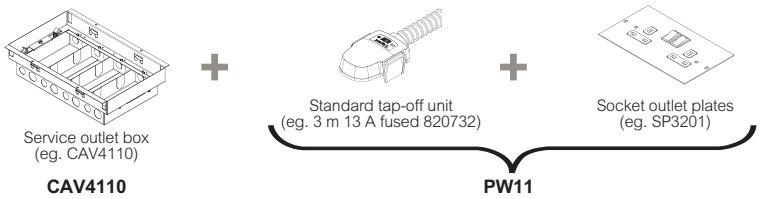
## configuration table for standard tap-off units

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

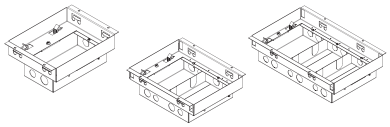
Lid and trim to be ordered separately **p. 27**

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




### 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

NEW

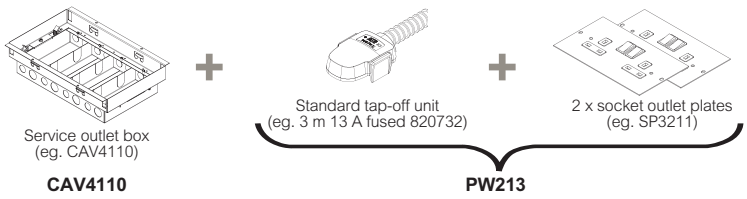
## configuration table for clean earth tap-off units

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**

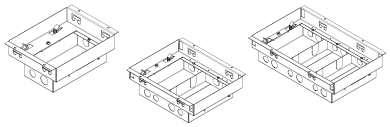
Simply suffix the service outlet box Cat. No. with the relevant "PW..." Cat. No. from the table, eg :

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




**CAV4110** **PW213**

### 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

## Standards

### IET Wiring Regulations

The Legrand powertrack system is suitable for installation to BS 7671 : 2001 or BS 7671 : 2008 + A1 : 2011 Requirements for Electrical Installations

Legrand powertrack system allows compliance with regulation 543·7, BS 7671 : 2008 and Section 607, BS 7671 : 2001.
However, this requirement must be stated at the time of order to ensure the correct system components are selected. See installations having high protective conductor currents (see below for further information)

## Earth fault loop impedance

BS 7671 : 2008 + A1 : 2011 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 **p. 41**

## Installations having high protective conductor currents

Section 543.7, BS 7671 : 2008 + A1 : 2011(formerly Section 607, BS 7671 : 2001)
To comply with this particular requirement, care should be taken when selecting the tap-off units
Unfused tap-off units comply without the need for additional earth conductors
Fused tap-off units would normally have 1·5 $mm^2$ earth conductors. To meet this requirement the “High Integrity 543.7” tap-off units should be specified. The 1·5 $mm^2$ earth conductors in these tap-off units are replaced with 4 $mm^2$ conductors
These tap-off units then comply with 543.7.1.103(ii), “a single copper protective conductor having a cross-sectional area of not less than 4 $mm^2$, 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”

## Tap-off units

Section 434.2 of the Wiring Regulations requires conductors to have a fault current protective device (e.g. fuse) at the point where the current carrying capacity is reduced (e.g. tap-off unit)
32 A unfused 3 m tap-off 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
Unfused tap-off units comprise of either 16 mm or 20 mm diameter flexible metal conduit with integral 4 $mm^2$ LSOH conductors
Unfused tap-off units in excess of 3 m should only be used if the powertrack system is protected by a protective device not exceeding 32 A
13 A fused tap-off units are supplied with a BS 1362 13 A fuse fitted within the tap-off unit
This requirement refers to the total length of the cable and not the conduit, the conduit therefore is approximately 400 mm shorter to allow for the cable in the tap-off unit and the equipment being connected

## Pre-wired floor boxes

If a floor service outlet box, supplied by a single tap-off unit, contains more than 2 x 13 A socket outlets then the total loading of the service outlet box must not exceed 32 A
Unfused 32 A tap-off units in excess of 3 m should only be used if the powertrack system is protected by a protective device not exceeding 32 A

## General installation notes

Designed to ensure a fast and simple installation, Legrand’s low profile powertrack system has an overall height of just 48 mm including tap-off unit. Available in standard, clean earth and dual circuit versions, tap-off and track connections are key coded to each range, avoiding unintentional connection of non-compatible system components. Standard and clean earth ranges are not interchangeable, however tap-off units from both of these ranges can be used in the dual circuit range. Powertrack comes in lengths of 1·2 m, 1·8 m or 3 m with tap-off positions provided every 300 mm

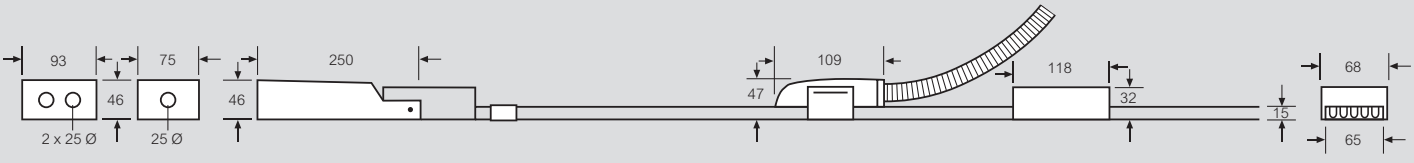
Track feeder units have one or two 25 mm Ø holes for cable entries and the terminals are suitable for conductors up to 16 $mm^2$
Track lengths are supplied with integral push-fit connectors
Track lengths should always be secured using the integral floor fixing brackets
Access to power is provided along the track length by simply lifting the plastic dust cover and plugging tap-off units into the shuttered socket outlets

Tap-off units can feed conventional floor service outlet boxes or workstations directly through the floor
These can be easily wired on site, or can be ordered pre-wired, see **p. 38-39**

To provide mechanical protection, 4 $mm^2$ or 1·5 $mm^2$ insulated conductors are contained in flexible metal conduit
Care must be taken when feeding desks directly from the powertrack system to ensure that the tap-off length is adequate

The dual circuit powertrack system incorporates both standard and clean earth systems within one enclosure
Tap-off units from all three ranges can be used in the dual circuit system

## Dimensions




**End view A**

**End view B**




Integral fixing bracket fixing centres

All dimensions (mm) are nominal

# Legrand powertrack systems

**technical data (continued)**

## Specification / technical data

| Electrical data | |
|---|---|
| Rated current | 63 A |
| Rated voltage | 250 V |
| Frequency | 50/60 Hz |
| Rated conditional short circuit | 16 kA |
| Track conductor resistance – line and neutral | 3 mΩ/m |
| Track conductor impedance | 1·5 mΩ/m |

| Volt drops | |
|---|---|
| Line and neutral : busbars | 3·0 mV/A/m |
| Tap-off (32 A) | 0·4 mV/A |
| 4 mm² cable | 11 mV/A/m |
| Flexible bend | 6·3 mV/A |
| Feeder unit | 0·4 mV/A |
| Track connector | 0·4 mV/A |

| Earth fault loop impedance | |
|---|---|
| Busbar conductors | 1·5 mΩ/m |
| Earth busbar conductor | 1·5 mΩ/m |
| Tap-off (32 A) | 0·6 mΩ |
| Earth housing 4 mm² cable | 1·1mΩ/m |
| Feeder unit | 0·4 mΩ |
| Track connector | 0·6 mΩ |
| Flexible bend (10 mm² tri-rated cable) | 6·3 mΩ |

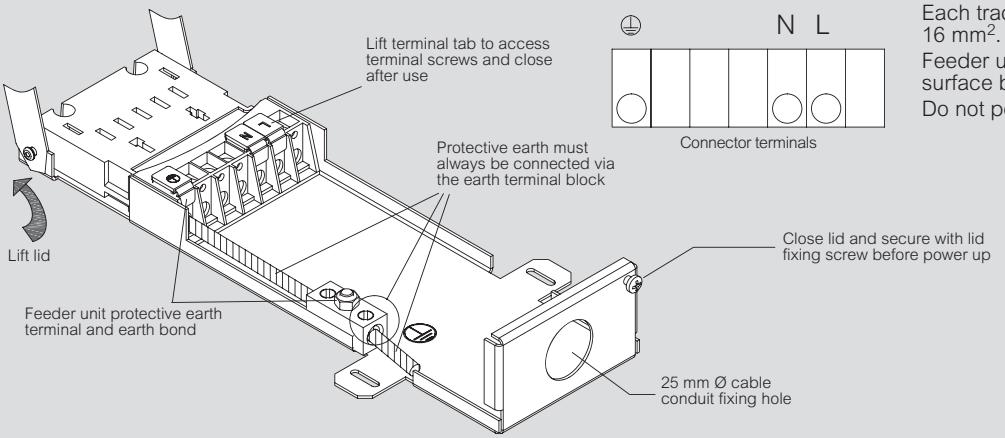
| Mechanical data | |
|---|---|
| Number of conductors | PE + 2, 3 or 5 |
| Track conductor cross section area | 13 mm² |
| Incoming cable termination capacity | 16 mm² |
| Tap-off cable 32 A unfused | 4 mm² |
| Tap-off cable 13 A fused | L/N : 1·5 mm² |
| Tap-off conduit | 16 mm/20 mm diameter |
| Feeder entry | 1 x 25 mm or 2 x 25 mm diameter |
| IP rating | IP 40 (when fully assembled) |
| Maximum profile height | 48 mm including tap-off |

| Material specification | |
|---|---|
| Track housing | Galvanised steel |
| Track conductors | High conductivity copper |
| Track insulator | PTFE |
| Outlets, track connectors, track ends | Flame retardant polycarbonate |
| Tap-off plugs | Flame retardant polycarbonate |
| Track shutters | Acetal |
| Tap-off / flexible bend cable | LSOH to BS 7211 |
| Tap-off / feeder and connector pins | Copper |

All dimensions (mm) are nominal

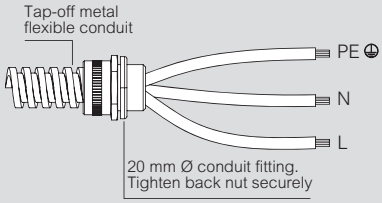
## Product configuration – standard

### Standard feeder unit (Cat. No. 820701) Sub-cabling




Each track feed is suitable for a conductor up to 16 mm$^2$. Tighten all screw terminals securely
Feeder unit box must be securely fixed to surface before conduit or cables are attched to it
Do not power up until track is installed

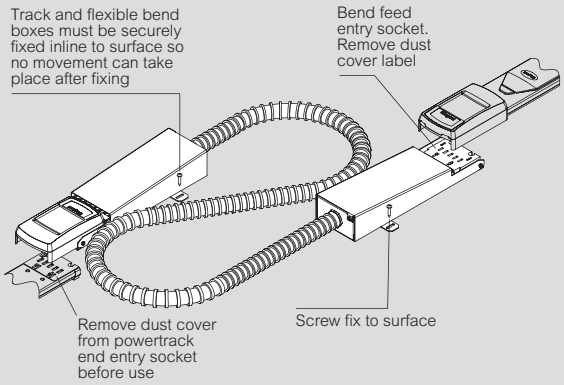
### Tap-off wiring



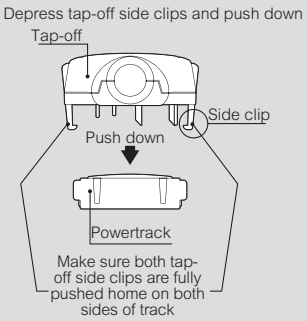

Tap-off lengths are determined by the cable and not conduit length,
e.g. a 3 m tap-off has 3 m of cable and approximately 2·6 m of conduit length

**WARNING**
Extend metal flexible conduit to its full length before terminating cables. Ensure metal conduit is earth bonded

### Standard flexible bend (Cat. No. 820702)



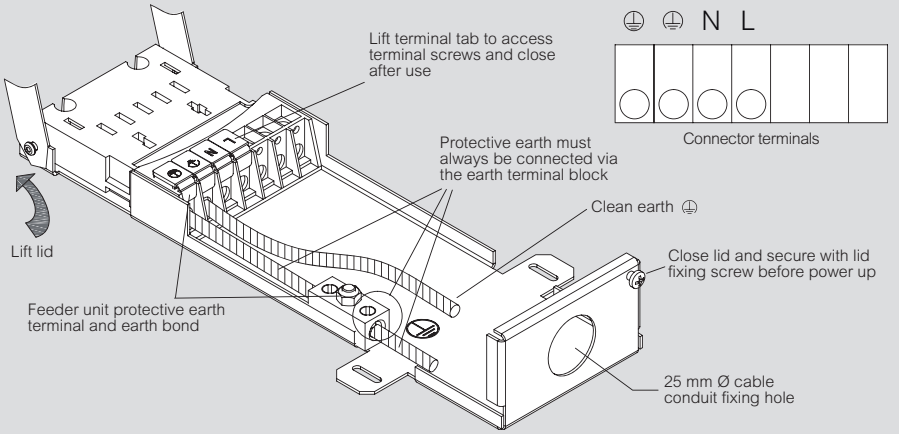

### Tap-off unit connection




All dimensions (mm) are nominal

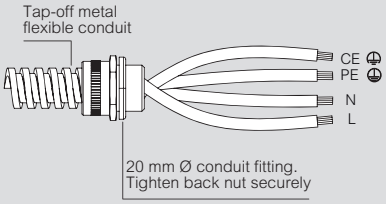
## ■ Product configuration – clean earth

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




Each track feed is suitable for a conductor up to 16 mm$^2$. Tighten all screw terminals securely
Feeder unit box must be securely fixed to surface before conduit or cables are attched to it
Do not power up until track is installed

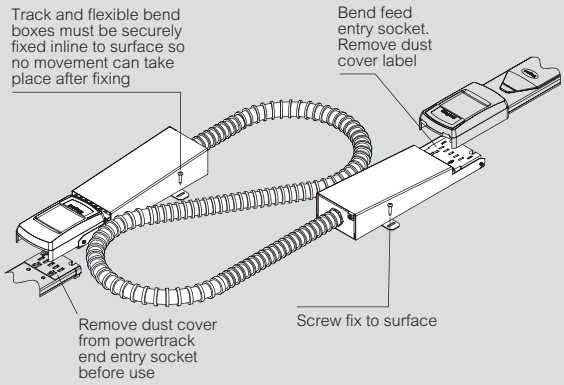
### Tap-off wiring



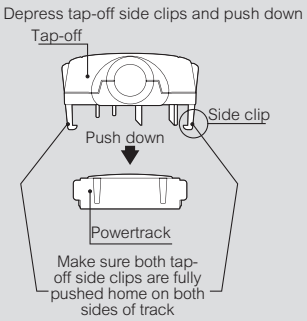

Tap-off lengths are determined by the cable and not conduit length,
e.g. a 3 m tap-off has 3 m of cable and approximately 2·6 m of conduit length

**WARNING**
Extend metal flexible conduit to its full length before terminating cables. Ensure metal conduit is earth bonded

### Clean earth flexible bend (Cat. No. 820802)



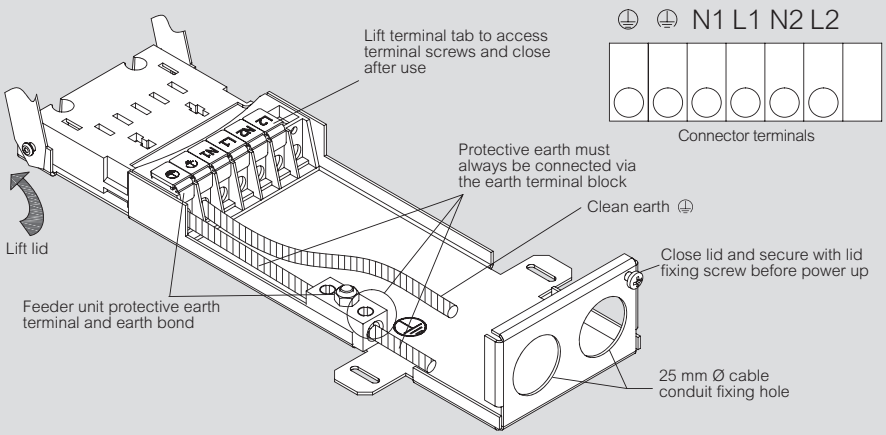

### Tap-off unit connection




All dimensions (mm) are nominal

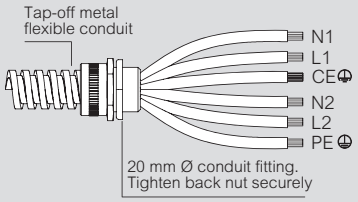
## Product configuration – dual circuit

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




Each track feed is suitable for a conductor up to 16 mm$^2$. Tighten all screw terminals securely
Feeder unit box must be securely fixed to surface before conduit or cables are attched to it
Do not power up until track is installed

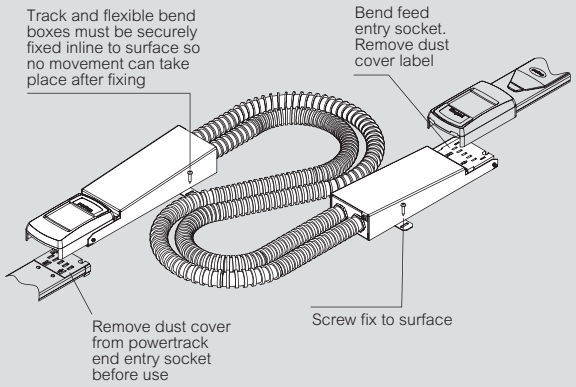
### Tap-off wiring



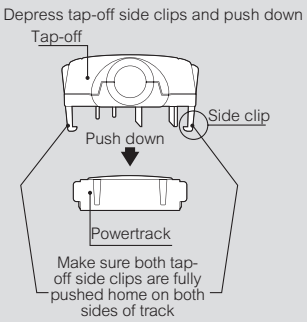

Tap-off lengths are determined by the cable and not conduit length,
e.g. a 3 m tap-off has 3 m of cable and approximately 2·6 m of conduit length

**WARNING**
Extend metal flexible conduit to its full length before terminating cables. Ensure metal conduit is earth bonded

### Dual circuit flexible bend (Cat. No. 820902)




### Tap-off unit connection

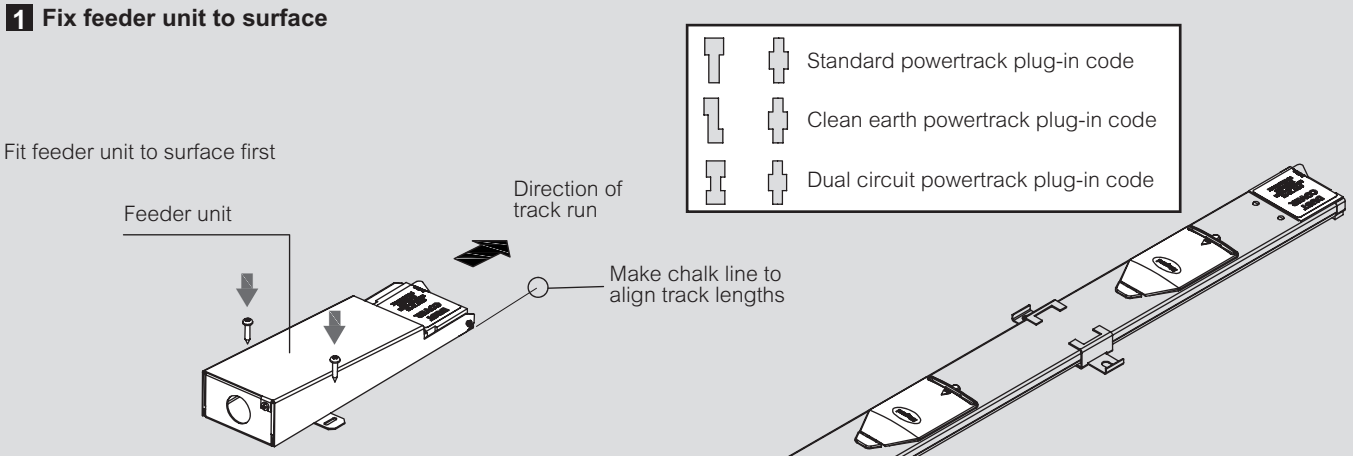



All dimensions (mm) are nominal

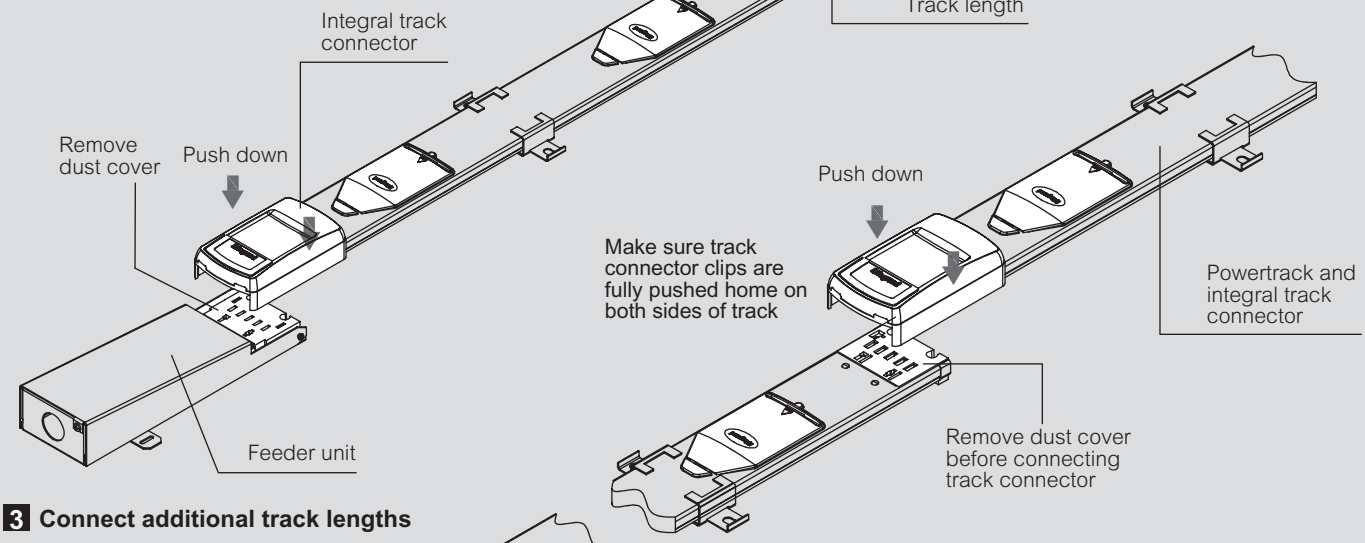
# Legrand powertrack systems

**installation instructions**

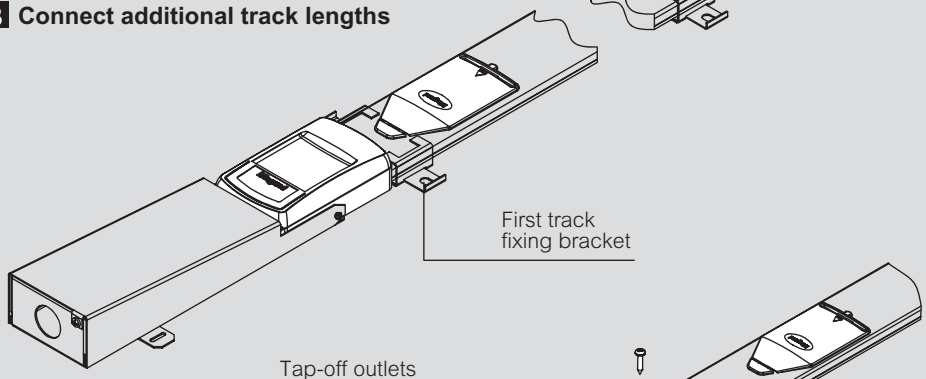
## 1 Fix feeder unit to surface



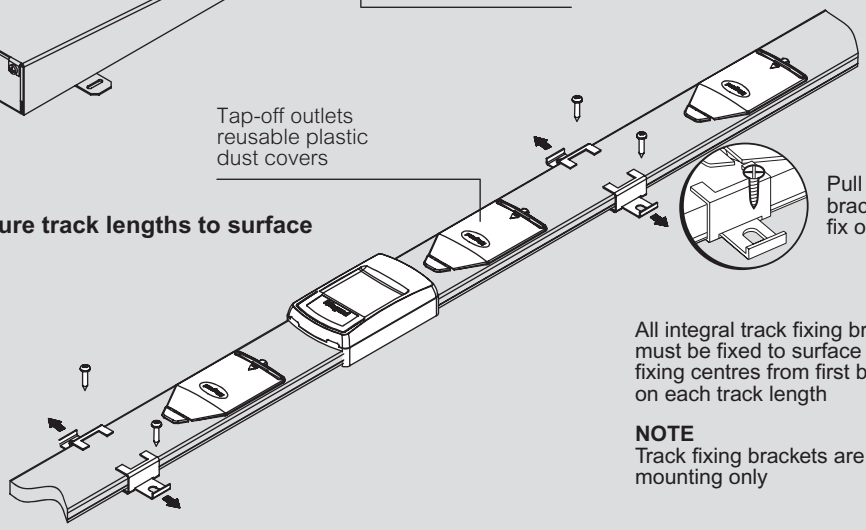

## 2 Connect track length to feeder unit




## 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

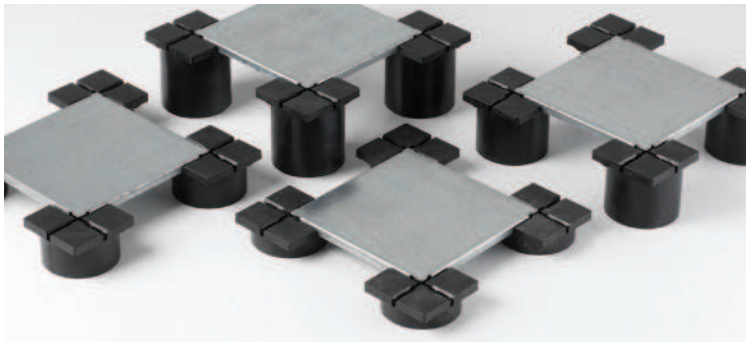
**NOTE**
Track fixing brackets are for slab mounting only

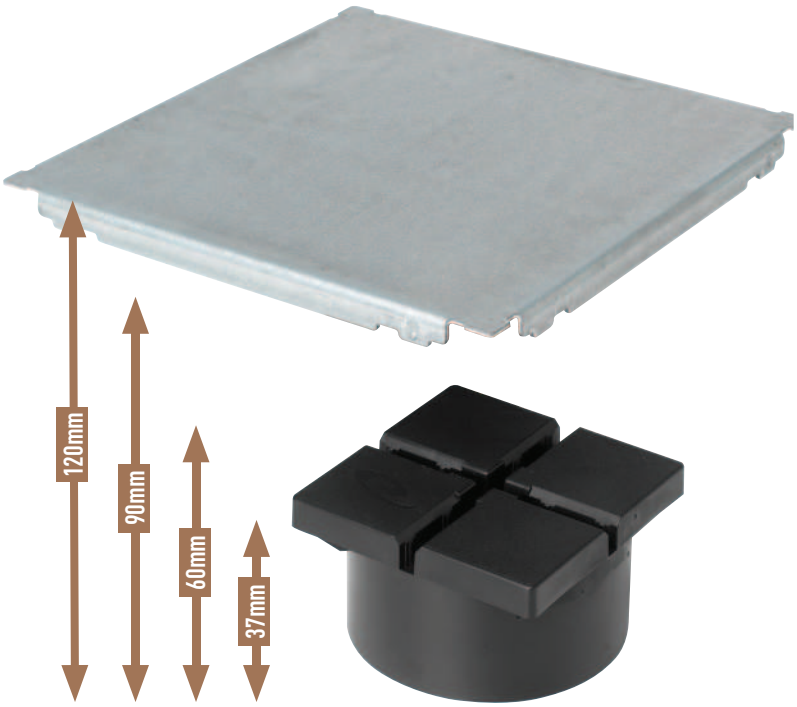
All dimensions (mm) are nominal

# 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) 870 608 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).







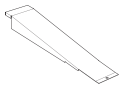
Once the floor has been laid, the required cabling and connections can be installed between the supports by removing the relevant tiles until cabling is complete. The finished installation can then be covered with any type of covering... carpet tiles, rubber, stone or wood. And if the office layout changes,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

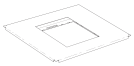
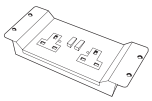
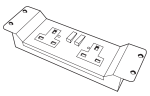
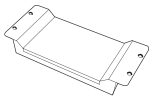
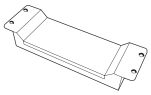
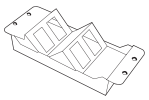
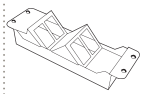
## IDEAL FOR RENOVATION

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 | Earthing tile |
|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |
| **37** | 84000 10 | 84037 00 | 84000 60 | 84000 61 | 84037 22 | 84037 30 | 84037 40 | 84000 20 |
| **60** | 84000 10 | 84060 00 | 84000 60 | 84000 61 | 84060 22 | 84060 30 | 84060 40 | 84000 20 |
| **90** | 84000 10 | 84090 00 | 84000 60 | 84000 61 | 84090 22 | 84090 30 | 84090 40 | 84000 20 |
| **120** | 84000 10 | 84120 00 | 84000 60 | 84000 61 | 84120 22 | 84120 30 | 84120 40 | 84000 20 |

| 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 | 3 comp. data module | 4 comp. data module |
|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |
| **37** | - | - | - | - | - | - | - | - |
| **60** | 84090 81 | 8218 21 | 8218 22 | 8218 23 | 8218 24 | 8218 25 | 8218 26 | 8218 27 |
| **90** | 84090 81 | 8218 21 | 8218 22 | 8218 23 | 8218 24 | 8218 25 | 8218 26 | 8218 27 |
| **120** | 84090 81 | 8218 21 | 8218 22 | 8218 23 | 8218 24 | 8218 25 | 8218 26 | 8218 27 |

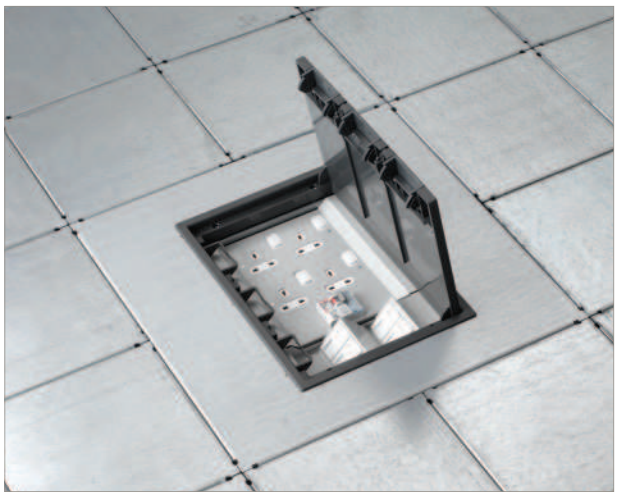
1 : For use with accessory outlet tile or cable outlet tile
2 : For use with accessory outlet tile. Standard version shown. Requires back box, Cat. No. 8218 30. Other configurations available to special order. Contact us on +44 (0) 870 608 9020

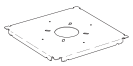
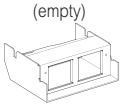
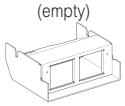
### ■ Floor boxes with lid and trim assemblies :

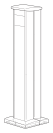
Suitable for 60, 90 and 120 mm systems

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





| | Cable outlet tile | Chrome outlet grommet | Accessory outlet tile | Fixing bracket | 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 30 | 81902 32 | 84000 40 | 84000 50 | 84037 50 | 84037 51 | - | - |
| | 84000 30 | 81902 32 | 84000 40 | 84000 50 | - | - | 84060 72 | 84060 73 |
| | 84000 30 | 81902 32 | 84000 40 | 84000 50 | - | - | - | - |
| | 84000 30 | 81902 32 | 84000 40 | 84000 50 | - | - | - | - |

| | Cable snake – grey[1] | Cable snake – black[1] | Power pole[2] |
|---|---|---|---|
| |  |  |  |
| | 81906 40 | 81906 41 | 86502 10 |
| | 81906 40 | 81906 41 | 86502 10 |
| | 81906 40 | 81906 41 | 86502 10 |
| | 81906 40 | 81906 41 | 86502 10 |

Now also available in 50, 70, 80 and 150 mm heights
**Contact us on +44 (0) 870 608 9020**

## ■ Cable snake

The cable snake creates neat, tidy work spaces by concealing cables between the floor and the desk
For more information, contact us on +44 (0) 870 608 9020



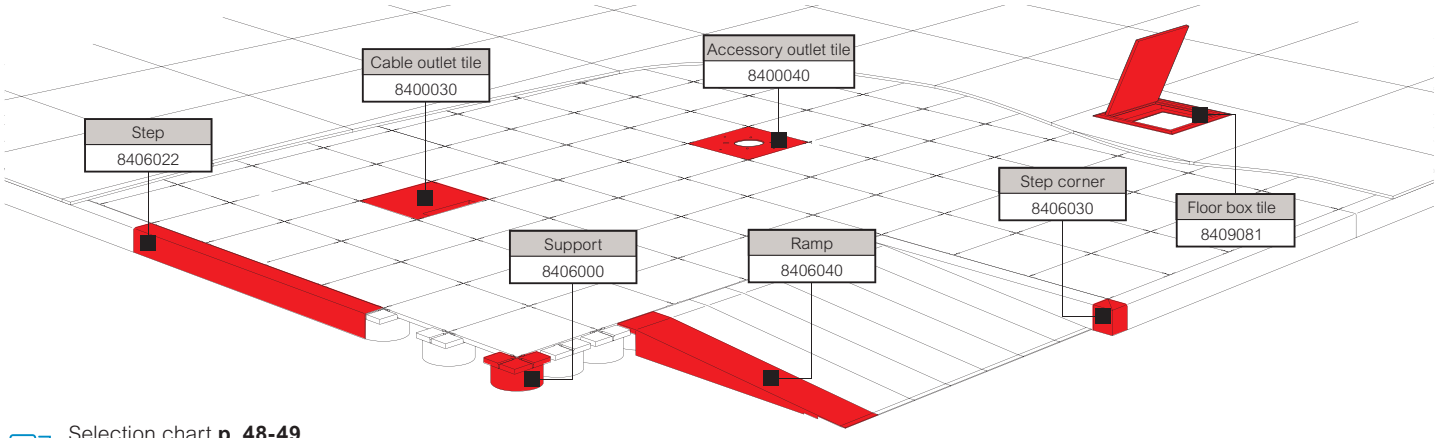
## ■ Power pole

Multiple configurations available to special order
Contact us on +44 (0) 870 608 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

## Floor components

| Pack | Cat. Nos. | |
|---|---|---|
| | | **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<br>Earthing clamp 6 mm² (max.)<br>1 earthing tile per 100 mm² |
| | | **Edge plates** |
| | | Used to finish installation against wall<br>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 |

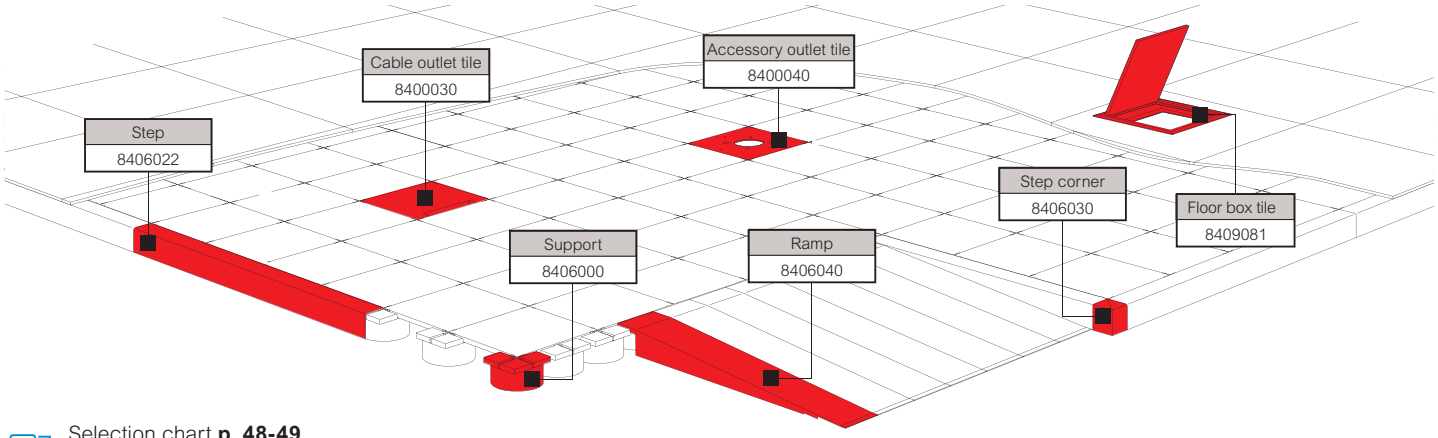
## Floor components (continued)

| Pack | Cat. Nos. | | | |
|---|---|---|---|---|
| | | **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) 870 608 9020**

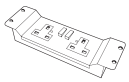
# Soluflex®

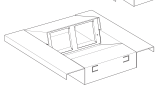
## ultra low cavity floor system (continued)

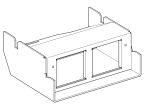


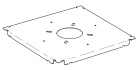
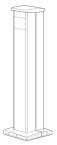

Selection chart **p. 48-49**
Installation instructions **p. 53**
Dimensions **p. 54-55**

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 | |
|---|---|---|---|
| | | **Accessory outlet tile** | |
| 1 | 8400040 | 225 x 225 mm Used to fix power poles, cable snake or grommets |  |
| | | **Aluminium power pole** | |
| 1 | 8650210 | 670 mm high |  |
| 1 | 821830 | Single power pole back box | |
| 1 | 8400050 | Accessory outlet tile fixing bracket |  |
| | | **Accessories** | |
| 1 | 8190232 | Chrome outlet grommet |  |
| 1 | 8190640 | Grey cable snake |  |
| 1 | 8190641 | Black cable snake | |
| 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 10326
- The supports are made of polypropylene. Inflammability class B2 according to DIN 4102

### Weights and measures

- Dimensions of tiles : 225 x 225 mm
- 4 different heights : 37 mm, 60 mm, 90 mm, 120 mm
  Other heights available on request (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 $m^2$ by means of an earthing tile
- In stretched areas such as corridors, place an earthing tile at least every 14 metres
- The electrical installation should always be carried out by a qualified electrician in conjunction with the requirements of the latest wiring regulations
- To create 'islands', install 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**

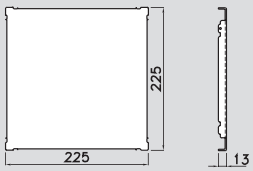


# Soluflex® cavity floor system

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

## Dimensions (mm)

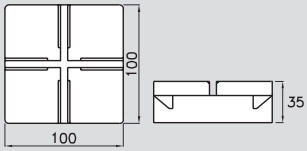
### Tile




Cat. No. 8400010

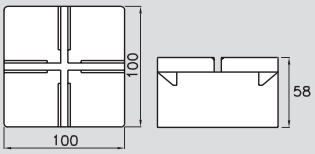
### Supports

For 37 mm height



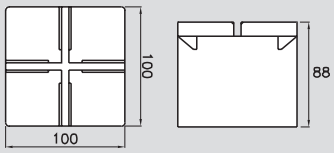

Cat. No. 8403700

For 60 mm height



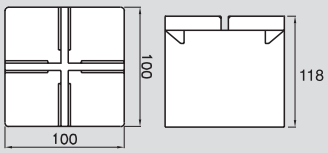

Cat. No. 8406000

For 90 mm height



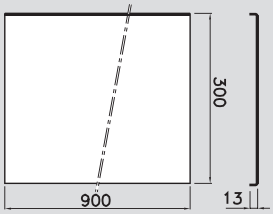

Cat. No. 8409000

For 120 mm height



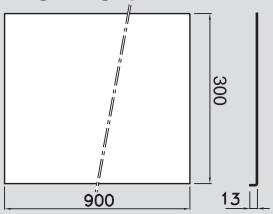

Cat. No. 8412000

### Double edge plate




Cat. No. 8400060

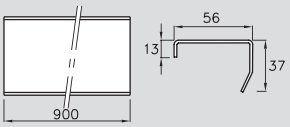
### Single edge plate




Cat. No. 8400061

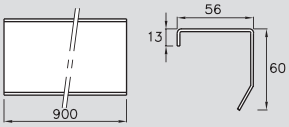
### Steps

For 37 mm height



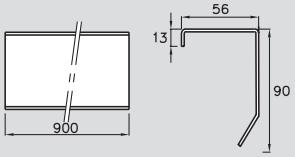

Cat. No. 8403722

For 60 mm height



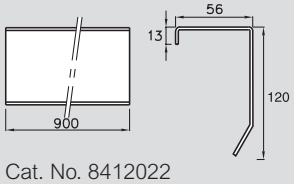

Cat. No. 8406022

For 90 mm height




Cat. No. 8409022

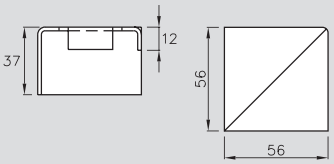
For 120 mm height




Cat. No. 8412022

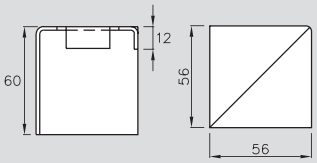
### Step corner

For 37 mm height



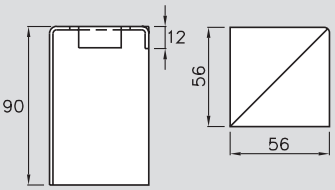

Cat. No. 8403730

For 60 mm height



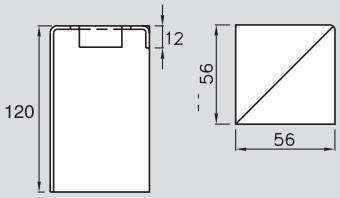

Cat. No. 8406030

For 90 mm height




Cat. No. 8409030

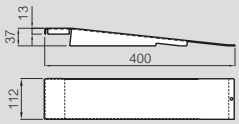
For 120 mm height




Cat. No. 8412030

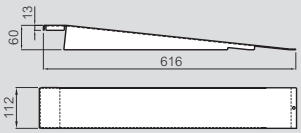
### Ramp

For 37 mm height



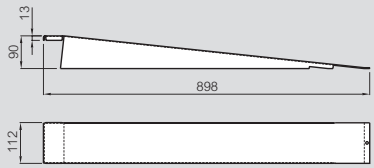

Cat. No. 8403740

For 60 mm height



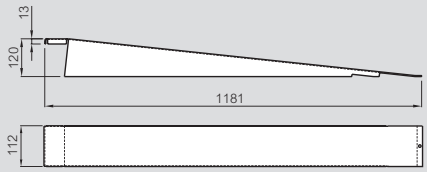

Cat. No. 8406040

For 90 mm height




Cat. No. 8409040

For 120 mm height




Cat. No. 8412040

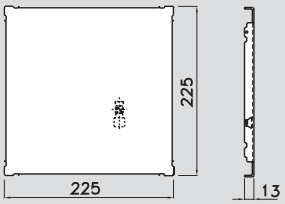
All dimensions (mm) are nominal

# Soluflex® cavity floor system

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

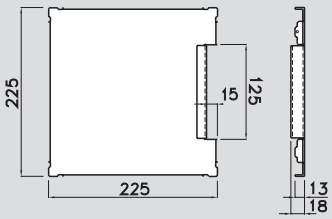
## Dimensions (mm)

### Earthing tile



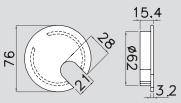

Cat. No. 8400020

### Cable outlet tile



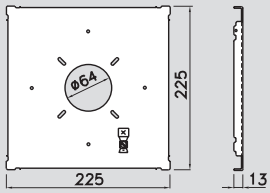

Cat. No. 8400030

### Chrome outlet grommet



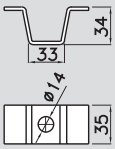

Cat. No. 8190232

### Accessory outlet tile




Cat. No. 8400040

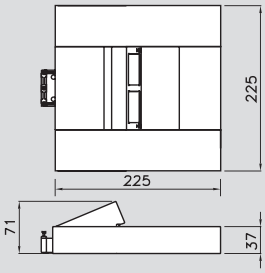
### Fixing bracket




Cat. No. 8400050

### Semi-submerged unit

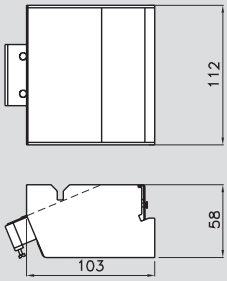
For 37 mm range only




Cat. Nos. 8403750 Power
8403751 Data

### Fully submerged power unit 2 x 240 V (empty)

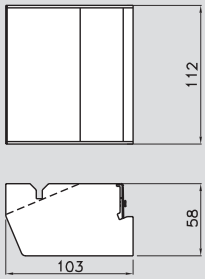
For 60 mm range only




Cat. No. 8406072

### Fully submerged data unit 2 x 2 data (empty)

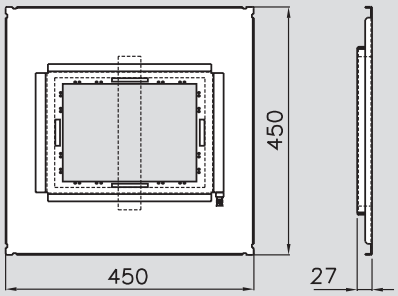
For 60 mm range only




Cat. No. 8406073

### Floor box tile

For 60 mm, 90 mm, 120 mm ranges only



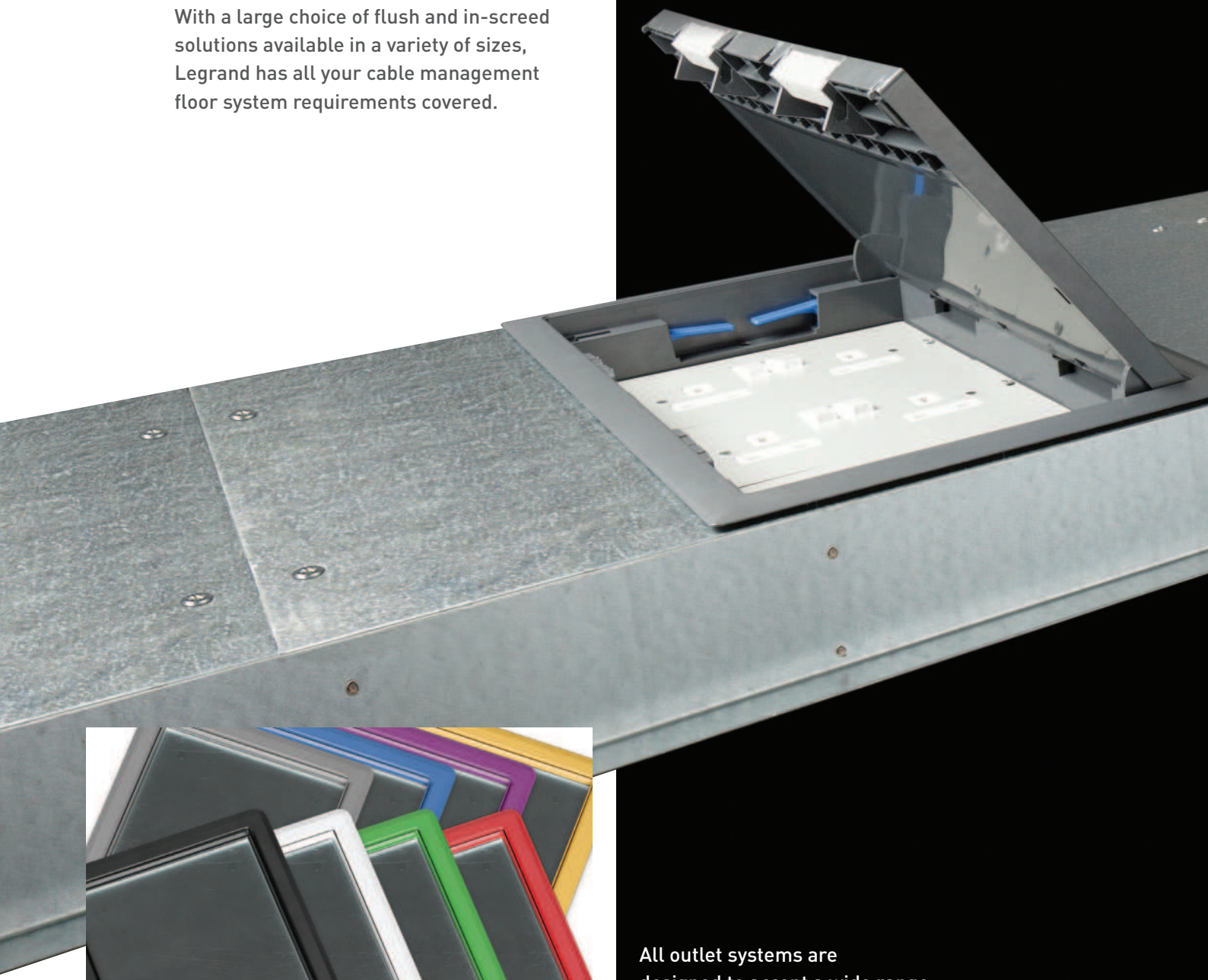

Cat. No. 8409081

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.

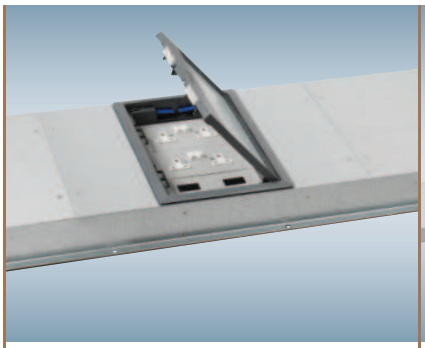




All outlet systems are designed to accept a wide range of mix and match lids and trims.

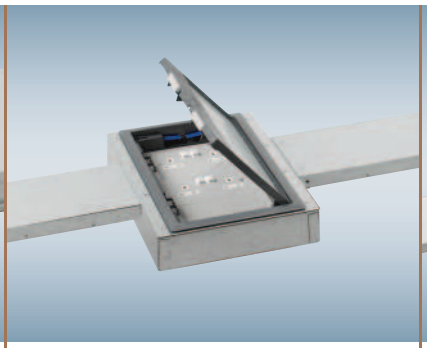
Bespoke metal trims are available in any RAL reference to suit a building's design scheme.

# PRODUCT RANGES



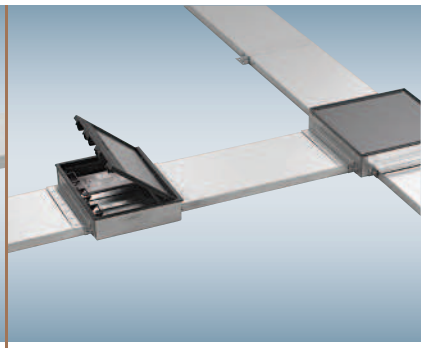
## FLUSH FLOOR TRUNKING

- 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



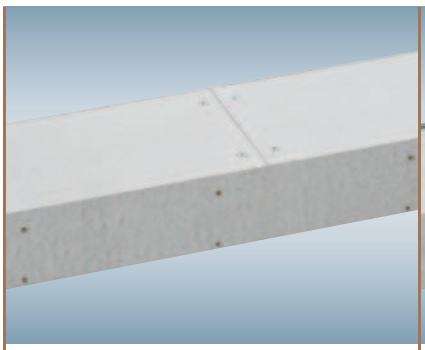
## SHALLOW FLUSH FLOOR TRUNKING

- 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



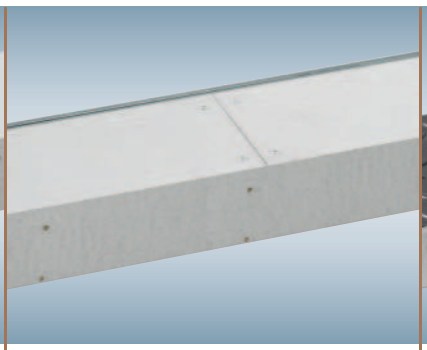
## UNDERFLOOR DUCT

- 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



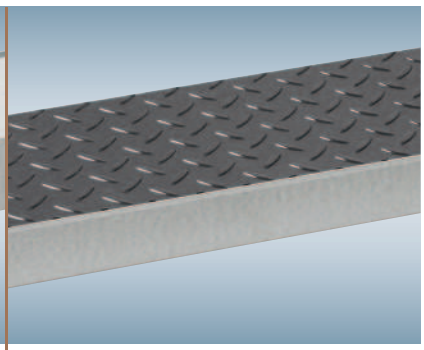
## FLUSH LID FLOOR TRUNKING

- 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

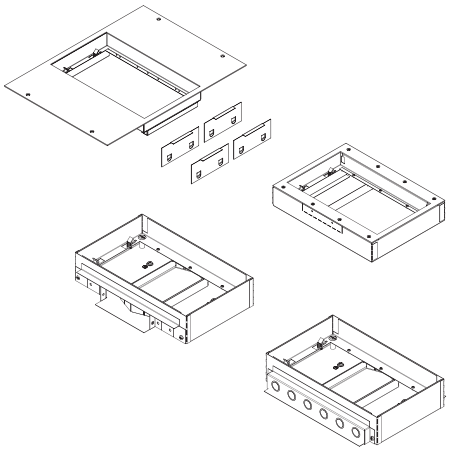
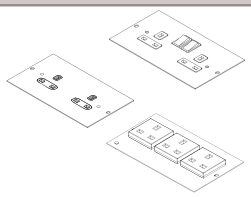
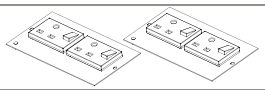
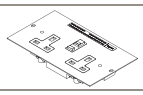
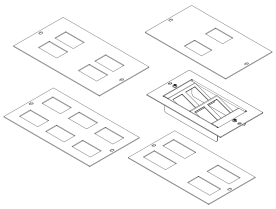
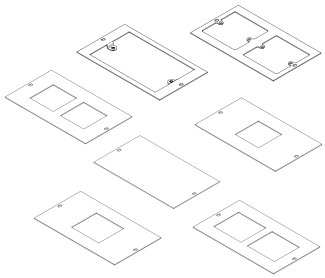


## CHEQUER PLATE FLOOR TRUNKING

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

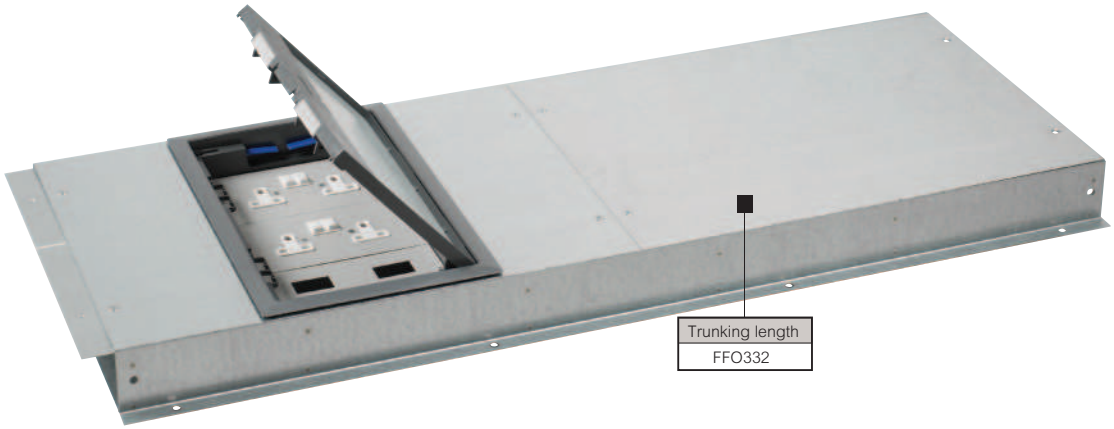
# screed floor service outlet boxes

## selection chart

| No. of compartments | |
|---|---|
| **Floor box base** | |
| **System type**  | Service outlet 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 |
| **Socket 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 |
| | Metal, powder coated with edge trim – 8 mm recess |
| | Stainless steel with carpet trim – 8 mm recess |
| | Stainless steel with edge trim – 8 mm recess |
| | Brass with carpet trim – 8 mm recess |
| | Brass with edge trim – 8 mm recess |

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 |




Screed floor outlet boxes selection chart **p. 58-59**
Dimensions and technical information **p. 66**
Installation details **p. 69**

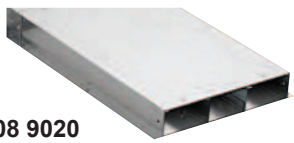
Body and lid manufactured from pre-galvanised sheet steel to BS EN 10142 and 3
Standard lengths : trunking 2·0 m, lid 0·5 m
Standard lid thickness : 2·5 mm
Each 2 m length is fitted with 4 x 500 mm long lids and supplied complete with all necessary connectors and screws
Trunking to floor fixings not supplied
A service outlet floor box can be fitted at each lid position

| Pack | Cat. Nos. | Flush floor trunking |
|---|---|---|
| | | **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<br>Provides conduit entry with<br>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 –<br>150 mm high skirting |
| 1 | FFOS3SK8 \| FFOS4SK8 | 370 x 65 –<br>200 mm high skirting |
| | | **Cable trunking adaptor** |
| 1 | 3 comp FFOT332T \| 4 comp FFOT342T | 370 x 65 mm<br>To complete the Cat. No. specify :<br>T = standard cable trunking Cat. No.<br>Example : FFOT 332 MGR623C |

| Pack | Cat. Nos. | Flush floor trunking (continued) |
|---|---|---|
| | | **End cap** |
| 1 | FFO3312 | 370 x 65 mm |
| | | **Junction box** |
| | | Supplied with connections and plates<br>Can be configured as a fourway,<br>tee, bend or straight through<br>connector box |
| 1 | 3 comp FFO3313 \| 4 comp FFO3413 | 370 x 65 mm |

| Pack | Cat. Nos. | Service outlet base boxes |
|---|---|---|
| | | Service outlet base boxes are supplied fitted into a 500 mm long cover<br>To complete the system, the outlet base box requires outlet plates, lid and trim<br>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
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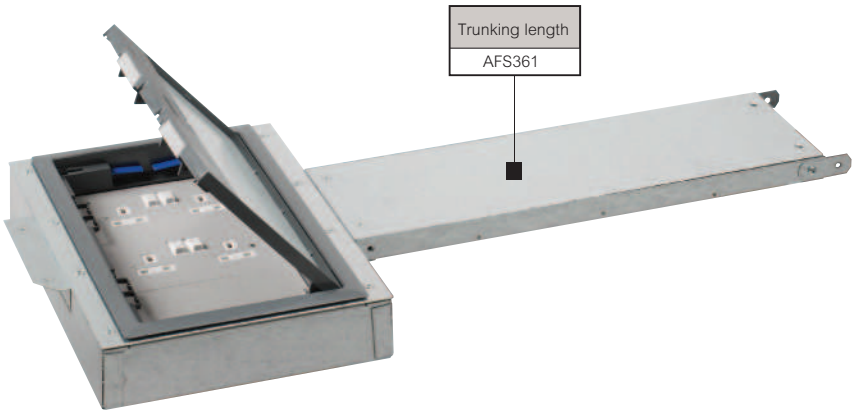


All trims for service outlet boxes can be ABS, stainless steel, brass or powder coated any colour **p. 64**



# commercial floor trunking systems

## shallow flush floor trunking

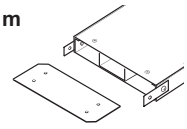



Screed floor outlet boxes selection chart **p. 58-59**
Dimensions and technical information **p. 67**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10142 and 3
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

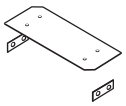
### Shallow flush floor trunking

**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 |

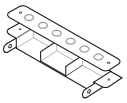
**Spare connector set**



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

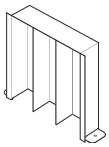
**90° riser bend**

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**



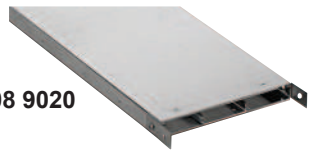
| Pack | Cat. Nos. | |
|---|---|---|
| 1 | AFSS F SK S | To complete the Cat. No. specify :<br>F = shallow flush floor trunking size code<br>S = skirting trunking height in inches<br>Example : AFSS 361 SK6 |

**Cable trunking adaptor**



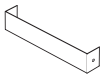
| Pack | Cat. Nos. | |
|---|---|---|
| 1 | AFST F T | Supplied with turnbuckle fix lid<br>To complete the Cat. No. specify :<br>F = shallow flush floor trunking size code<br>T = standard cable trunking Cat. No.<br>Example : AFST 361 MGR623C |

Shallow flush floor trunking can be supplied in different widths and depths
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### Shallow flush floor trunking (continued)

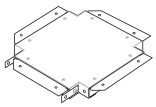
**End cap**



| 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**

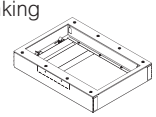
Supplied with connections and plates
Can be configured as a fourway, tee, bend or straight through connector box



| 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 |

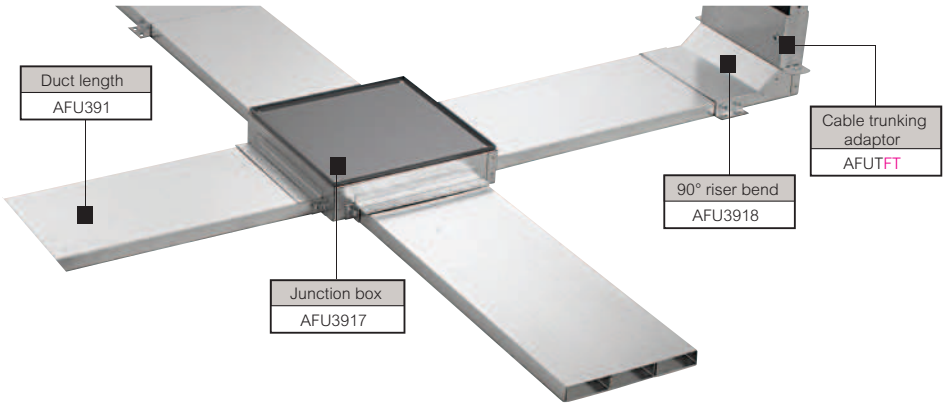
### Service outlet base boxes

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 |




Screed floor outlet boxes selection chart **p. 58-59**
Dimensions and technical information **p. 67**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10142 and 3
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<br>Provides conduit entry with<br>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 :<br>F = underfloor duct size code<br>S = skirting trunking height in inches<br>Example : AFUS 391 SK6 |
| | | | **Cable trunking adaptor** |
| 1 | AFUT F T | | Supplied with turnbuckle fix lid<br>To complete the Cat. No. specify :<br>F = underfloor duct size code<br>T = standard cable trunking Cat. No.<br>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<br>When using with a conduit system, select junction box depending on conduit size<br>For 20 mm conduit use junction box that would suit a 25 mm ducting<br>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
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# commercial floor trunking systems

## underfloor duct (continued)

Service outlet box 2 compartment
AFU2CON78



Service outlet box 3 compartment
AFU3CON78

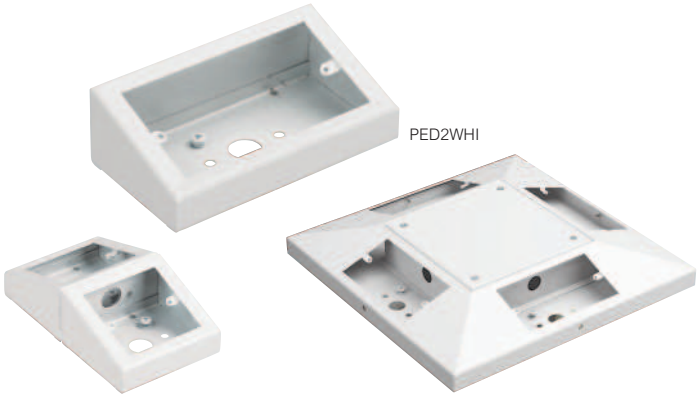


Screed floor outlet boxes selection chart **p. 58-59**
Dimensions and technical information **p. 67**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10142 and 3
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<br>To complete the system, the outlet base box requires outlet plates, lid and trim<br>Outlet plates, lids and trims ordered separately, (see p. 64)<br>Use a 2 or 4 compartment service outlet box with 2 compartment duct<br>2 compartment box can only be used with 150 and 225 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 |
| | | **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 |

# pedestal units



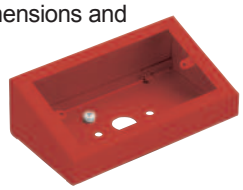

Dimensions and technical information **p. 70**

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** |

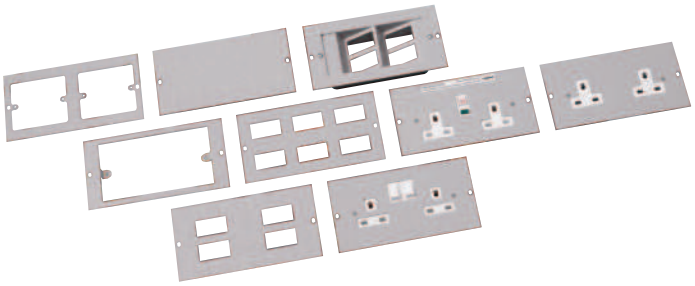
Pedestal units are available in other dimensions and finishes to special order

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# outlet plates for floor trunking

**power and data**



Screed floor outlet boxes selection chart **p. 58-59**
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



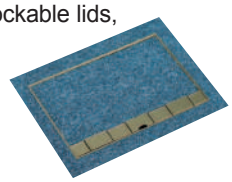
Screed floor outlet boxes selection chart **p. 58-59**
Installation details **p. 30**

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 |
| 1 | FBL1SCT | FBL2SCT | Stainless steel |
| 1 | FBL1BCT | FBL2BCT | Brass |
| | | | **Edge trim** |
| 1 | – | FBL2COM | ABS lid/metal trim – ABS/grey |
| 1 | FBL1MET | FBL2MET | Metal – grey |
| 1 | FBL1SET | FBL2SET | Stainless steel |
| 1 | FBL1BET | FBL2BET | Brass |
| | | | **3 and 4 compartment** |
| | | | **Carpet trim** |
| 1 | FBL3ABS | | ABS |
| 1 | FBL3MCT | | Metal – grey |
| 1 | FBL3SCT | | Stainless steel |
| 1 | FBL3BCT | | Brass |
| | | | **Edge trim** |
| 1 | FBL3COM | | ABS lid/metal trim – ABS/grey |
| 1 | FBL3MET | | Metal – grey |
| 1 | FBL3SET | | Stainless steel |
| 1 | FBL3BET | | Brass |

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) 870 608 9020**



# commercial floor trunking systems

## flush lid floor trunking




Dimensions and technical information **p. 68**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10142 and 3
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<br>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 plates<br>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

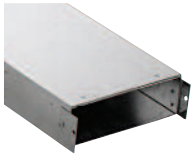


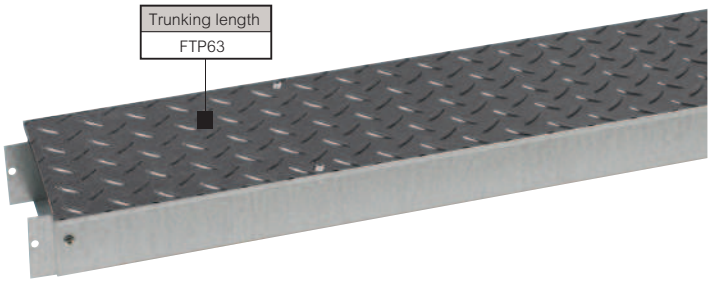

Dimensions and technical information **p. 68**
Installation details **p. 69**

Body and lid manufactured from pre-galvanised sheet steel to BS EN 10142 and 3
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<br>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 plates<br>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) 870 608 9020**

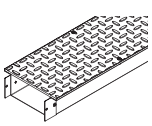


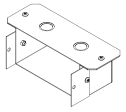


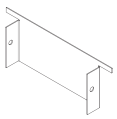

Dimensions and technical information **p. 68**
Installation details **p. 69**

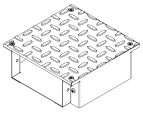
Body manufactured from pre-galvanised sheet steel to BS EN 10142 and 3
Lid manufactured from mild steel, powder coated grey 18B25
Other colours available to special order
Standard lengths : body 2·0 m, lid 1·0 m
Standard lid thickness : 6·5 mm
Chequer plate floor trunking is available in single compartment 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<br>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 plates<br>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 |

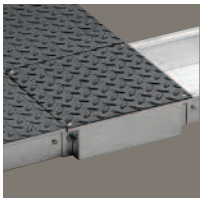




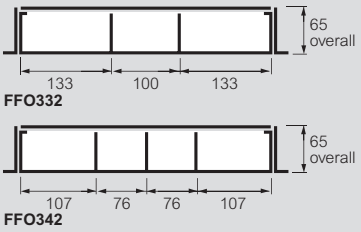




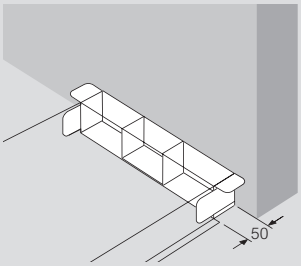
Chequer plate floor trunking can be supplied in other widths, depths and compartment configurations to special order
**Contact us on +44 (0) 870 608 9020**



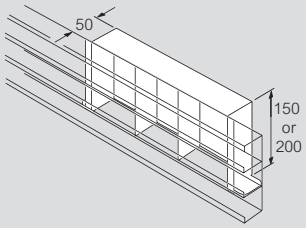
## Flush floor trunking



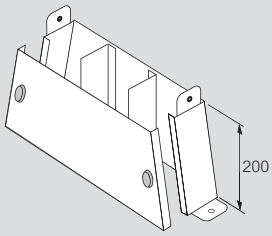

### 90° riser bends



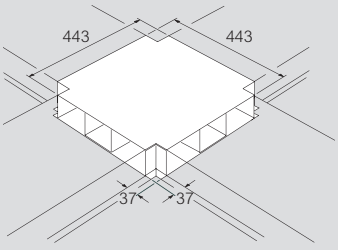

### Back entry skirting adaptor




### Cable trunking adaptors




### Junction box



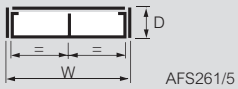

### Service outlet boxes



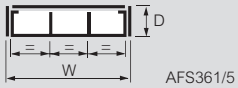

Reduced cabling area when fitting service outlet box

## Shallow flush floor trunking

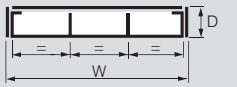
| Cat. No. | W | D |
|---|---|---|
| AFS261 | 155 | 25 |
| AFS265 | 155 | 38 |
| AFS361 | 155 | 25 |
| AFS365 | 155 | 38 |
| AFS391 | 230 | 25 |
| AFS395 | 230 | 38 |



AFS261/5



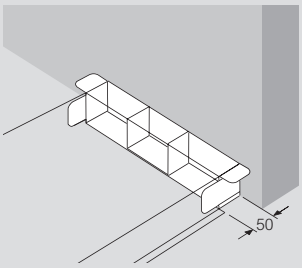
AFS361/5



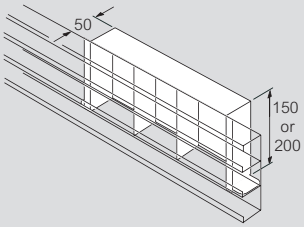
AFS391/5

W = Overall trunking width
D = Overall trunking depth

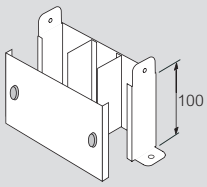
### 90° riser bends




### Back entry skirting adaptor



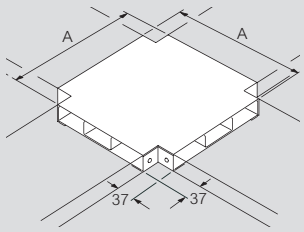

### Cable trunking adaptors




### Junction box

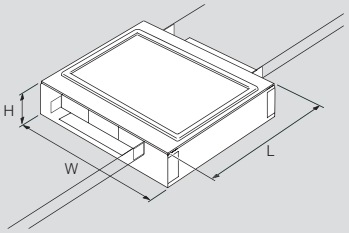
| Trunking width | A |
|---|---|
| 150 | 223 |
| 225 | 298 |

A = Trunking end to end




### Service outlet boxes

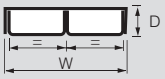
| Compartment | W | L | H |
|---|---|---|---|
| 2C | 297 | 274 | 65 |
| 3C | 372 | 274 | 65 |
| 4C | 372 | 274 | 65 |




All dimensions (mm) are nominal

## Underfloor duct

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



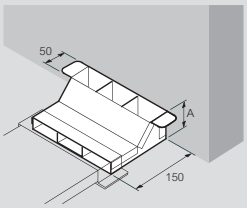

| Cat. No. | W | D |
|---|---|---|
| AFU361 | 150 | 25 |
| AFU365 | 150 | 38 |
| AFU391 | 225 | 25 |
| AFU395 | 225 | 38 |
| AFU311 | 300 | 25 |
| AFU315 | 300 | 38 |



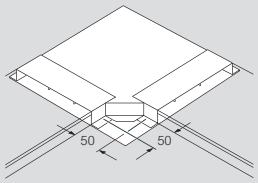

W = Overall ducting width
D = Overall ducting depth

### 90° riser bends

| Duct depth | A |
|---|---|
| 25 | 65 |
| 38 | 75 |




### 90° flat bends



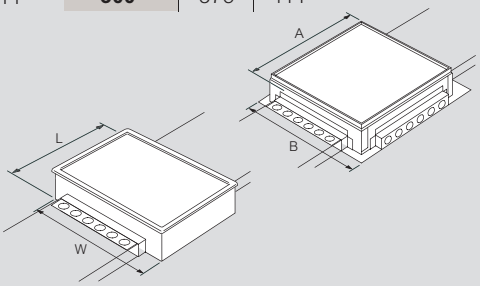

### Junction box

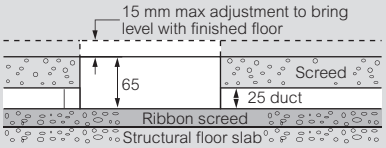
| Shallow junction box to suit 25 mm duct / 20 mm conduit | | |
|---|---|---|
| Junction box trunking width | A | B |
| 150 | 300 | 336 |
| 225 | 300 | 336 |
| 300 | 375 | 411 |

| 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 |

### Service outlet box

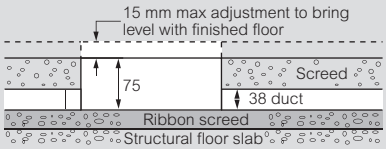
| Compartment | W | L |
|---|---|---|
| 1C | 175 | 245 |
| 2C | 275 | 245 |
| 3C | 350 | 245 |
| 4C | 350 | 245 |




**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

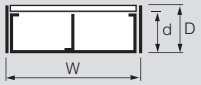
Using a 38 mm deep duct, junction boxes and service outlet boxes provide conduit entry with 20/25 mm combination knockouts and are adjustable from 75 to 90 mm deep

## 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 |

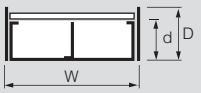
**W** = Overall trunking width
**d** = Depth to underside of trunking lid
**D** = Overall trunking depth




### Recessed lid

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

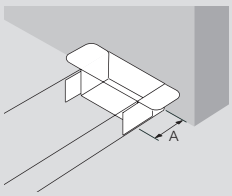
**W** = Overall trunking width
**d** = Depth to underside of trunking lid
**D** = Overall trunking depth




### 90° riser bends

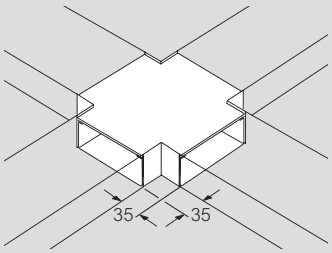
For flush lid and recessed lid floor trunking

| Duct depth | A |
|---|---|
| **50** | 50 |
| **75** | 75 |
| **100** | 100 |



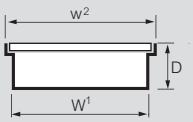

### Junction box

For flush lid and recessed lid floor trunking




All dimensions (mm) are nominal

## Chequer plate floor trunking

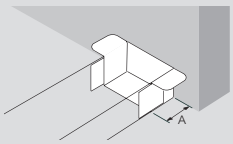



W¹ = Overall trunking width
D = Overall trunking depth
w² = Overall width including trunking lid

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

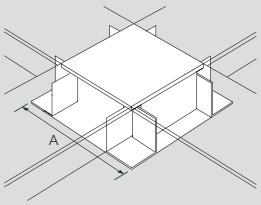
### 90° riser bends

| Duct depth | A |
|---|---|
| **50** | 50 |
| **75** | 75 |
| **100** | 100 |



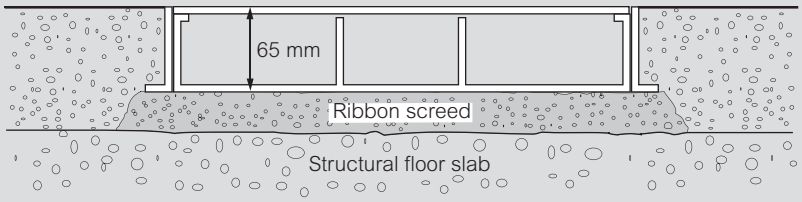

### Junction box

| Trunking width | A |
|---|---|
| **100** | 150 |
| **150** | 200 |
| **300** | 350 |

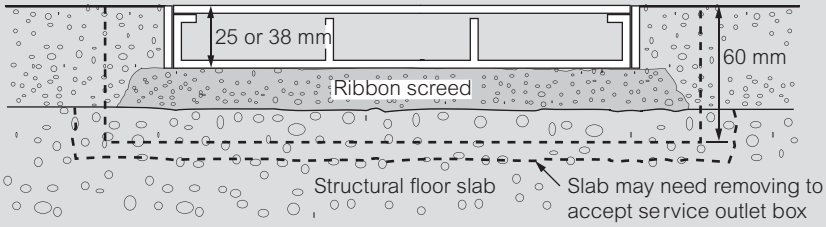


## Installation details

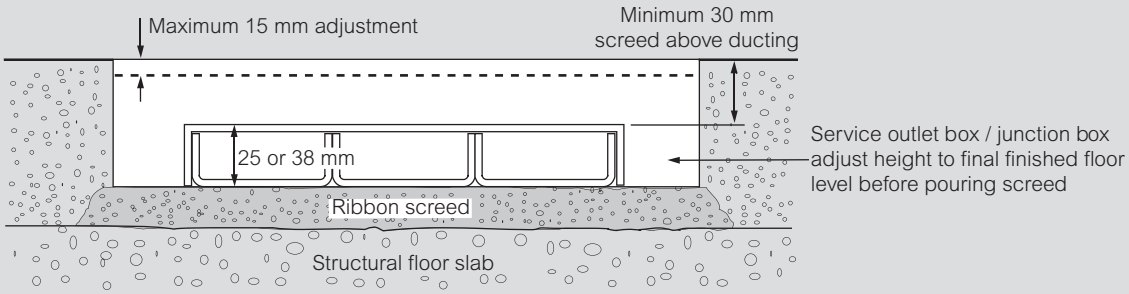
### Flush floor trunking in screeded floor



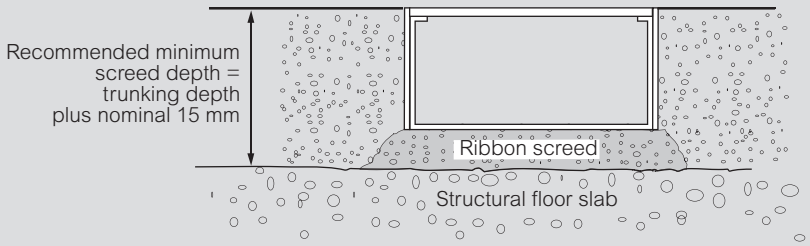

### Shallow flush floor trunking in screeded floor



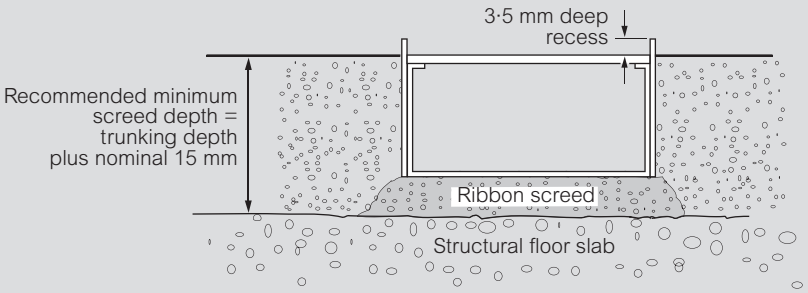

### Underfloor duct in screeded floor



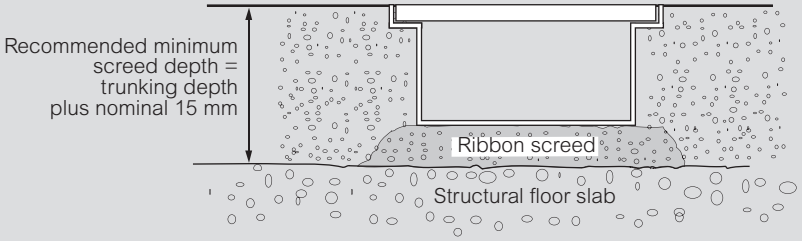

### Flush lid floor trunking in screeded floor




### Recessed lid floor trunking in screeded floor




### Chequer plate floor trunking in screeded floor

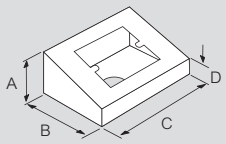


## Pedestal units dimensions

Single socket

Cat. No. PED1WHI

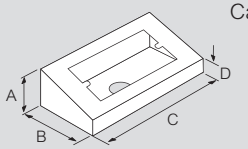
| | |
|---|---|
| **A** | 54 |
| **B** | 89 |
| **C** | 102 |
| **D** | 24 |




Twin socket

Cat. No. PED2WHI

| | |
|---|---|
| **A** | 54 |
| **B** | 89 |
| **C** | 162 |
| **D** | 24 |

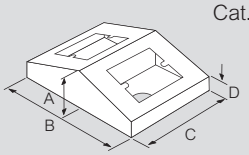



**Back-to-back sockets**

Single socket

Cat. No. PED3WHI

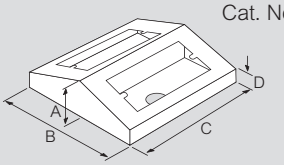
| | |
|---|---|
| **A** | 54 |
| **B** | 178 |
| **C** | 102 |
| **D** | 24 |




Twin socket

Cat. No. PED4WHI

| | |
|---|---|
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| **B** | 178 |
| **C** | 162 |
| **D** | 24 |

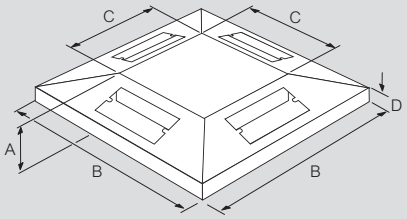



For all pedestal units above, hole diameter in base is 20 mm

**Pyramid box**

Cat. No. PED8WHI

| | |
|---|---|
| **A** | 55 |
| **B** | 368 |
| **C** | 184 |
| **D** | 24 |




All dimensions (mm) are nominal

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|---|---|
| **0800 00** | |
| 0893 07 | 28 |
| **5000 00** | |
| 5721 10 | 16 |
| 5721 11 | – |
| 5721 30 | – |
| 5721 32 | – |
| 5724 67 | – |
| **7000 00** | |
| 7300 60 | 16 |
| 7300 70 | – |
| 7300 98 | – |
| 7330 60 | – |
| 7330 70 | – |
| 7330 98 | – |
| **8000 00** | |
| 8204 50 | 16 |
| 8204 51 | – |
| 8207 01 | 35 |
| 8207 02 | – |
| 8207 03 | – |
| 8207 12 | – |
| 8207 18 | – |
| 8207 30 | – |
| 8207 32 | – |
| 8207 34 | – |
| 8207 38 | – |
| 8207 52 | – |
| 8207 54 | – |
| 8207 58 | – |
| 8208 01 | 36 |
| 8208 02 | – |
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| 8208 12 | – |
| 8208 18 | – |
| 8208 30 | – |
| 8208 32 | – |
| 8208 34 | – |
| 8208 38 | – |
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| 8209 01 | 37 |
| 8209 02 | – |
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| 8209 12 | – |
| 8209 18 | – |
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| 8209 58 | – |
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| 8218 23 | – |
| 8218 24 | – |
| 8218 25 | – |
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| 8218 27 | – |
| 8218 30 | – |
| 8218 46 | 16 |
| 8218 47 | – |

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| 8190641 | – |
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| 8403740 | – |
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| 8403751 | – |
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| 8406022 | – |
| 8406030 | – |
| 8406040 | – |
| 8406072 | 51 |
| 8406073 | – |
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| 8409022 | – |
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| 8409040 | – |
| 8409081 | 51 |
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| 8650210 | 51 |
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| AFS3BB365 | – |
| AFS3BB391 | – |
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| AFS4BB365 | – |
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| AFSTFT | – |
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| AFU3BB78 | 63 |
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| AFUTFT | – |
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| CAV485 | – |
| CAV2110 | – |
| CAV3110 | – |
| CAV4110 | – |
| CB3 | – |
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| PED8WHI | – |
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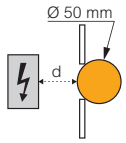
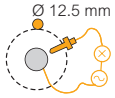
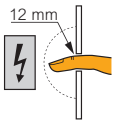
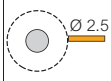
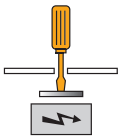
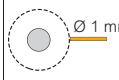
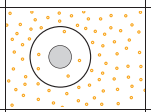
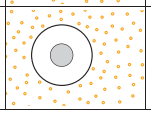
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| SP3107 | – |
| SP3200 | – |
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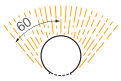
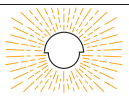
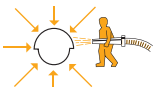
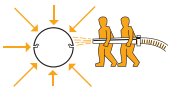
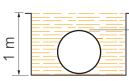
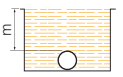
| Cat. Nos. | Page No. |
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| SP3231 | 27 |
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| SP3310 | – |
| SP3403 | – |
| SP3404 | – |
| SP3408 | – |
| SP3603 | – |
| SP4000 | – |
| SP4106 | – |
| SP4107 | – |
| SP4200 | – |
| SP4201 | – |
| SP4202 | – |
| SP4203 | – |
| SP4206 | – |
| SP4207 | – |
| SP4211 | – |
| SP4212 | – |
| SP4221 | – |
| SP4231 | – |
| SP4300 | – |
| SP4310 | – |
| SP4403 | – |
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| SP4408 | – |
| SP4603 | – |

# Protection classifications

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

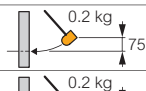
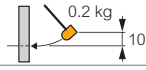
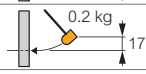
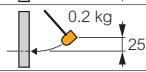
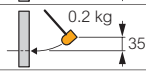
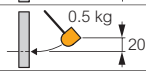
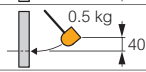
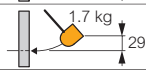
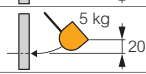
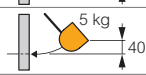
Degree of protection of enclosures of electrical equipment in accordance with standards IEC 60529, BS EN 60529
Up to 1 000 V~ and 1 500 V⎓

| 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.**

# Health and Safety at Work, etc. Act. 1974

## 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.

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## Health and Safety at Work Act

## The Electricity at Work Regulations, 1989

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For information concerning wiring device standards outside the UK contact :

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Floor and Perimeter Systems Technical Guide 05/2014.5K

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