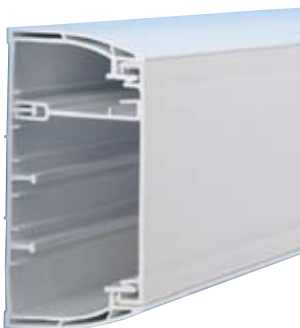


# Schneider Electric cable management Catalogue

The guide to the MITA range 2011





## Schneider Electric's Mita range brings you a complete solution for all your cabling demands.

With an enhanced and extensive product portfolio, we are well placed to provide you with safe, reliable and integrated solutions for your electrical needs. Our products are designed for ease of installation, offer high levels of functionality and low cost of ownership and maintenance.

Everything we do is focused on producing the most effective, attractive and cost-efficient cable management solutions for the present market – and the future.

**Make the most of your energy <sup>SM</sup>**



# Contents

Complete cable management solutions - MITA Range	4-5
Premium products	6-7
<b>Perimeter trunking</b>	<b>8-26</b>
Cableline range	8-22
Prima 60	10-13
Ambassador	14-18
Envoy	19-22
Consort Delta 105	23-26
<b>Flooring Systems</b>	<b>27-39</b>
Floor boxes	28-33
Underfloor Power track	34-35
Flush screed trunking	36
Underscreed trunking	37-39
<b>PVC trunking - TRK heavy duty trunking</b>	<b>40-43</b>
<b>Technical datasheets</b>	<b>44-54</b>

# Cable management solutions

## Solutions for the office environment

Schneider Electric's cable management systems set new standards in performance and aesthetic appeal. They are the natural choice for fast-moving environments with versatility built in.

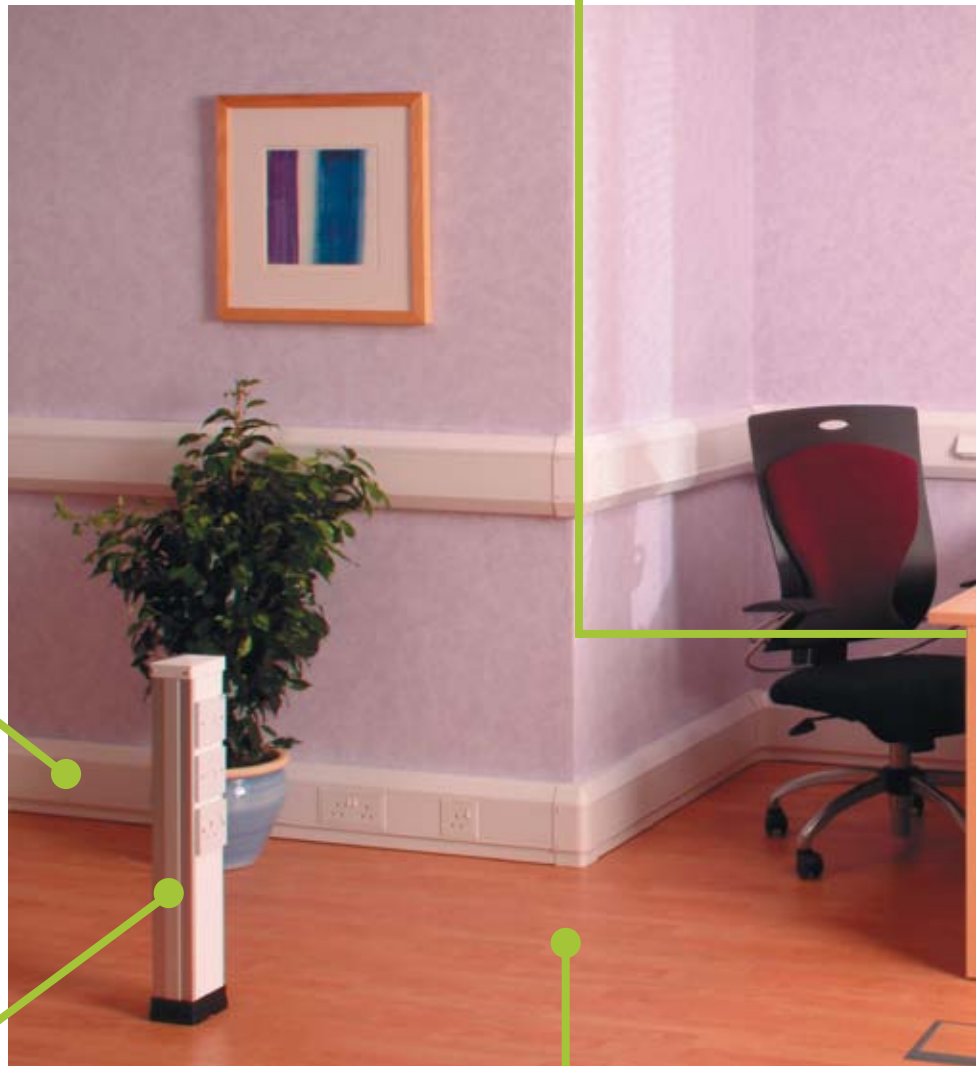
A wide range of multi-compartment trunking systems, and wiring accessories are now available from Schneider Electric, the leaders in cable management technology.



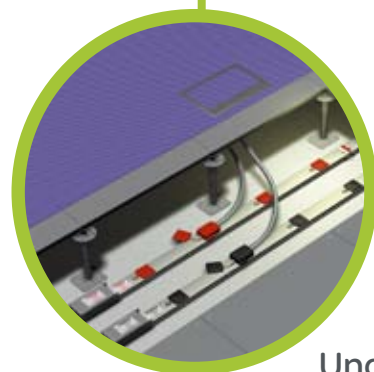
Under desk



Skirting trunking



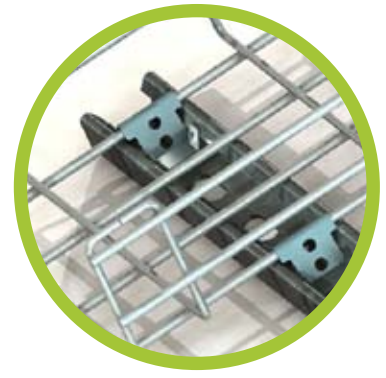
Posts



Underfloor



Dado trunking



Above ceiling



Poles



Floor boxes



Desktop

# Premium products

## Cableline Prima 60 and Consort Delta 105

### Cableline Prima 60

Cableline Prima 60, with dimensions of 150 x 60mm, is a 3 compartment uPVC trunking system with a stylish profile. Prima 60 has been specially designed for use in power and high density CAT5e, CAT6, shielded and the new 10gig structured cabling solutions.

Despite its high capacity, Prima 60 has a sleek and contemporary style. The trunking benefits from adjustable bends and a multi-configurable tee. A screened divider can be fitted allowing compliance to BS50174-2 whilst pre-punched fixing holes and compartment knockouts aid ease of installation.



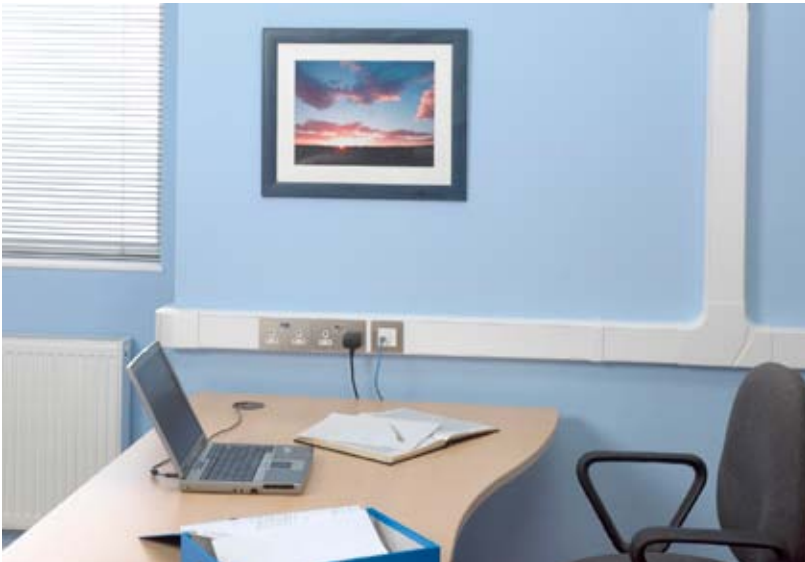
- > 150 x 60mm 3 compartment
- > Adjustable bends allowing movement of +/- 5°, whilst allowing for a 50mm bend radius to be maintained
- > Multi-configurable tee bridge inserts can be used in any combination making routing extremely flexible
- > Screw fit fittings
- > Meets and exceeds the requirements for:
  - ANSI/TIA/EIA568B, TIA569B,
  - ISO/IEC11801 and Cenelec
  - (EN50174-2 / EN50173) standards
- > Accepts socket mounting boxes up to 50mm deep
- > Pre-punched steel divider where screening is required
- > Ease of Installation
- > Available in antimicrobial

**\* See page 10 for full product details.**

## Consort Delta 105

Consort Delta 105, with dimensions of 100 x 50mm, is a single compartment uPVC trunking system with a stylish profile which has been designed for use in power and high density CAT5e and CAT6 structured cabling solutions.

Delta 105 has a contemporary look, is easily dividable and features adjustable bends and a multi-configurable tee.



**Cableline Prima 60** and **Consort Delta 105** are the latest developments from a family of cable management solutions.

- > 100 x 50mm single compartment
- > Adjustable bends allowing movement of  $\pm 5^\circ$ , whilst allowing for a 50mm bend radius to be maintained
- > Multi-configurable tee bridge inserts can be used in any combination making routing extremely flexible
- > Meets and exceeds the requirements for
  - ANSI/TIA/EIA568B, TIA569B,
  - ISO/IEC11801 and Cenelec
  - (EN50174-2 / EN50173) standards
- > Clip fit fittings
- > Accepts socket mounting boxes up to 35mm deep
- > Pre-punched steel divider where screening is required
- > Ease of Installation
- > Available in antimicrobial

**\* See page 23 for full product details.**



## Cableline range - **versatile and adaptable**

Cableline is a versatile and stylish 3 compartment perimeter trunking system with profiles which are wider and deeper for extra cabling capacity. The greater depth also allows for the mounting of 35mm deep accessory boxes in addition to the standard 25mm size. All Cableline trunking is available to special order in antimicrobial - please call for more details

---

<b>Prima 60</b>	10-13
<b>Ambassador</b>	14-18
<b>Envoy</b>	19-22

---

### **Features**

- > Multi compartment insulated trunking systems
- > Designed for fast, accurate fixing
- > Secure screw fixing
- > Pre-drilled base for ease of installation
- > Concise range of ready to use components
- > Versatile systems readily adapted
- > Supplied as complete unit
- > Colour and finish matching available



Prima 60



CA3W

Antimicrobial and Part M DDA compliancy available.

Prima 60	
Part number	Description
CA3W	150 x 60mm

Ambassador



DP3W



DS3W



DC3W

Ambassador	
Part number	Description
DP3W	180 x 52mm
DS3W	180 x 52mm
DC3W	180 x 52mm

Envoy



EL3W



ES3W



ER3W

Envoy	
Part number	Description
EL3W	180 x 52mm
ES3W	180 x 52mm
ER3W	180 x 52mm

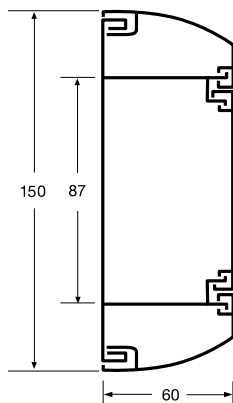


Mita Cableline Prima 60 is a 3 compartment trunking system with a stylish profile. Prima 60 has been designed for use in power and high density CAT5e, CAT6, shielded and 10Gig structured cabling solutions.

With adjustable bends and a multi-configurable tee, Prima 60 has a sleek and contemporary style.

### Technical data

- Colour: white. RAL colour options available
- 3m lengths
- 3 compartments
- 150 x 60mm
- Adjustable bends allow movement of +/- 5°
- Multi-configurable tee allow for 50mm bend radius to be maintained
- Screw fit fittings
- Accommodates socket mounting boxes up to 50mm deep
- Pre-punched steel divider where screening is required
- Meets and exceeds requirements of European and International Data Standards
- Accepts all leading wiring accessories
- Lower lid acts as cable shelf during installation
- BS4678 Pt.4, BS7671 (IEE regs), BS6701 (2004) and Cenelec (BSEN50173/EN50173), ANSI/TIA/EIA568B, TIA569B and ISO/IEC11801
- Part M DDA compliancy available
- Antimicrobial available



### Trunking assembly

Ref	Packed
CA3W	2 x 3m

### Spacing lid cover

Ref	Packed
CCS3W	10

### Spare lid

Ref		Packed
CLL3W	Centre lid	2 x 3m
CAN3W	Outer lid	2 x 3m



External angle		
Ref		Packed
CAX3W		1



Internal angle		
Ref		Packed
CAI3W		1



Joint cover		
Ref		Packed
CAJ3W		2



End caps		
Ref		Packed
CAS3W		2



Flat angle		
Ref		Packed
CAF3W		1



Flat tee		
Ref		Packed
CAT3W		1
<small>Note: Flat tee is supplied with 1xCATB1W and 1xCATB2W Spares: tee bridges (CATB1W and CATB2W) along with screw caps (CASC) are also available.</small>		



Prima to Delta converter		
Ref		Packed
CAC3W		1



Screening divider		
Ref	Type	Packed
SS60	43mm x 1mm	4 x 1.5 m



For continued screening divider around external/internal angles.		
Ref		Packed
SSX60	Ext	1
SSI60	Int	1



Earth tags		
Ref		Packed
SET1		10



### Oval bell mouth bush

Ref	Packed
BMB	10

Note: Where cabling passes through knockouts a bell mouth bush can be supplied which fits into the knockouts preventing any potential snagging of sensitive cabling.

### DDA plate

Ref	Description	Colour	Colour Ref	Packed
DDA1BL	1 gang	Traffic Blue	RAL5017	10
DDA2BL	2 gang	Traffic Blue	RAL5017	10
DDA1CH	1 gang	Charcoal Grey	BS10A11	10
DDA2CH	2 gang	Charcoal Grey	BS10A11	10

### DDA compliant lid

Ref	Colour	Packed
CLL3G	Grey	2x3m

### Rear cable entry box

Ref	Packed
CBB3	1

### Socket mounting boxes - white

Ref	Size	Packed
CLB31W	1 gang 25mm deep	10
CLB314W	1 gang vertical mounting box 25mm deep	10
CLB41W	1 gang 35mm deep	10
CLB51W	1 gang 50mm deep	10
CLB32W	2 gang 25mm deep	10
CLB42W	2 gang 35mm deep	10
CLB52W	2 gang 50mm deep	10

### Screened socket mounting boxes

Ref	Size	Packed
CLB51W	1 gang 25mm deep	10
CLB514W	1 gang vertical mounting box 25mm deep	10
CLB53W	1 gang 35mm deep	10
CLB55W	1 gang 50mm deep	10
CLB52W	2 gang 25mm deep	10
CLB54W	2 gang 35mm deep	10
CLB56W	2 gang 50mm deep	10

### MCB/RCD housing

Ref	Profile	Packed
DCH3W	Ultra 60 housing unit only	1
DCHC3W	Ultra 60 housing unit only with cover	1

Complete with DIN mounting rail.  
(See technical section for MCB/RCD suitability).



### Extension collars

Ref	Size	Packed
CEC110W	1 gang 10mm deep	10
CEC119W	1 gang 19mm deep	10
CEC210W	2 gang 10mm deep	10
CEC219W	2 gang 19mm deep	10

### Socket mounting plate

Ref	Size	Packed
CTMP1W	1 gang	15
CTMP2W	2 gang	10

### Mounting frames

Ref	Size	Packed
ATMF451W	1 gang	15
ATMF452W	2 gang	10

### Mini trunking adaptors - self adhesive

Ref	Size	Packed
CLA31W	16 x 16mm	5
CLA32W	25 x 16mm	5

Note: Images for illustration purposes only.

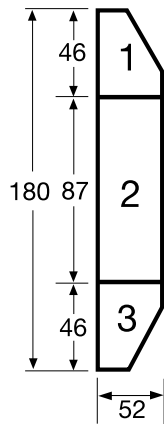


### Technical data

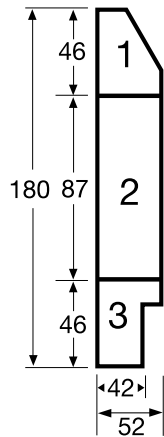
- Colour: white RAL colour options available
- Fittings: DP3, DS3 and DC3 available in white
- 180 x 52mm profiles
- 3 compartments
- 3 lids
- Screw on corner fittings for added security
- DC3 curved profile for larger cabling capacity
- Accommodates 25mm and 35mm deep boxes for a wide range of accessories
- Accepts all leading wiring accessories
- Carpet inlay allows for less intrusive installation
- Optional data cable guide enables cable to maintain a minimum bend radii
- BS4678 Pt.4, BS7671 (IEE regs), BS6701 (2004), EN50173 Cenelec (BSEN50174-2, ANSI/TIA/EIA568B and ISO/IEC11801
- This unit is available Pre-wired, contact us for further details
- Part M DDA compliancy available
- Antimicrobial available



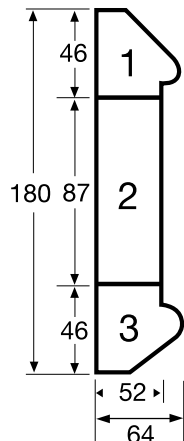
DP3W



DS3W



DC3W



### Trunking assemblies

Ref	Packed
DP3W	2 x 3m
DS3W	2 x 3m
DC3W	2 x 3m

### Spare lid pack

Ref		Packed
CLL3W	Centre	2 x 3m
DPN3W	Chamfered Outer	2 x 3m
DSN3W	Skirting base	2 x 3m
DCN3W	Contoured outer	2 x 3m

### Spacing cover lid

Ref	Packed
CCS3W	10



### External angle

Ref	To Suit Ambassador profile	Packed
DPX3W	DP3W	1
DSX3W	DS3W	1
DCX3W	DC3W	1

Inc. continuity piece



### Data cable guide

Ref	To Suit Ambassador profile	Packed
DCGA	Top/Bottom	2



### Internal angle

Ref	To Suit Ambassador profile	Packed
DPI3W	DP3W	1
DSI3W	DS3W	1
DCI3W	DC3W	1



### Joint cover

Ref	To Suit Ambassador profile	Packed
DPJ3W	DP3W	2
DSJ3W	DS3W	2
DCJ3W	DC3W	2



### End caps

Ref	To Suit Ambassador profile	Packed	
DPE3W	DP3W	2	
DSE3LW	DS3W	Left	2
DSE3RW	DS3W	Right	2
DCE3W	DC3W	2	



### Flat angle unit

Ref	To Suit Ambassador profile	Packed	
DPF3W	DP3W	1	
DSF3CW	DS3W	Riser	1
DSF3RW	DS3W	Dropper	1
DCF3W	DC3W	1	

DSF3C has a chamfered inner lid and a skirting base outer lid.  
DCF3R has a skirting base inner lid and a chamfered outer lid.



Flat tee unit		
Ref	To Suit Ambassador profile	Packed
DPT3W	DP3W	1
DST3CW	DS3W	1
DCT3W	DC3W	1

Includes one crossover unit Ref. DL03



MCB/RCD housing complete with DIN mounting rail. No cover		
Ref	Profile	Packed
DCH3W	DP3, DS3, DC3 housing unit only	1
DCHC3W	Housing unit with cover	1



Screening divider		
Ref	Type	Packed
SS34	34mm x 1mm	4 x 1.5m



Earth tags	
Ref	Packed
SET1	10



Cable retainers		
Ref		Packed
DPC3T	Chamfered outer	20
DLC3M	Centre	10
DSC3T	Skirting base	20



DDA plate				
Ref	Description	Colour	Colour Ref	Packed
DDA1BL	1 gang	Traffic Blue	RAL5017	10
DDA2BL	2 gang	Traffic Blue	RAL5017	10
DDA1CH	1 gang	Charcoal Grey	BS10A11	10
DDA2CH	2 gang	Charcoal Grey	BS10A11	10

DDA compliant lid			
Ref		Colour	Packed
CLL3G		Grey	2 x 3m



Rear cable entry box	
Ref	Packed
CBB3	1





Socket mounting boxes - white		
Ref	Size	Packed
CLB31W	1 gang 25mm deep	10
CLB314W	1 gang 25mm deep vertical mounting box	10
CLB41W	1 gang 35mm deep	10
CLB32W	2 gang 25mm deep	10
CLB42W	2 gang 35mm deep	10



Screened socket mounting boxes		
Ref	Size	Packed
CLBS1W	1 gang 25mm deep	10
CLBS14W	1 gang vertical mounting box 25mm deep	10
CLBS3W	1 gang 35mm deep	10
CLBS2W	2 gang 25mm deep	10
CLBS4W	2 gang 35mm deep	10



Extension collars		
Ref	Size	Packed
CEC110W	1 gang 10mm deep	10
CEC119W	1 gang 19mm deep	10
CEC210W	2 gang 10mm deep	10
CEC219W	2 gang 19mm deep	10



Mounting frames		
Ref	Size	Packed
ATMF451W	1 gang	15
ATMF452W	2 gang	10



Socket mounting plate		
Ref	Size	Packed
CTMP1W	1 gang	15
CTMP2W	2 gang	10



Crossover unit - white		
Ref		Packed
DL03	For Ambassador	5



Mini trunking adaptors - white self adhesive		
Ref	Size	Packed
CLA31W	16 x 16mm	5
CLA32W	25 x 16mm	5



Cable hanger - white	
Ref	Packed
CLH3	10

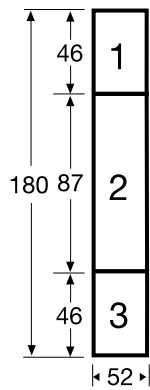


### Technical data

- Material: uPVC
- Colour: white. RAL colour options available
- 3m lengths
- 180 x 52mm profiles
- 3 compartments
- 3 lids
- Screw on corner fittings for added security
- Suitable for SO HO environments
- Accommodates 25mm and 35mm deep boxes for a wide range of accessories
  - BS4678 Pt.4, BS7671 (IEE regs), BS6701 (2004), BSEN50173, (Cenelec)
  - BSEN50174-2, ANSI/TIA/EIA 568B and ISO/IEC11801.
- This unit is available Pre-wired, contact Sales Office for further details
- Part M DDA compliancy available
- Antimicrobial available



EL3W



### Trunking assemblies

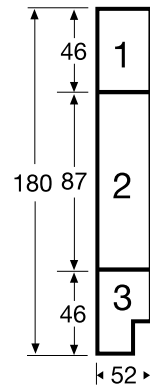
Ref	Packed
EL3W	2 x 3m
ES3W	2 x 3m
ER3W	2 x 3m

### Spare lid pack

Ref		Packed
CLL3W	Centre	2 x 3m
ELN3W	Radius outer	2 x 3m
DSN3W	Skirting Base	2 x 3m
DPN3W	Chamfered outer	2 x 3m



ES3W

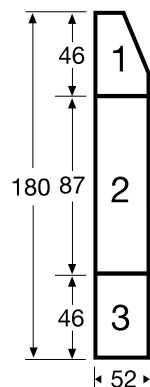


### Spacing cover lid

Ref	Packed
CCS3W	10



ER3W





External angle		
Ref	To Suit Envoy profile	Packed
ELX3W	EL3W	1
ESX3W	ES3W	1
ERX3W	ER3W	1



Internal angle		
Ref	To Suit Envoy profile	Packed
ELI3W	EL3W	1
ESI3W	ES3W	1
ERI3W	ER3W	1



Joint cover		
Ref	To Suit Envoy profile	Packed
ELJ3W	EL3W	2
ESJ3W	ES3W	2
ERJ3W	ER3W	2



End caps			
Ref	To Suit Envoy profile	Packed	
ELS3W	EL3W	2	
ESS3LW	ES3W	Left	2
ESS3RW	ES3W	Right	2
ERS3LW	ER3W	Left	2
ERS3RW	ER3W	Right	2



Flat angle unit			
Ref	To Suit Envoy profile	Packed	
ELF3W	EL3W	1	
ESF3SW	ES3	Dropper	1
ESF3RW	ES3	Riser	1
<small>ESF 3SW has a skirting inner lid and a radius outer lid. ESF 3RW has a radius inner lid and a skirting outer lid.</small>			
ERF3CW	ER3W	Riser	1
ERF3RW	ER3W	Dropper	1
<small>ERF 3CW has a chamfered inner lid and a radius outer lid. ERF 3RW has a radius inner lid and a chamfered outer lid.</small>			



Flat tee unit		
Ref	To Suit Envoy profile	Packed
ELT3W	EL3W	1
EST3W	ES3W	1
ERT3W	ER3W	1

Includes one crossover unit Ref. CL03R.



Data cable guide	
Ref	Packed
DCGA	2



## DDA plate

Ref	Description	Colour	Colour Ref	Packed
DDA1BL	1 gang	Traffic Blue	RAL5017	10
DDA2BL	2 gang	Traffic Blue	RAL5017	10
DDA1CH	1 gang	Charcoal Grey	BS10A11	10
DDA2CH	2 gang	Charcoal Grey	BS10A11	10

## DDA compliant lid

Ref	Colour	Packed
CLL3G	Grey	2x3m

## MCB/RCD housing complete with DIN mounting rail.

Ref	Profile	Packed
DCH3W	EL3W, ER3W, ES3W Housing Unit only	1
DCHC3W	Housing Unit with cover	1

See Technical Specification Section for MCB/RCD suitability. For further details, please refer to the Technical Section. Other options are available, contact us for further information.

## Screening divider

Ref	Type	Packed
SS34	34mm x 1mm	4 x 1.5m

## Earth tags

Ref	Packed
SET1	10

## Cable retainers

Ref		Packed
DPC3T	Chamfered outer	20
DLC3M	Centre	10
DSC3T	Radius	20

## Rear cable entry box

Ref	Packed
CBB3	1

## Socket mounting boxes - white

Ref	Size	Packed
CLB31W	1 gang 25mm deep	10
CLB314W	1 gang 25mm deep vertical mounting box	10
CLB41W	1 gang 35mm deep	10
CLB32W	2 gang 25mm deep	10
CLB42W	2 gang 35mm deep	10

## Screened socket mounting boxes

Ref	Size	Packed
CLBS1W	1 gang 25mm deep	10
CLBS14W	1 gang vertical mounting box 25mm deep	10
CLBS3W	1 gang 35mm deep	10
CLBS2W	2 gang 25mm deep	10
CLBS4W	2 gang 35mm deep	10

## Extension collars

Ref	Size	Packed
CEC110W	1 gang 10mm deep	10
CEC119W	1 gang 19mm deep	10
CEC210W	2 gang 10mm deep	10
CEC219W	2 gang 19mm deep	10



### Mounting frames

Ref	Size	Packed
ATMF451W	1 gang	15
ATMF452W	2 gang	10

For 45 x 45mm accessories.



### Socket mounting plate

Ref	Size	Packed
CTMP1W	1 gang	15
CTMP2W	2 gang	10



### Crossover unit - white

Ref	Packed
DL03	5



### Mini trunking adaptors white self adhesive

Ref	Size	Packed
CLA31W	16 x 16mm	5
CLA32W	25 x 16mm	5



### Cable hanger - white

Ref	Packed
CLH3	10

Please Note Images are for illustration purposes only. Fittings will vary according to profile selected.



## Consort - elegant, economical & adaptable

Consort is a range of single compartment uPVC trunkings which can be readily segregated with dividers. Designed for fast accurate fixing, Consort is complemented by a concise range of ready to use components and will accept all leading wiring accessories. The range also includes large radius bends for structured cabling installations, allowing compliance with minimum bend radii recommendations. All Consort trunking is available to special order in antimicrobial - please call for more details

---

### Delta 105

---

24-26

#### Features

- > Four profiles
- > Single compartment
- > Single lid
- > Compact attractive design
- > Front fitting lid for aesthetically pleasing finish
- > Designed for fast accurate fixings
- > Economical and adaptable



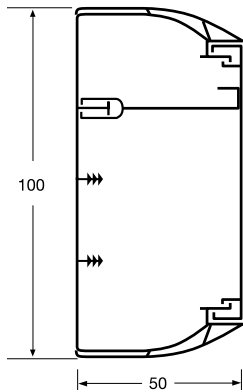
Consort Delta 105, with dimensions of 100 x 50mm is a single compartment uPVC trunking with a stylish profile. Delta 105 has been designed for use in power and high density CAT5e and CAT6 structure cabling solutions. Delta 105 has a contemporary look and the trunking features adjustable bends and a multi-configurable tee.

### Technical data

- Material: uPVC
- Colour: white
- 3m lengths
- 100 x 50mm trunking with a contemporary look
- Adjustable bends allow movement +/- 5 degrees
- Multi-configurable tee allowing for 50mm bend radius to be maintained
- Clip on fittings
- Accommodates socket mounting boxes up to 35mm deep
- Steel screening divider where required
- Meets and exceeds requirements of European and International Data Standards
- BS4678 Pt.4, BS7671 (IEE regs), BS6701 (2004), BSEN50173, (Cenelec) BSEN50174-2, ANSI/TIA/EIA 568B and ISO/IEC11801
- Antimicrobial available



DA105W



### Trunking assemblies

Ref	Packed
DA105W	2 x 3m

### Divider

Ref	Packed
DAHD105W	24m

### External angle

Ref	Packed
DAX105W	1

### Internal angle

Ref	Packed
DAI105W	1







Joint cover	
Ref	Packed
DAJ105W	2



Ed caps	
Ref	Packed
DAS105W	2



Flat angle	
Ref	Packed
DAF105W	1



Flat tee	
Ref	Packed
DAT105W	1

Note: Flat tee is supplied with 1 x DATB1 tee bridge) and 1 x DATBC (tee clip).



Screening Divider		
Ref	Type	Packed
SS105	47.5mm x 1mm	4 x 1.5m

For continued screening divider around external/internal angles.

Ref		Packed
SSX105	External	1
SSI105	Internal	1

Spares: Tee bridge/clip (DATB1 and DATBC) are also available.



Earth tags	
Ref	Packed
SET1	10



DDA plate				
Ref	Description	Colour	Colour Ref	Packed
DDA1BL	1 gang	Traffic Blue	RAL5017	10
DDA2BL	2 gang	Traffic Blue	RAL5017	10
DDA1CH	1 gang	Charcoal Grey	BS10A11	10
DDA2CH	2 gang	Charcoal Grey	BS10A11	10

DDA compliant lid			
Ref	Quantity	Colour	Packed
CLL3G	2x3m	Grey	2x3m



Socket mounting boxes - white

Ref	Size	Packed
CTB11W	1 gang 25mm deep	10
CTB21W	1 gang 35mm deep	10



Socket mounting boxes - white

Ref	Size	Packed
CTB12W	2 gang 25mm deep	10
CTB22W	2 gang 35mm deep	10



Socket mounting boxes - white

Ref	Size	Packed
CTB114W	1 gang vertical 25mm	10



Socket mounting plate - white

Ref	Size	Packed
CTMP1W	1 gang 25mm deep	15
CTMP2W	2 gang 35mm deep	10



Mounting frames

Ref	Size	Packed
ATMF451W	1 gang	15
ATMF452W	2 gang	10

For 45 x 45mm accessories.



Mini Trunking adaptors - white Self adhesive

Ref	Size	Packed
MFC1W	16 x 16mm	10
MFC2W	25 x 16mm	10



## Flooring systems

Schneider Electric's range of cable management flooring systems consists of floor outlet boxes, slab boxes, floor grommets, power track, underscreed trunking and flushscreed trunking.

<b>Floor boxes</b>	28-33
<b>Underfloor power track</b>	34-35
<b>Flush screed trunking</b>	36
<b>Underscreed trunking</b>	37-39

# Cable management flooring systems

## 3 and 4 compartment floor boxes



Supplying power and data via raised floor solution offers many advantages for the modern office. Mita floor boxes give you access to power and data wherever it is required. Both the end-user and the installer can benefit from the accessibility.

### Pre-wired boxes available

Reduce on-site installation time and avoid wiring errors. Fully assembled and factory tested.

**Lockable lid**  
On request.

### Flush lid infill

Flush lid infills of linoleum or brushed stainless steel are available as optional accessories.

### Snap locks

Snap-locks (plastic lid only) reduce the risk of cables pushing the lid open.

### Hinge

Lid will release when opened in excess of 90 degree angle to prevent damage to box.

### Cable outlets and lid

The cable outlets are lined with foamed plastic, preventing dirt from penetrating into the box. The lid can be rotated through 180 degrees to re-position the cable outlet in the opposite direction and can be removed in one simple operation.

### Strong cover

Lid reinforced with 3 mm steel insert plate

### Cable retainers (optional)

To hold cables in place and prevent them being pulled out or damaged between the lid and trim

**Swivel fixing**  
optional - black

### Various knockouts

Various knockouts per compartment for flexible conduits.  
70 mm box - Ø 20 mm  
100 mm box - Ø 20/25 mm  
130 mm box - Ø 20/25 mm  
incl. one Ø 32 mm

### RCD/MCB/RCBO Protection

The 3-compartment 100 and 130 mm box comes complete with a plastic cover to house a RCD/MCB/ RCBO unit, if required.

DIN rail kit and RCD/MCB/RCBOs may be purchased separately. (3 compartment 70 mm box comes complete with a metal blanking plate).

### Quick fix function

For quick and easy installation, self locking tabs push fit into place to secure the box.

### Flexible solution

Use underfloor power track and tap-off units from Schneider Electric.



### Installations of raised access floor box with underfloor power track and tap-off units

A convenient and flexible solution for power distribution in premises where raised access floors have been installed.



#### Quick-fix function

For quick and easy installation, self-locking tabs push-fit into place to secure the box, effective in all floor types. No tools are required.



#### High capacity

Three or four plates, with metal compartment dividers for good separation of power and data.



#### RCD/MCB/RCBO

3-compartment 100 and 130 mm box comes complete with cover to house a RCD/MCB/RCBO unit, if required. DIN rail kit and RCD/MCB/RCBOs may be purchased separately.



#### Cable retainers (optional)

To hold cables in place and prevent them being pulled out or damaged between the lid and trim.



#### Self-closing

The lid is self-closing to minimize the risk of accidents. When opened in excess of 90 degrees, the lid will release.



#### Cable outlets

The lid has double cable outlets and can be turned through 180 degrees.



#### Carpet/infill recess

In the plastic trim box the maximum thickness of the insert material is 6 mm and in the stainless steel trim box it is 15mm.



#### Lockable lid (optional)

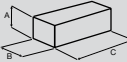
Available pre-fit, on request.

## Empty floor outlet boxes

Complete, rectangular, three or four compartment floor outlet box for use with British Standard outlets. A wide range of mounting plates in both 75 and 87mm width are available. The floor box is provided with a quick-fix, metal base box. The lid, with integrated cable outlets, can be installed in two positions and can easily be removed during installation and use. The lid can be fitted with a floor material insert; the plastic floor box has a ready-to-use infill available as an accessory.

### Three-compartment floor outlet boxes for 87 mm mounting plates

The three-compartment plastic trimmed floor box has a maximum outlet capacity of 3x2 gang accessories. The 70 mm deep box comes with a steel cover over the empty space next to the 3rd compartment, whereas the 100 and 130mm deep versions have a plastic cover. The space underneath the cover gives extra cable space/enhanced bending radius, to the 3rd compartment. Alternatively, for 100 and 130mm deep versions, modular DIN-rail equipment, such as an RCD earth leakage breaker, can be used by fixing the optional DIN-rail kit in the bottom of the base box and removing the knock-outs in the plastic cover. Material: PA/ABS, sheet steel.

Ref	Type	Colour		Dimensions ABC (mm)	Packed
INS53070	70mm deep	Grey		70/222/348	1
INS53100	100mm deep	Grey		100/222/348	1
INS53130	130mm deep	Grey		130/222/348	1

As the above but in brushed stainless steel.

Material: Stainless steel, sheet steel.

INS53170	70mm deep	-		84/222/348	1
INS53200	100mm deep	-		114/222/348	1
INS53230	130mm deep	-		144/222/348	1

### Four-compartment floor outlet boxes for 75 mm mounting plates

The four-compartment plastic trimmed floor box has a maximum outlet capacity of 4x75mm wide plates (maximum of 3 twin switch sockets + 1 data plate). DIN-rail not compatible with four-compartment box.

Material: PA/ABS, sheet steel.

INS54070	70mm deep	Grey		70/222/348	1
INS54100	100mm deep	Grey		100/222/348	1
INS54130	130mm deep	Grey		130/222/348	1

As the above but in brushed stainless steel.

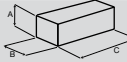
Material: Stainless steel, sheet steel.

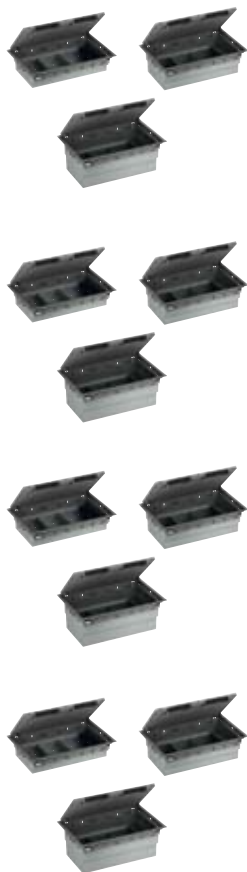
INS54170	70mm deep	-		84/222/348	1
INS54200	100mm deep	-		114/222/348	1
INS54230	130mm deep	-		144/222/348	1

## Pre-wired floor boxes

### Three-compartment floor outlet boxes

Ready-to-use, pre-wired plastic trimmed floor boxes, 100mm deep. Configuration options include one/two twin switched sockets, standard earth (SE) or clean earth (CE) and connection to a 3m 32A unfused or a 5m 13A fused tap-off for busbar connection (other variations available on request). RCD can be fitted as an option. Material: PA/ABS, sheet steel.

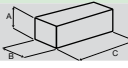
Ref	Type	Colour		Dimensions ABC (mm)	Packed
INS53101	Type A One twin BS 13A SSO (SE), 3m/32A unfused tap-off with 30mA RCD fitted	Grey		100/222/348	1
INS53102	Type B Two twin BS 13A SSO (SE), 3m/32A unfused tap-off with 30mA RCD fitted	Grey		100/222/348	1
INS53103	Type C One twin BS 13A SSO (SE), 5m/32A fused tap-off with 30mA RCD fitted	Grey		100/222/348	1
INS53104	Type D Two twin BS 13A SSO (SE), 5m/32A fused tap-off with 30mA RCD fitted	Grey		100/222/348	1
INS53105	Type E One twin BS 13A SSO (CE), 3m/32A unfused (CE) tap-off with 30mA RCD fitted	Grey		100/222/348	1
INS53106	Type F Two twin BS 13A SSO (CE), 3m/32A unfused (CE) tap-off with 30mA RCD fitted	Grey		100/222/348	1



## Pre-wired floor boxes

Three-compartment floor outlet boxes cont...



Ref	Type	Colour		Dimensions ABC (mm)	Packed
INS53107	Type G One twin BS 13A SSO (CE), 5m/13A fused (CE) tap-off	Grey		100/222/348	1
INS53107RCD	with 30mA RCD fitted				
INS53108	Type H Two twin BS 13A SSO (CE), 5m/13A fused (CE) tap-off	Grey		100/222/348	1
INS53108RCD	with 30mA RCD fitted				

## Four-compartment floor outlet boxes

Ready-to-use, pre-wired floor boxes, 100 mm deep. Configuration options include two/three twin switched sockets, standard earth (SE) or clean earth (CE), and connection to a 3m 32A unfused or a 5 m 13A fused tap-off for powertrack connection (other variations available on request). Material: PA/ABS, sheet steel.

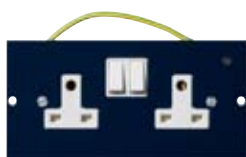


INS54101	Type I Two twin BS 13A SSO (SE), 3m/32A unfused tap-off	Grey		100/222/348	1
INS54102	Type J Three twin BS 13A SSO (SE), 3m/32A unfused tap-off	Grey		100/222/348	1
INS54103	Type K Two twin BS 13A SSO (SE), 5m/13A fused tap-off	Grey		100/222/348	1
INS54104	Type L Three twin BS 13A SSO (SE), 5m/13A fused tap-off	Grey		100/222/348	1
INS54105	Type M Two twin BS 13A SSO (CE), 3m/32A unfused (CE) tap-off	Grey		100/222/348	1
INS54106	Type N Three twin BS 13A SSO (CE), 3m/32A unfused (CE) tap-off	Grey		100/222/348	1
INS54107	Type O Two twin BS 13A SSO (CE), 5m/13A fused (CE) tap-off	Grey		100/222/348	1
INS54108	Type P Three twin BS 13A SSO (CE), 5m/13A fused (CE) tap-off for powertrack	Grey		100/222/348	1

## Mounting plates for 3-compartment floor boxes

87 mm wide plates with outlets

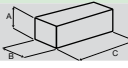
173 x 87mm plates with British Standard power sockets for use with a 3-compartment floor box.  
Material: Sheet steel.



INS55300	Q301CE With twin BS1363 13A switched socket (dual earth and clean earth)	Blue		32/87/173	1
INS55301	Q301 With twin BS1363 13A switched socket (dual earth)	Blue		32/87/173	1
INS55313	Q313 With twin BS5733 13A (non-standard and clean earth) socket	Blue		32/87/173	1
INS55312	Q312 With three single BS1363 13A sockets	Blue		32/87/173	1

Mounting plates for 3-compartment floor boxes

87 mm wide mounting plates

Ref	Type	Colour		Dimensions BCA (mm)	Packed
INS55314	Q314 Plate to accept moulded twin gang accessory	Blue		87/173/7	1
INS55321	Q321 Plate to accept two moulded single gang accessories, 86x86mm	Blue		87/173/2	1
INS55322	Q322 Plate to accept up to six LJ6C/RJ45 data/comm accessories, 37x22mm knock outs	Blue		87/173/2	1
INS55325	Q325 Plate to accept up to eight LJ6C/RJ45 data/comm accessories, 37x22mm knock outs	Blue		87/173/1	1
INS55328	Q328 Plate (angled down) to accept four LJ6C/RJ45 data/comm accessories	Blue		87/173/23	1
INS55323	Q323 Plate with two Euro 50x50 mm frames to accept data/comm accessories	Blue		87/173/19	1
INS55326	Q326 Blank plate	Blue		87/173/1	1

Mounting plates for 4-compartment floor boxes

75 mm wide plates with outlets

173x75 mm plates with British Standard power sockets, for use with a 4-compartment floor box.  
Plate material: sheet steel.

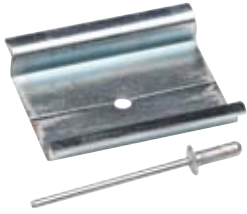
INS55470	Q471CE With twin BS1363 13A switched socket (dual earth and clean earth)	Blue		75/173/32	1
INS55471	Q471 With twin BS1363 13A switched socket (dual earth)	Blue		75/173/32	1
INS55473	Q473 With twin BS5733 13A (non-standard and clean earth) socket	Blue		75/173/28	1
INS55475	Q475 With three single BS1363 13A sockets	Blue		75/173/28	1

75 mm wide mounting plates

Modular 173x75 mm mounting plates for British Standard power and data outlets, intended to be used for 4-module floor boxes. Plate material: sheet steel.

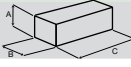
INS55472	Q472 Plate to accept up to six LJ6C/RJ45 data/comm accessories, 37x22mm knock outs	Blue		32/87/173	1
INS55478	Q478 Plate (angled down) to accept four LJ6C/RJ45 data/comm accessories	Blue		32/87/173	1
INS55474	Q474 Plate with two Euro 50x50 mm frames to accept data/comm accessories	Blue		32/87/173	1
INS55476	Q476 Blank plate	Blue		32/87/173	1





## Accessories

### DIN rail RCD/MCB/RCBO kit

Ref	Type	Colour	Dimensions ABC (mm)	Packed
 <p>DIN rail kit including rail and pop rivet for the mounting of RCBs and other DIN devices. The rail is to be fixed on a dedicated location in the base box of 100 mm and 130 mm 3-compartment floor boxes. Material: sheet steel.</p>				

INS55100	DIN rail	-	39/8/35	1
----------	----------	---	---------	---

### Lid infill, linoleum

Linoleum lid infill to be used in the lid of Mita plastic floor outlet boxes. Provided with self-adhesive tape underneath. Material: linoleum.

ISM50819	Lid infill, linoleum	Grey	6/317/163	1
----------	----------------------	------	-----------	---



### Lid infill, stainless steel

Stainless steel lid infill to be used in the lid of Mita plastic floor outlet boxes. Provided with self-adhesive tape layer underneath and with protective film on the surface. Material: Stainless steel, rubber.

ISM50820	Lid infill, stainless steel	-	6/317/163	1
----------	-----------------------------	---	-----------	---



### Swivel fixings

Swivel fixings to be mounted on each side of the floor boxes. Intended for use as additional fixing method in raised floors with a panel thickness between 23 mm and 53 mm. Material: PA6, steel.

ISM50823	Swivel fixing	Blue	58/12/25	2
----------	---------------	------	----------	---

### Cable retainers

Plastic cable retainers to safely route cables through outlets to avoid damage between lid and trim. Material: PA6.

INS55010	Cable retainer	Red	28/30/68	2
----------	----------------	-----	----------	---



### Circuit breakers

Square D and Schneider Electric circuit breakers are available

## Slab box

For 3 and 4 compartment slab box accessories, please use 87mm (3 comp) plates shown on pages 77 and 78

Ref	Description	Packed
FSBX3	3 compartment	1
FSBX4	4 compartment	1



### Underfloor Power track

Underfloor Power track provides a convenient and flexible solution for power distribution in premises where raised access floors have been installed. Based on a series of single phase 63 amp rated fully enclosed busbar units, the system incorporates many design features, making installation quick and easy. The system compliments the range of floor outlet grommets and boxes. Floor outlet boxes are available pre-wired and tested prior to delivery to site.

#### Features

- Simple and quick to install with colour coding and key systems for instant identification of polarity
- Flexibility, convenience and safety of shuttered outlets at 300mm intervals
- Retained dust covers provide protection for outlets when not in service
- Choice of 32 amp unfused and 13 amp fused tap off units incorporating LSF cables as standard. 16 amp fused tap offs also available
- Conforms to BS7671:2001 (section 607)
- Track interconnector complete with fixing bracket



### Power track

Ref	Description	Packed
PT12S	Standard 1200mm	1
PT18S	Standard 1800mm	1
PT24S	Standard 2400mm	1
PT36S	Standard 3600mm	1
PT12C	Clean earth 1200mm	1
PT18C	Clean earth 1800mm	1
PT24C	Clean earth 2400mm	1
PT36C	Clean earth 3600mm	1

### Feed unit with integral fixings

Ref	Description	Packed
PTF1S	Standard type 1	1
PTF2S	Standard type 2	1
PTF1C	Clean earth type 1	1
PTF2C	Clean earth type 2	1

Type 2 is opposite hand

### Track interconnector complete with fixing bracket

Ref	Description	Packed
PTIS	Standard	1
PTIC	Clean earth	1

### Tracking fixing bracket

Ref	Packed
PTFB	1

### Track end stop complete with fixing bracket

Ref	Packed
PTS3	1



### Track flexible corner unit 1 metre length

Ref	Description	Packed
PTFCS	Standard	1
PTFCC	Clean earth	1

Other lengths available on request

### Tap off units

Ref	Description	Packed
PTT32S	Standard 32A unfused 3 metre	1
PTT32S5M	Standard 32A unfused 5 metre	1
PTT13S	Standard 13A fused 5 metre	1
PTT16S	Standard 16A fused 5 metre	1
PTT32C	Clean earth 32A unfused 3 metre	1
PTT32C5M	Clean earth 32A unfused 5 metre	1
PTT13C	Clean earth 13A fused 5 metre	1
PTT16C	Clean earth 16A fused 5 metre	1

Other variations available on request

### Grommets

Ref	Description	Packed
Access		
FGSP100G	96mm dia, Grey	1
FGSP125G	127mm dia, Grey	1
FGSP169G	169mm dia, Grey	1
FGSP209G	209mm dia, Grey	1

Metal floor grommet including cam fixings, two part cover and sealing foam for protection from dust and wet floor cleaning. The cover has the function of a watertight blank plate when not in use.

INS40550	127mm dia, zinc, chromium plated	1
----------	----------------------------------	---

### Power/Cleaners' grommets (supplied with 13A single socket outlet)

Ref	Description	Packed
FGPP125G	127mm dia, Grey	1
FGPP12564G	64mm deep - 127mm dia, Grey (suitable for 60mm Intercell floors)	1
FGPP125GRCD	127mm dia, Grey c/w 30mA RCD	1
FGPD125G	127mm dia, Grey c/w 2 x RJ45/LJ6C cutouts	1

Other variations available on request

### Spiral cable spines

Ref	Description	Packed
SCS1300S	Silver RAL9006	1
SCS1300T	Translucent	1



### Flush screed trunking

Body: 1.6mm thick galvanised steel  
Lid: 3.0mm thick galvanised steel

#### Features

- Long lengths requiring fewer couplings
- Easier to install
- Fewer components required - universal junction boxes
- Flexibility of installation - floor boxes can be repositioned to suit changing requirements
- Lids alternate in 200mm and 400mm lengths

Ref	Size (lxwxh)	Depth each	Packed
FST2065	2000 x 325 x 65mm	65mm	2m
FST2060	2000 x 325 x 60mm	60mm	2m

### Universal connector

Trunking connector (1 pack required per length)

Ref	Packed
FSTCTT	1

Replacement fillets are available when an outlet unit is to be decommissioned.

### Universal junction units

Ref	Size (lxwxh)	Depth each	Packed
FSTJ65	475 x 475 x 65mm	65mm	1
FSTJ60	475 x 475 x 60mm	60mm	1

Note: Trunking connectors need to be purchased separately

### Rising bends

#### Gussetted

Ref	For depth	Packed
FSTRB65	65mm	1
FSTRB60	60mm	1

#### Un-gussetted

FSTRBU65	65mm	1
FSTRBU60	60mm	1

### Stop end

Ref	For depth	Packed
FSTSE65	65mm	1
FSTSE60	60mm	1

### Outlet boxes

#### Flush screed trunking

Please use 87mm (3-compartment) plates shown on page 86-87  
Outlet unit, hinged lid, grey carpet trim/grid, brackets

Ref	Size/description	Article No.	Packed
FTO65	To suit 65mm deep trunking	5150 857	1
FTO60	To suit 60mm deep trunking	5150 858	1



## Technical data

- Lengths 2m
- Depths 25 or 38mm
- Galvanised Steel
- Boxes feature in-built height adjustment and levelling facility
- Boxes available for conduit application
- Wide range of accessory plates

### 3 compartment underscreed trunking

Length: 2m  
Width: 225mm

Ref	Description	Packed
UT2225	Steel trunking, depth 25mm	1 x 2m
UT2238	Steel trunking, depth 38mm	1 x 2m

\*Connector needs to be purchased separately (1 connector required per length)

### 90° junction box

Ref	Description	Packed
For 25mm trunking		
UTJB2567	For depth adjustment 60-75mm	1
UTJB2579	For depth adjustment 75-90mm	1
For 38mm trunking		
UTJB3867	For depth adjustment 60-75mm	1
UTJB3879	For depth adjustment 75-90mm	1

### Through/end junction box

1 blank side adaptor included

Ref	Description	Packed
For 25mm trunking		
UTTE2567	For depth adjustment 60-75mm	1
UTTE2579	For depth adjustment 75-90mm	1
For 38mm trunking		
UTTE3867	For depth adjustment 60-75mm	1
UTTE3879	For depth adjustment 75-90mm	1

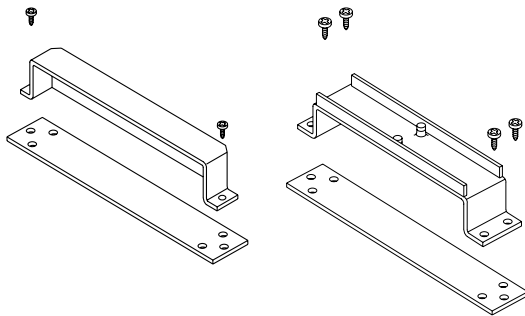
### Four way/tee junction box

1 blank side adaptor included

Ref	Description	Packed
For 25mm trunking		
UTJC2567	For depth adjustment 60-75mm	1
UTJC2579	For depth adjustment 75-90mm	1
For 38mm trunking		
UTJC3867	For depth adjustment 60-75mm	1
UTJC3879	For depth adjustment 75-90mm	1

### Standard rising bend

Ref	Description	Packed
UTRB25	For 25mm trunking	1
UTRB38	For 38mm trunking	1



### Stop end and connector

Ref	Description	Packed
<b>Stop end</b>		
UTS25	For 25mm trunking	1
UTS38	For 38mm trunking	1
<b>Connector</b>		
UTC25	For 25mm trunking	1
UTC38	For 38mm trunking	1



### UTO outlet boxes for trunking

Please use 87mm plates shown on page 87  
Comprising outlet box, through type, hinged lid, grey carpet trim and base

Ref	Description	Packed
<b>3-compartment box for 225 x 25mm trunking</b>		
UTO2560	For depth adjustment 60-75mm	1
UTO2575	For depth adjustment 75-90mm	1
<b>3-compartment box for 225 x 38mm trunking</b>		
UTO3860	For depth adjustment 60-75mm	1
UTO3875	For depth adjustment 75-90mm	1

### Blank adaptor

Ref	Description	Packed
UTOB25	For 25mm deep trunking	1
UTOB38	For 38mm deep trunking	1



### For screeded floors

Outlet unit, hinged lid, grey carpet trim and base

#### Conduit Fed Screeded Unit

Ref	Size/description	Packed
<b>3-compartment, use 87mm plates</b>		
UTB0360	(Conduit entry, screed depth 60-75mm)	1
UTB0375	(Conduit entry, screed depth 75-90mm)	1
<b>4-compartment, use 65mm plates</b>		
UTB0460	(Conduit entry, screed depth 60-75mm)	1
UTB0475	(Conduit entry, screed depth 75-90mm)	1

## Mounting plates for 3-compartment screed units

1.2mm plate - 173 x 87mm

For use with: FTO65, FTO60  
UTO2560, UTO2575, UTO3860, UTO3875  
UTB0360, UTB0375

New Ref	Old Ref	Type	Suitability	Packed
Q311	-	Twin 13A SSO BS1363 (complete) Dual earth as standard	✓	1
INS55312	Q312	3 x single 13A SO BS1363 (complete)	✓	1
INS55313	Q313	Twin 13A Non standard C/E SSO BS5733 (complete)	✓	1
INS55314	Q314	To accept moulded twin gang accessory*	Data only	1
INS55321	Q321	To accept two standard 86 x 86mm UK wall* plates (data only) (for CAT5e and CAT6)	Outer comp only	1
INS55322	Q322 Q205	To accept 6 x LJ6C/RJ45 (for CAT5e and CAT6)*	✓	1
INS55323	Q323	2 x Euro 50 x 50mm frames (complete)*	✓	1
INS55326	Q326	Blank plate	✓	1
INS55325	Q325	To accept 8 x LJ6C/RJ45 (for CAT5e and CAT6)	✓	1

\* Please note, in certain installations eg, shallow box systems, it may not be possible to install a CAT6 solution

■ Height restriction 65mm or greater



## Mounting plates for 4-compartment screed units

1.2mm plate - 173 x 65mm

For use ONLY with: UTB0460, UTB0475

Ref	Type	Suitability	Packed
Q411	Twin 13A SSO BS1363 (complete)	✓	1
Q413	Twin 13A N/S C/E SSO BS5733 (complete)	✓	1
Q422	To accept 4 x LJ6C/RJ45**	✓	1
Q426	Blank plate	✓	1

\*\* Due to space requirements for plug tops, it is not recommended that power plates are installed adjacent to each other in a four compartment box

■ Height restriction 65mm or greater





## PVC trunking

A range of PVC trunking for all applications

---

**TRK heavy duty trunking**

---

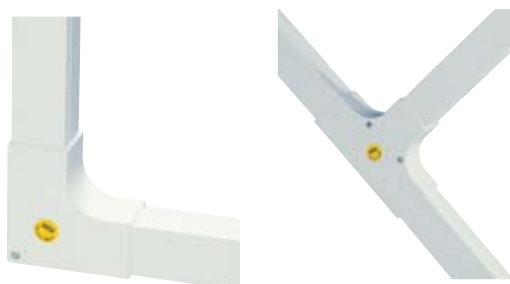
41-43





Technical data

- Material: uPVC
  - 3m lengths
  - Colour: white
  - BS 4678 Pt.4
  - Range of sizes from 50 x 50mm to 150 x 150mm
  - Designed for rapid installation
  - Installation simplified by a wide range of fittings
  - Heavy duty construction – to BS 4678 Part 4
- Note: Please see details relating to suspension and thermal expansion



Trunking assemblies

Ref	Size (W x D)	Packed
TRK50W	50 x 50mm	18m
TRK501W	75 x 50mm	12m
TRK502W	100 x 50mm	12m
TRK503W	150 x 50mm	6m
TRK75W	75 x 75mm	12m
TRK100W	100 x 100mm	6m
TRK150W	150 x 150mm	3m

Divider

Lengths 1.5m

Ref	Size	Packed
DIV50	50mm	30m

Standard modular arrangements assembled to order

Fittings for these arrangements on request.

TRK fittings – popular fittings are supplied as Patented Moulded (M) units (patent No. 2205200 for which couplings are not required. Other fittings are Fabricated (F) and come complete with couplings.

## Technical data

■ Colour: white



### Flat angles (M)

Ref	For trunking size	Packed
FAU50W	50 x 50mm	1
FAU501W	75 x 50mm	1

### Flat angles (F)

Ref	For trunking size	Packed
FAU502W	100 x 50mm	1
FAU503W	150 x 50mm	1
FAU75W	75 x 75mm	1
FAU100W	100 x 100mm	1
FAU150W	150 x 150mm	1

### Internal angles (M)

Ref	For trunking size	Packed
IAU50W	50 x 50mm	1
IAU501W	75 x 50mm	1
IAU75W	75 x 75mm	1

### Internal angles (F)

Ref	For trunking size	Packed
IAU502W	100 x 50mm	1
IAU503W	150 x 50mm	1
IAU100W	100 x 100mm	1
IAU150W	150 x 150mm	1

### External angles (M)

Ref	For trunking size	Packed
XAU50W	50 x 50mm	1
XAU501W	75 x 50mm	1
XAU75W	75 x 75mm	1

Note: The internal cover of XAU 501W is radiused

### External angles (F)

Ref	For trunking size	Packed
XAU502W	100 x 50mm	1
XAU503W	150 x 50mm	1
XAU100W	100 x 100mm	1
XAU150W	150 x 150mm	1

### Flat tees (M)

Ref	For trunking size	Packed
FTU50W	50 x 50mm	1
FTU501W	75 x 50mm	1

### Flat tees (F)

Ref	For trunking size	Packed
FTU502W	100 x 50mm	1
FTU503W	150 x 50mm	1
FTU75W	75 x 75mm	1
FTU100W	100 x 100mm	1
FTU150W	150 x 150mm	1

Internal and external tees are available to special order. Please contact us for further details.



**Cable retainers**

Ref	For trunking size	Packed
RET50W	100 x 50mm	10
RET501W	150 x 50mm	10
RET75W	75 x 75mm	10



**Socket outlet units**

Ref	Size	Packed
SSU1W	1 gang	10
SSU2W	2 gang	10

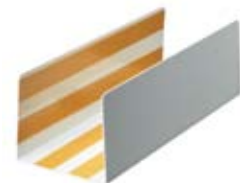
For use with 100mm trunking only



**Internal couplings**

Supplied in pairs, self adhesive

Ref	For trunking size	Packed
IC50W	50mm deep	10
IC75W	75mm deep	10
IC100W	100mm deep	10
IC150W	150mm deep	10



**External couplings – self adhesive**

Ref	For trunking size	Packed
EXC50W	50 x 50mm	1
EXC501W	75 x 50mm	1
EXC502W	100 x 50mm	1
EXC503W	150 x 50mm	1
EXC75W	75 x 75mm	1
EXC100W	100 x 100mm	1
EXC150W	150 x 150mm	1



**Flanged couplings**

Ref	For trunking size	Packed
FC50W	50 x 50mm	1
FC501W	75 x 50mm	1
FC502W	100 x 50mm	1
FC503W	150 x 50mm	1
FC75W	75 x 75mm	1
FC100W	100 x 100mm	1



**Stop ends**

Ref	For trunking size	Packed
TSE50W	50 x 50mm	5
TSE501W	75 x 50mm	5
TSE502W	100 x 50mm	5
TSE503W	150 x 50mm	1
TSE75W	75 x 75mm	5
TSE100W	100 x 100mm	1
TSE150W	150 x 150mm	1



## Technical datasheets

---

**Technical guide**

45

---

**Technical specification**

46-54

---

# Technical guide

---

## We would like to draw your attention to the following important note:

### Thermal expansion

uPVC is subject to thermal expansion and contraction, therefore care should be taken to ensure that trunkings and trays are adequately supported along their length and are not rigidly fixed to any base support or structure. Fixing holes should be made oversize and screws should not be over tightened. A gap should be left between adjoining lengths to allow for expansion, 2-3mm will be sufficient for most needs but where extremes of temperature change are possible, a gap of 6mm should be left.

Conduit should be able to move freely within saddles or clips and it is recommended that an expansion coupling is installed when a straight run exceeds 6m.

All systems are designed to allow installers to comply with current IEE regulations. These notes are issued for guidance and to assist good practice and workmanship.

## These notes are issued for guidance and to assist good practice and workmanship.

A significant proportion of Schneider Electric's resources are dedicated to the maintenance of the highest standards of product design and manufacture. This attention to detail extends to ease of installation and most installers will be familiar with the techniques required. However, we want you the specifier or installer of our products to get the very best out of each and every Schneider Electric system.

In addition to the Technical Sections of each of the main product catalogues, you can rely on the prompt attention of our experienced sales support team simply by ringing 0870 608 8 608.

Alternatively you may wish to request one of our local representatives who would be pleased to go through any particular site requirements and advise as to the most appropriate solution.

# Technical specification

## Introduction

uPVC cable management systems allow for the segregation of power, low voltage, communication and computer cabling. They can accept standard wiring accessories which gives maximum flexibility when changes or extensions are required to the system.

## Authority

Manufactured to comply with the requirements of BS4678: Part 4 (where applicable). All systems allow the installer to comply with the current edition of the IEE Regulations All Schneider Electric products are supplied in accordance with the stated requirements of CE marking, introduced in 1997. Cableline is protected by a Registered Design (No 1057232).

## Description

### Composition

Body and lids are extruded from high impact, self-extinguishing rigid uPVC. Lids for all the compartments clip to the body section with Schneider Electric's proven double locking action, for additional security and to ensure they are not accidentally displaced. The socket outlet boxes clip into the centre compartments. Angles and joint covers (where applicable) clip into position and are secured with either recessed screws or positive action clips.

## Performance

Typical properties of rigid uPVC are:

Specific gravity (Density)

1.35-1.47

Thermal expansion

$6 \times 10^{-5}$  °C. This is approximately equivalent to an expansion of 2mm on a 3 metre length for a temperature rise of 10°C.

Temperature °C range	Min.	Max.
Storage and handling	-5	+50
Installation	-5	+50
Operating	-5	+60

Water absorption

- Negligible

Chemical resistance

Mineral Acids – Excellent

Detergents – Excellent

Alcohols – Fairly good but liable to attack from other solvents such as ketones, aromatics and hydrocarbons.

Maintenance

To be wiped clean with a damp cloth only.

## Sitework

Perimeter systems are designed to allow installers of the system to comply with the current edition of the IEE Regulations. These notes are issued for guidance and to assist good practice and workmanship. Installers should satisfy themselves that the IEE Regulations are being met with regard to the particular installation.

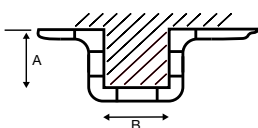
Fixing

The units can be neatly cut using a fine tooth tenon or hack saw and trimmed for appearance with a sharp knife or file.

Installing trunking around pillars

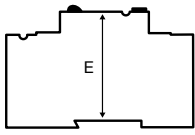
The drawings below show the minimum dimension of pillar around which trunking can be installed by using standard components. Please contact Schneider Electric Customer Care Center on +971 4 7099333 for details of other trunkings. If there are obstructions which are smaller than this, we will be pleased to advise. Care should be taken not to run the installation at the upper temperature continually for long periods.

Product*	A (mm)	B (mm)
Cableline Ambassador	140	65 (70 for DC3W)
Cableline Envoy	140	65
Cableline Prima 60	220	180
Consort Delta 105	220	180



\*These measurements are approximate and allow for a 10mm gap between fittings for inclusion of a short section of trunking/lid.

# Technical specification



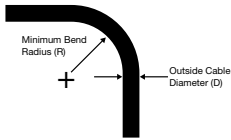
## MCB/RCD/RCBO housing units

These will accommodate either two MCBs or one RCD/RCBO unit. To verify whether the device of your choice will fit the housing unit, measurement E on the following drawing should first be taken. If this falls between 60mm and 68mm, then the device will fit. If it doesn't please contact Schneider Electric Customer Care Center on +971 4 7099333 for guidance on a customised solution.

## Data cable guides

Schneider Electric are able to offer a range of data cable guides for the following product ranges: Cableline Duo, Ambassador, Solo, Envoy.

Data cable guides provide a sweeping bend radius to maximise performance of CAT6 and fibre cables, as stipulated by BSEN50174-2 (CENELEC), ISO IEC11801 and ANSI/TIA/EIA 568B. Data cable guides can be used in conjunction with the standard trunkings, angles, tees and bends and simply clip or fix into place.



## Minimum bend radii

Minimum bend radii must be observed for all cabling to ensure it is not damaged or its performance impaired. The minimum permissible bend radius of a cable is greater during pulling in, when it is under tension, than when installed, and free from tension.


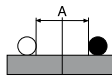
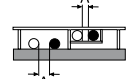
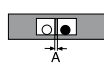
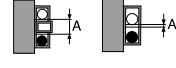
	Installed	Pulling in
EN 50174-2	Should not exceed minimum from product standard	
IEC 11801: 2nd edition	25mm for 4 pair cable <6mm 50mm for 4 pair cable <6mm	Not specified
Horizontal ANSI/TIA/EIA 568-B	4 x D for UTP 4 pair cables	Not specified
Fibre TIA 568-B	(Multipair) 10 x D	15-20 x D

Where D = outside cable diameter

## BS 50174-2 - Separation between Power & Information Technology Cables

In installations where the horizontal cabling length is less than 35m no separation is required, in case of screened cabling. For lengths greater than 35m, the separation distances apply to the full length excluding the final 15m attached to the outlet.

Please see table below

	Distance A					
	Without divider or non-metallic divider <sup>(1)</sup>	Aluminium divider	Steel divider			
 Wall installation	 Floor or ceiling installation	 Raised floor or ceiling installation	Unscreened power cable & unscreened IT cable	200mm	100mm	50mm
Note - All cables should be fixed. For cables with fixing, minimum distance is the distance that is the worst situation between fixing points. Without fixing, 0mm distance shall be taken into consideration.			Unscreened power cable & screened IT cable <sup>(2)</sup>	50mm	20mm	5mm
Example of power cable and information technology cables that run parallel without divider.			Screened power cable & unscreened IT cable	30mm	20mm	2mm
 Underfloor system			Screened power cable & Screened IT cable <sup>(2)</sup>	0mm	0mm	0mm
 Wall mounted system						

1) It is assumed that in case of metallic divider, the design of the cable management system will achieve a screening attention related to the material used for the divider.

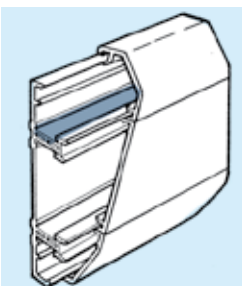
2) The screened IT cables shall comply with EN 50288 series.

## Steel screening divider

Provide a steel screening divider to comply with BS 50174-2.

## Trunking cable capacity charts

Trunking cable capacity charts are available, on request, in a separate document.



# Technical specification

---

## Cableline Prima 60 Perimeter Trunking

### 1 Scope

Cableline Prima 60 conforming to the material and performance requirements of this specification

### 2 General

- a) Trunking shall be manufactured to BS4678: Part 4 (where applicable) under BS EN ISO9001 conditions
- b) They shall be extruded from high impact, self extinguishing rigid uPVC with an operating temperature range of -5°C to +60°C.

### 3 Specification

- a) Standard trunking profile shall be 150x60mm and feature 3 compartments. Trunking base shall be pre-drilled.
- b) External and internal angles shall allow for a +/- 5° movement.
- c) Trunking range should feature a steel divider for power and data separation (to comply with BS50174-2) for both straight lengths and for internal and external corners. Steel divider should be pre-punched
- d) Trunking shall be capable of taking 25mm, 35mm and 50mm deep, one and two gang uPVC wiring accessory mounting boxes. These should have the ability to clip in at any point along the length and be moved to suit changing installation requirements.
- e) An oval bell mouth bush shall form part of the range to fit into screening divider knockouts preventing potential snagging of sensitive cabling
- f) External, internal, flat bends and tees shall provide for a 50mm bend radius (as stated by ISO11801 & Cenelec standards)
- f) Internal angles, external angles and joint covers shall feature safe and secure fixing by way of recessed self drilling screws covered with "teardrop" caps.
- g) The range of colours available shall be those of the RAL/BS4800 spectrum

## Cableline Ambassador and Envoy Perimeter Trunking

### 1 Scope

Cableline Ambassador and Cableline Envoy Perimeter Trunking conforming to the material and performance requirements of this specification.

### 2 General

- a) Trunkings shall be manufactured to BS4678: Part 4 (where applicable) under BS EN ISO9001 conditions.
- b) They shall be extruded from high impact, self extinguishing rigid uPVC with an operating temperature range of -5 to +60°.

### 3 Specification

- a) Standard trunking shall feature three compartments and profiles shall be 145x40mm, 180x52mm or 180x64mm. All trunking bases shall be pre-drilled.
- b) Trunkings shall be capable of being extended at will, with the use of an add-on component. Each component shall add an extra main compartment and increase the height by 85mm.
- c) Angles, tees, covers and end caps shall feature safe and secure fixing by way of recessed self drilling screws covered with dome caps.
- d) All trunkings shall be capable of taking 25mm deep, one and two gang uPVC wiring accessory mounting boxes, 52mm deep trunkings shall also be able to accommodate 35mm deep mounting boxes. These can clip in at any point along the trunking length and can be moved to suit changing installation requirements.
- e) All trunkings should have readily available variants which utilise busbar technology for power distribution. These variants should share the standard trunking design and hence many of the popular fittings.
- f) The range of colours available shall be those of the RAL/BS4800 spectrum.
- g) Optional data cable guides shall be available for the external



# Technical specification



## Raised access floor outlet boxes

The Schneider Electric floor box range contains a complete portfolio of products for installation of British Standard outlets for power and data in raised floor applications. Plastic and stainless steel trimmed floor boxes are available, each including lid, carpet trims and a metal base box, ready for mounting either three or four outlets. The lid can be infilled with various floor materials. The plastic trim can accommodate an insert of up to 6 mm thickness, and ready-to-use lid infills of grey linoleum or stainless steel are available. The stainless steel trim can accommodate up to 15 mm thick insert materials, such as carpet, wood or stone tiles. All floor boxes feature a convenient quick-fix fixing system, enabling a tool-free and secure fit into the floor. The plastic floor boxes are also available in pre-wired versions.

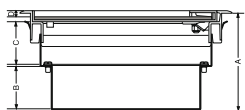
### Benefits

- Quick and easy installation, without tools
- Large outlet capacity
- Wide range of plates and accessories to satisfy end-user requirements
- Three depths: 70, 100 and 130 mm
- The 100 and 130 mm 3-compartment versions are prepared for integration of a circuit breaker
- Lid recesses can be infilled with most common floor finishes
- Reversible, self closing lid
- Durable and scratch-resistant material
- Pre-wired versions: fully assembled and factory tested to eliminate wiring errors and loss of components and reduce installation times
- According to BS EN 60670-23:2008 standard

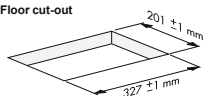
### Technical and Material data

PA/ABS	Density	1.12 g/cm <sup>3</sup>
	Linear expansion	70x10 <sup>-6</sup> m/m °C
	Water absorption	0.9%
	Volume resistivity 1	014 Ω cm
	Dielectric strength	19 kV/mm
	Colour Grey	RAL 7011
PA6	Density	1.13 g/cm <sup>3</sup>
	Linear expansion	70-100x10 <sup>-6</sup> m/m °C
	Colour Blue	RAL 5003
Sheet steel specification S 350 GD	Density	7.8 g/cm <sup>3</sup>
	Surface treatment	Zinc coated
Stainless steel specification X5CrNi 18-10	Density	7.8 g/cm <sup>3</sup>
	Cable capacity	1720 mm <sup>2</sup> , max. cable Ø 11 mm
Temperature range	Operating temperature from -25°C to +60°C	
Degree of protection	IP20	
Standards	The products comply with BS EN 60670-23:2008	
	The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC	

### Dimensions



### Floor cut-out



### Dimensions

	A mm	B mm	C mm	D mm
<b>Plastic trimmed boxes</b>				
INS53070 INS54070	75	30	30	6
INS53100 INS54100	105	45	45	6
INS53130 INS54130	135	60	60	6
<b>Steel trimmed boxes</b>				
INS53170 INS54170	84	30	30	15
INS53200 INS54200	114	45	45	15
INS53230 INS54230	144	60	60	15

# Technical specification



## Power track systems Type PT

### Technical Specifications/Details

#### Standards and compliance

Power track system type PT has been designed and fully type tested to the following standards.

BS EN 60439-1

BS EN 60439-2 (formerly BS 5486 Part 2)

IEC439/2

Power track system type PT also complies with the requirements of BS7671: 2001 ( IEE Wiring Regulations 16th Edition)

#### Track current rating

63 Amp, 240 V ac, 50Hz Single Phase

### Short circuit rating

#### Track

Max conditional prospective fault current: 16.5KA (Short Circuit protection being provided by fuse links BS 88 rating 100amp maximum.)

Maximum withstand current

10 KA Peak

Short time withstand current

1200A for 0.4 sec

32 Amp unfused tap off

Maximum withstand current

10 KA Peak

#### Degree of protection

Track: IP 4X

Feed Units: IP 4X

#### Earth fault loop impedance

BS 7671: 2001 requires that the total earth loop impedance of any circuit is determined and that the value be low enough to ensure that, in the event of an earth fault occurring, the circuit protective device will operate within the time specified. The resistance values for power track type PT, stated at an ambient temperature of 20°C, are listed below.

Phase Busbar	1.5m $\Omega$ / M.
Earth Busbar & Housing	1.0m $\Omega$ / M.
Earth Busbar (Clean Earth)	1.5m $\Omega$ / M.
Track Connector (per pole)	0.1m $\Omega$ /.
Feed Unit (per pole)	0.1m $\Omega$ /.
Tap Off 32 Amp Unfused (4mm <sup>2</sup> x 3M) (Line & Earth)	30.0m $\Omega$ /.

#### Earth bonding

The earth busbar is repeatedly connected to the track body along a track run ie, at the feed unit and each track interconnector. This also applies to the ordinary earth busbar in the clean earth system.

#### Voltage drop

The values of voltage drop for system PT listed below are for full load conditions at a typical ambient temperature of 25°C.

Track busbars (line and neutral)	3.2 mV / A / M.
Track interconnector (line and neutral)	0.2 mV / A.
Feed unit (line and neutral)	0.2 mV / A.
32 Amp unfused tap off (4mm <sup>2</sup> x 3M)	11.0 mV / A / M.

#### Cable capacity of terminals

Feed unit 16mm<sup>2</sup>

#### Tap off units

Standard and clean earth tap offs are non interchangeable. Both types are available in 32 Amp unfused and 13 Amp and 16 Amp fused versions. They comply with the high integrity earth requirements of section 607 of the IEE Wiring Regulations (BS7671) as they employ 4mm<sup>2</sup> earth cables enclosed within a flexible conduit.

#### 32 Amp unfused tap offs

These tap offs are designed to comply with regulation 473-02-02 of the IEE Wiring Regulations (BS 7671). They consist of an unfused plug with 3 metres of 4mm<sup>2</sup> cables, enclosed in 16mm diameter flexible conduit, which are terminated in the tap off plug via welded connections.

#### 13 Amp and 16 amp fused tap offs

Fused tap offs are required where lengths greater than 3 metres are to be used. The tap off plug is fused at 13 Amp or 16 Amp, with the specified length (normally 5 metres) of 16mm diameter flexible conduit enclosing 2.5mm<sup>2</sup> live and neutral and 4mm<sup>2</sup> earth cables, enclosed in 16mm diameter flexible conduit, which are terminated in the tap off plug via welded connections.

# Technical specification

---

## Underfloor busbar trunking (power track)

1. The busbar trunking shall comply with the relevant requirements of BS EN 60439-1 and have been fully type tested and ASTA certified to BS EN 60439-2 (formerly BS 5486 Part 2).
2. The busbar trunking enclosure and feed unit housings shall be manufactured from galvanized steel and shall have a degree of protection of IP 4X.
3. Feed unit terminals shall be capable of accepting cables up to 16mm<sup>2</sup> singly.
4. The busbar system shall be rated at 63A at 240V ac, and shall have a maximum withstand current rating of 10 KA peak and a short time withstand current rating of 1200A for 0.4 sec.
5. All busbars and interconnector pins, 3 No. for standard earth systems and 4 No. for clean earth (low noise) systems shall be of high conductivity copper having a minimum cross sectional area of 12mm<sup>2</sup>. Connection points between interconnector pins and the busbar sections shall be supplemented by the use of spring steel or equivalent braces to ensure long term integrity of these joints.
6. Standard and clean earth systems shall be clearly colour coded as shall be the tap offs (as detailed later).
7. Shuttered tap off outlet facility shall be provided at 300mm intervals and shall be equipped with retained dust caps for protection when the tap off is out of service.
8. All tap offs shall have an integral latching mechanism to prevent accidental removal. Unfused tap offs shall be rated at 32A and shall incorporate the welded connection of cables to the tap off plug pins. The cables shall be 4mm<sup>2</sup> LSF enclosed in 16mm diameter flexible metallic conduit. Fused tap offs shall be rated at 13A (ability to fuse up to 16A) and shall incorporate 2.5mm<sup>2</sup> LSF cables for live and neutral and 4mm<sup>2</sup> for earth (to comply with section 607 of the IEE regulations, high integrity earth) enclosed in 16mm diameter flexible metallic conduit.
9. Standard and clean earth tap offs shall be both colour coded and non interchangeable to ensure that accidental mixing of services does not occur.

## Floor grommets

Please contact the technical office for data sheet

## Flush screed trunking

### Installation instructions

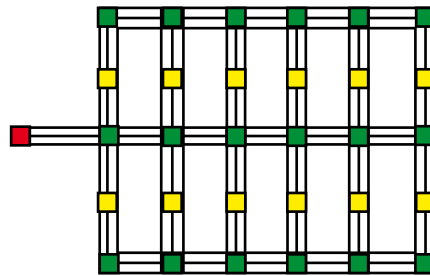
1. Plan and mark out trunking layout in accordance with site/project requirements.
2. To ensure a satisfactory result, the trunking base should be fully supported along its width and entire length.
3. Lay out trunking lengths and junctions units in the first line and joint together using appropriate jointing kits.
4. When the line is straight and in position, secure the trunking to the structural floor slab to ensure a firm installation.
5. Once the grid is in position and completely secured, screeding can commence using the trunking top cover as a datum.
6. When the concrete has completely set, covers can be removed to enable wiring installation.
7. NB: Care should be taken to ensure that trunking runs are clean and free from excess moisture prior to cable installation particularly important when concrete requires additional watering during curing, to prevent cracking in especially hot climates.

# Technical specification

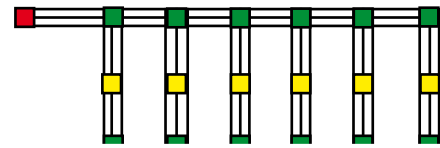
## Flush screed trunking system

- 1 A complete system of 3 compartment flush floor trunking (to accommodate power, telephone and data services) shall be provided to serve the office areas of the building, such that maximum flexibility may be obtained throughout. The flush trunking base shall be fully supported along its width and entire length.
- 2 The Flush Floor Trunking, 325mm wide, having cover lids of 200mm and 400mm, shall be manufactured in suitable lengths to provide a modular system which can be prefabricated on site.
- 3 The trunking compartment dividing fillets shall be manufactured from 1.2mm thick galvanised sheet steel and meet the underside of the trunking lids. The top of the fillets and the lid supporting edge of the trunking body shall be provided with a sound deadening/sealing gasket.
- 4 The dividing fillets shall be designed so as to allow the installation of an outlet unit at any point where a 200mm cover lid occurs.

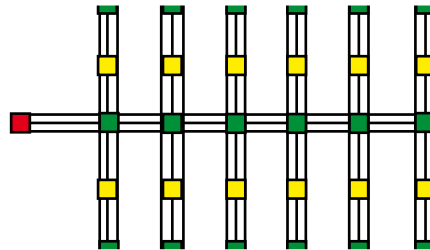
## Grid pattern



## Comb pattern



## Fishbone pattern



## Layout

Depending on the degree of flexibility required, the ducting system is usually laid out on a Grid, Fishbone or Comb pattern.

A Grid pattern is recommended if the user requires maximum flexibility. In any reorganisation of the user's work areas, the Grid patterned system provides maximum options for cabling requirements.

A Fishbone pattern is ideal for medium sized areas where fewer outlet points are required.

A Comb pattern offers economy with optimum floor outlet positioning.

# Technical specification

## Underscreed trunking

- 1 Plan and mark out trunking layout in accordance with drawing and site requirements.
- 2 Dimensional variations in the level of the floor slab are to be corrected by applying a suitable bedding prior to the positioning of the trunking components.
- 3 Position the junction boxes and service outlet units, install the trunking runs between using the junction flanges and connectors as required. (Further bedding may be required to bring the components to the required finished level).
- 4 Once the junction boxes and service outlet units have been positioned, screeding can commence. Check that the recommended screed cover of trunking runs between boxes is maintained. A minimum of 25mm. It is recommended that expanded metal mesh is laid over the trunking runs prior to screeding if 'coverage' of 25mm or less is anticipated at any point.
- 5 Wiring can now commence.
- 6 Once the wiring has been completed and sockets, telephones, jack etc have been connected and fitted onto the outlet

### Layout

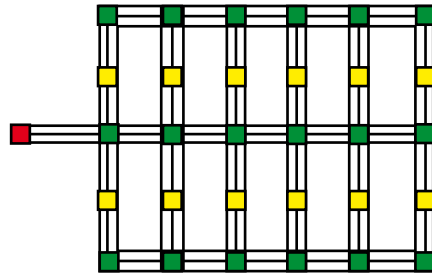
Depending on the degree of flexibility required, the ducting is usually laid out on a Grid, Fishbone or Comb pattern of single, double or triple runs.

A Grid pattern is widely used in areas where the occupants require a great degree of flexibility in reorganising work areas. Capacity can be increased by returning individual ring mains through different runs of ducting which in itself makes for simple installation.

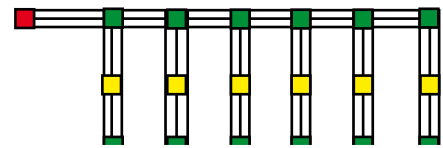
The Fishbone pattern is ideal for a medium sized area where fewer outlets are required.

The Comb pattern is the most economical method of installation. Utilising the minimum ducting possible, an economical result is provided

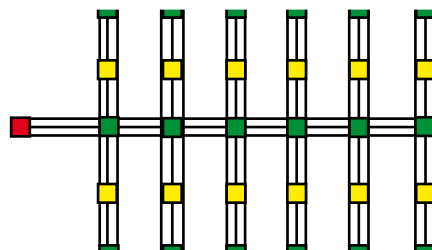
## Grid pattern



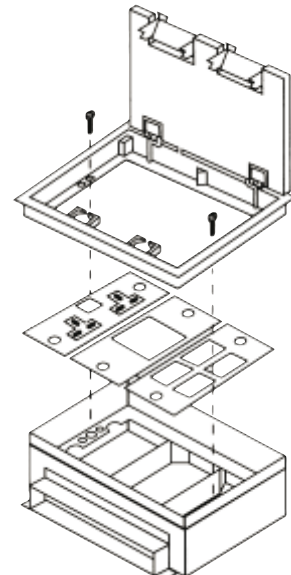
## Comb pattern



## Fishbone pattern



## Mounting of the outlet unit



# Technical specification

---

## Underscreed trunking system

- 1 A complete system of 3 compartment underfloor trunking 225mm wide x 25/38mm deep for the distribution of power, telephone and computer services, within the floor screed shall be provided in accordance with the layout as shown on the specification/contractor drawings.
- 2 The trunking shall be galvanised sheet steel formed by 3 x 'U' shaped bodies, minimum thickness 1.0mm, side by side with a large single 'U' shaped cover, minimum thickness 1.2mm span.
- 3 All junction boxes and service outlets shall be fabricated from galvanised steel with the junction boxes having a top trap and cover manufactured from die-cast aluminium. The service outlet unit shall have a hinged lid assembly with a minimum 4.0mm thickness of steel fitted into the lid section for strength to general office floor loading requirements.
- 4 Accessories shall consist of junction boxes, outlet units, connectors, rising bends, stop ends and accessory plates for the outlet units. The system shall provide metal jointing connectors with locking screws for grounding purposes.

**Schneider Electric**

E Wing, Level 4, Dubai Silicon Oasis, Emirates Road & Dubai-Al Ain Road Intersection  
P.O. Box 341057, Dubai, United Arab Emirates  
Phone: + 971 (4) 709 91 00  
Fax: + 971 (4) 709 91 01  
[www.schneider-electric.ae](http://www.schneider-electric.ae)

LSG/CA/MITA/11

Due to evolution of standards and equipment, the characteristics indicated in texts and images of this document do not constitute a commitment on our part without confirmation.

June 2011