

PVC-U PERIMETER TRUNKING SYSTEMS

PVC-U perimeter trunking is an ideal solution for the transportation of data, communication and power cabling.

PVC-U PERIMETER TRUNKING SYSTEMS

PVC-U perimeter trunking systems

Polyvinyl chloride unplasticised (PVC-U) is one of the most successful modern synthetic materials. It makes excellent use of scarce resources, is long-lasting and safe in production, use and is widely recycled.

PVC-U cable containment is easy to install, light to handle and very cost-effective. It is an excellent choice of material for the majority of commercial, education and healthcare environments and has been more thoroughly researched than almost any other synthetic material.

With the widest range of any supplier, there will always be a perfect solution with Marshall-Tufflex.

We have PVC-U multi-compartment perimeter trunking in different heights, designs, cable capacities and numbers of compartments to suit all installation requirements.

Choose the UK's number one in cable management.

Standard colour

The standard colour for each Marshall-Tufflex perimeter trunking range is shown within each relevant product information section, although solid white RAL 9003 is our most popular colour option.

The below table identifies the relevant RAL colour reference for all our standard colour options, dependent on product range. However we would be happy to quote for any other colour requirements, please see the Special Colours section.

Material	Standard colour	Colour code suffix	RAL
PVC-U	Solid White Charcoal	WH CH	9003 7021

Standard Colours	
WH	CH
WH: White CH: Charcoal	



Please note: it is dependent on the product range as to which colour is available as standard.

Special colours and finishes



To help enhance the style of an installation, different variations of solid colour are sometimes required.

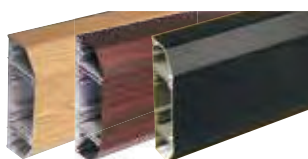
We can provide special colours in either a solid PVC-U solution or a painted solution dependent on your client's preference. All special colours requirements will need to be specified as a RAL colour.

Please note: due to different processes and materials utilised, it may not always be possible to obtain an exact colour match between the extruded and moulded product.

Woodgrain finishes

For a truly authentic look, we offer a range of woodgrain finishes for trunking and fittings in Light Oak, Mahogany and Ebony that provide interior designers with the scope to offer a more traditional feel. Colours can be indicated by replacing the WH colour code with the specific woodgrain code required.

Woodgrain finish		
LO	MY	EY
LO: Light oak MY: Mahogany EY: Ebony		



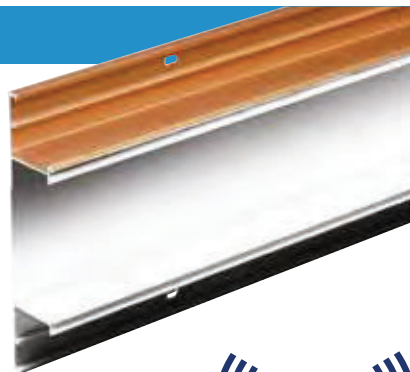
Please note: these colours and finishes are made to order and therefore are subject to set up charges, minimum order quantities and a longer lead time. For more information and a quotation contact our Technical Team on +44 (0)1424 856688.

Copper screening

A special conductive spray coating is applied to the relevant section of the trunking or fittings to screen data cables against EMI interference with no reduction in cable capacity.

Marshall-Tufflex offer a standard range of copper screened products within selected PVC-U perimeter trunking systems which are shown within this catalogue and are held in stock.

If you have a requirement for products to be copper screened that are not part of our standard range, please contact our Technical Team on +44 (0)1424 856688. Please note that non standard products are made to order and therefore are subject to set up charges and a longer lead time.



Bio antimicrobial trunking



Where hygiene is a priority, Marshall-Tufflex has a solution with integral antimicrobial properties that can be incorporated within the PVC-U perimeter trunking and deliver ongoing antimicrobial protection that prevents 99.9% of harmful bacteria.

Because the Marshall-Tufflex Bio trunking solution is integral to the PVC-U material, there is no reduction in effectiveness of the trunking throughout its life – even if it is scratched or damaged.

We hold stock of key Odyssey and Sterling Curve trunking components with Bio antimicrobial protection due to its popularity.



The following trunking systems; Compact trunking, Mono Plus 20 trunking, Sterling Profile, Twin Plus trunking and XL trunking are also available in Bio but not available as standard.

Please note: non standard products are made to order and therefore are subject to set up charges and a longer lead time. For more information and a quotation contact our Technical Team on +44 (0)1424 856688.



Environmental

- No increase in dioxin emission from Municipal Waste Incineration.
- No phthalates used in manufacture of PVC-U or FR-ABS.
- Lead-free formulations are used for mouldings and extrusions.
- No use of cadmium-based stabilisers or pigments.
- Lowest oil content of a commodity plastic.



Recycling and sustainability

- PVC-U is a cost-effective, sustainable choice and comparable with other materials such as steel, aluminium, copper and wood.
- 100% recyclable material.
- Long life cycle.
- Excellent weather resistance.
- No painting or powder coating required.



EMI protection

- (Electromagnetic interference)
- Some PVC-U systems are available with a coating that provides effective screening against electromagnetic interference with no reduction in cable capacity.
 - Steel screening insert option.
 - Aluminium screening insert option.



Fire performance

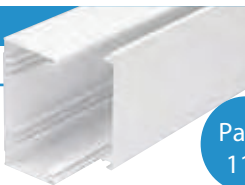
- The fire rating for PVC-U is excellent* and PVC-U has all the characteristics required for Fire Escape Time.
 - Highly resistant to ignition.
 - Does little to contribute to the spread of fire and is classified to Building Regs: Class 0.
 - Has a low rate of smoke production during the early stages of a fire.
 - Acts as an effective barrier to flame spread from malfunctioning electrical components within systems.
 - Chars and is self-extinguishing.
 - Does not produce flaming droplets or burning debris.
 - ABS fittings fire rated to UL94V0.
- *see the independent report at www.beamainstallation.org.uk

PVC-U multi-compartment perimeter trunking is available in different heights, designs, cable capacities and numbers of compartments to suit all installation requirements. Standard PVC-U products are supplied as white. For further information on colour and finish options please refer to page 102 or call our Technical Team on +44 (0)1424 856688.

Note: you may use the rule on the left of this page to check profile sizes.

Mono 10**100 x 50mm**

Small trunking with a single cover suitable for dado application and as a feeder trunking.



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Sterling Profile 1**167 x 50mm**

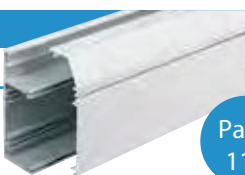
Dado trunking with three separate compartments and individual covers for each compartment.



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Compact 1**130 x 50mm**

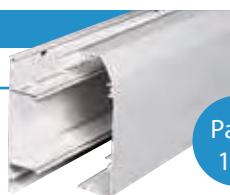
Dado and skirting trunking with one full and one half size compartment.



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Sterling Profile 2**167 x 50mm**

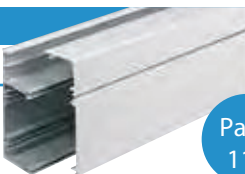
Skirting trunking with three separate compartments and individual covers for each compartment.



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Compact 2**130 x 50mm**

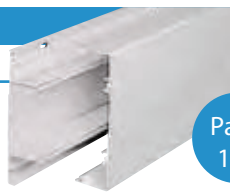
Dado and skirting trunking with one full and one half size compartment.



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Sterling Profile 3**167 x 50mm**

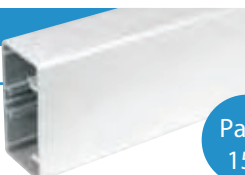
Dado and skirting trunking with three separate compartments and individual covers for each compartment.



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Series R 130**130 x 65mm**

Extra deep compact trunking suitable for dado application and as a feeder trunking.



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Sterling Curve Profile 1**167 x 50mm**

A new dado trunking with three segregated compartments that can be subdivided and screened if required.

**NEW**

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Mono Plus 20**140 x 50mm**

Dado trunking with three compartments and a single cover.



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Sterling Curve Profile 2**167 x 50mm**

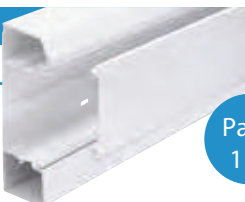
A new skirting trunking with three segregated compartments that can be subdivided and screened if required.

**NEW**

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Mono Plus 30**155 x 55mm**

Dado trunking with one main compartment and two smaller outer compartments suitable for skirting or worktop application.



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Odyssey**180 x 57mm**

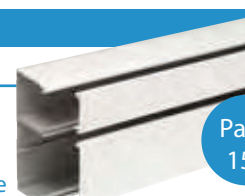
Curved profile dado trunking with one main compartment and two smaller outer compartments.



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Twin165**160 x 65mm**

A mid-size dado trunking with one full size compartment and one two-thirds size compartment to accommodate Cat 6 and Cat 6a data cabling.



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Compact 3**181 x 50mm**

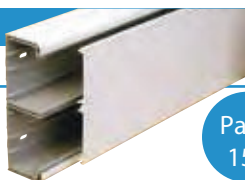
Dado and skirting trunking with two full size compartments.



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Twin Plus**210 x 57mm**

Large dado and skirting trunking with two deep compartments incorporating segregation of power and data.



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Sterling Profile 11**255 x 50mm**

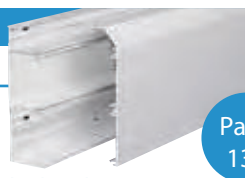
Dado trunking with four full size compartments and the option of extending the height.



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Sterling Profile 4**218 x 50mm**

Large dado and skirting trunking with one half size and two full compartments with the option of extending the height.



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Sterling Profile 12**255 x 50mm**

Skirting trunking with four full size compartments and the option of extending the height.



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Sterling Profile 5**218 x 50mm**

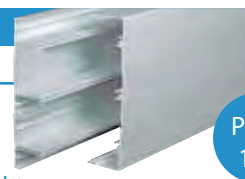
Large dado and skirting trunking with one half size and two full compartments with the option of extending the height.



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Sterling Profile 13**255 x 50mm**

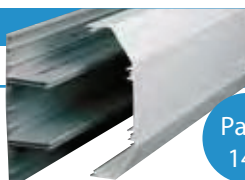
Dado and skirting trunking with four full size compartments and the option of extending the height.



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XL Trunking 201**220 x 65mm**

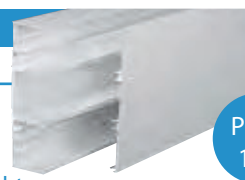
Extra large dado trunking with three deep compartments.



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Sterling Profile 6**269 x 50mm**

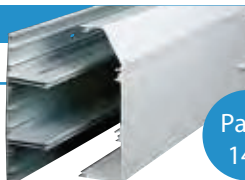
Dado and skirting trunking with three full size compartments and the option of extending the height.



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XL Trunking 202**220 x 65mm**

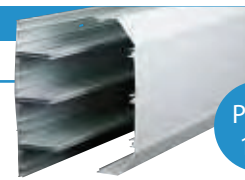
Skirting trunking with three deep compartments.



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XL Trunking 211**308 x 65mm**

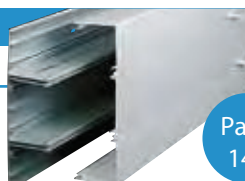
Dado trunking with four deep compartments.



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XL Trunking 203**220 x 65mm**

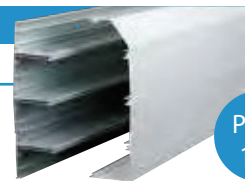
Dado and skirting trunking with three deep compartments.



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XL Trunking 212**308 x 65mm**

Skirting trunking with four deep compartments.



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XL Trunking 213**308 x 65mm**

Dado and skirting trunking with four deep compartments.



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Sterling Profile and XL Trunking

These trunking ranges can be extended easily by using additional compartments. For more information, contact the Technical Team on +44 (0)1424 856688.

Note: you may use the rule on the left of this page to check profile sizes.

Part M Boxes

DDA compliant boxes for visual impairment

Part M of the UK Building Regulations for Visual Impairment requires that face plates differ in colour from their background. Coloured accessory boxes provide a different colour frame to contrast against standard white accessories and are offered as part of our standard product range in blue (RAL5002) and charcoal (RAL7021). Two ranges are available, one compatible with Odyssey and one compatible with other PVC-U and Aluminium trunking systems.



Odyssey trunking with Part M boxes installed at Old Swinford Hospital School, Stourbridge.



Sterling Profile 1 with charcoal Part M flush plate.

Plates are available in other colours subject to set up charges, minimum order quantities and longer lead times.



1 and 2 gang coloured accessory boxes for Odyssey trunking

code	description	pack
DD1510BU	1 gang – blue	20
DD1510CH	1 gang – charcoal	20
DD1520BU	2 gang – blue	10
DD1520CH	2 gang – charcoal	10



1 and 2 gang accessory boxes with coloured flush plate for PVC-U and Aluminium trunking systems

code	description	pack
ESPM1BU	1 gang - blue plate	1
ESPM1CH	1 gang - charcoal plate	1
ESPM2BU	2 gang - blue plate	1
ESPM2CH	2 gang - charcoal	1



1 and 2 gang data mounting frame for Odyssey trunking

code	description	pack
DD1560BU	1 gang - blue	20
DD1560CH	1 gang - charcoal	20
DD1570BU	2 gang - blue	10
DD1570CH	2 gang - charcoal	10

NEW



1 and 2 gang data mounting frame for Odyssey Bio trunking

code	description	pack
DD1561BU	1 gang - blue	20
DD1561CH	1 gang - charcoal	20
DD1571BU	2 gang - blue	10
DD1571CH	2 gang - charcoal	10



NEW



For more information and a quotation contact our Technical Team on +44 (0)1424 856688

MT32 prefabricated and modular wiring systems

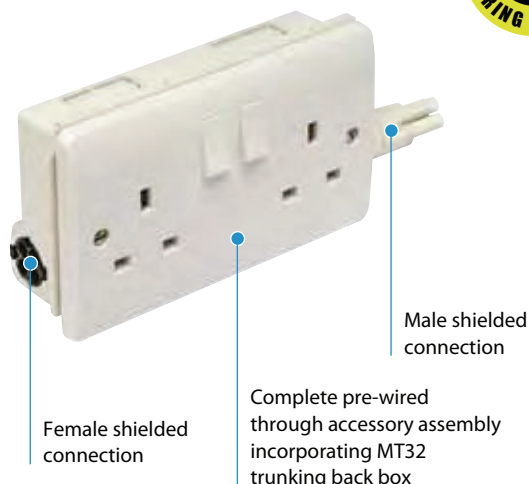
MT32 prefabricated and modular wiring systems are designed to take all the hard work out of electrical installations by providing the complete pre-wired, pre-tested, plug and play electrical wiring system.

MT32 is a modular plug and play system designed to simplify electrical installation of power within perimeter trunking and underfloor installations. The system provides fast, safe, labour and cost saving installations that comply with BS 8488:2009+A1:2010 for prefabricated wiring systems intended for permanent connection in fixed installation.

The range of pre-wired, pre-tested and assembled interconnecting leads and accessory modules incorporating the Marshall-Tufflex compact 32Amp connector.

Product information

- 32Amp rated system
- Available as LSOH 3 core 2.5mm² flex system specification that meets the requirement for high integrity earthing
- Suitable for ring and radial circuits
- Circuit testing only required on completion of final layout
- Reduced installation time – no cutting required on site
- Reduced health & safety risk



Pre-wired accessories



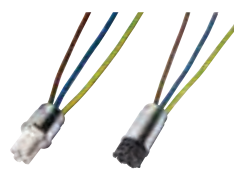
Extension cable 2.5mm²

code	length	pack
AA3330	0.5m	1
AA3331	1.0m	1
AA3332	1.5m	1
AA3333	3.0m	1
AA3335	5.0m	1



Connection cable free end 2.5mm²

code	length	pack
AA3732 (male)	1.5m	1
AA3532 (female)	1.5m	1



Male and female adaptors 2.5mm²

code	length	pack
AA7211 (male)	220mm	1
AA7212 (female)	220mm	1

For adapting distribution board to modular system
Note: to fit 20mm knockout

MT32 Connectors

The description 'male' (white) and 'female' (black) does not refer to the connector pins but describes and identifies the moulded connector housings.

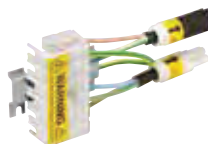
For further information please contact our Technical Team on +44 (0)1424 856688.



Adaptor cables 2.5mm²

code	length	pack
AA8901 (male/male)	0.5m	1
AA8902 (female/female)	0.5m	1

Required for ring circuit



Terminal block 2.5mm²

code	size	pack
AA6510 (female/male)	2.5mm ²	1



Pre-wired accessory 2.5mm²

code	size	pack
AA6221	2 gang	1

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Technical Information

Odyssey is a three-compartment trunking system with a completely curved front profile designed with tamper-resistant covers and fittings and flush accessories to enhance the finished appearance. Odyssey's curved profile is easy to clean and prohibits surface clutter.

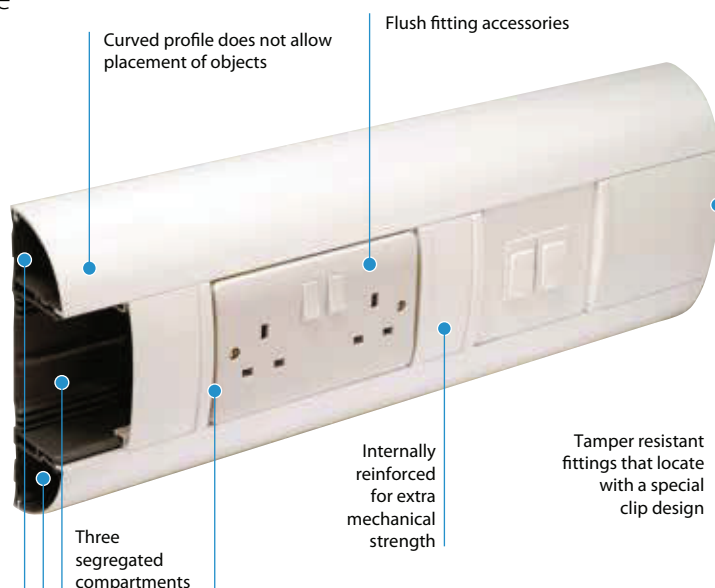
Product information

- 180 x 57mm
- 1 main compartment and 2 smaller outer compartments
- Can be subdivided
- Suitable for dado application
- Available in antimicrobial Bio option (see page 109)
- Flush fitting accessories
- Tamper resistant covers and fittings

Data information

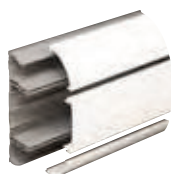
- Standard bend radius 25mm
- Data fittings available for bend radius up to 65mm
- Steel divider available to BS EN 50174-2
- Can be screened against EMI with no reduction in cable capacity
- Adjustable data box 32-40mm
- Screened divider and data boxes

...DATA...

**Standard colour**

WH

WH: White



Trunking assembly
(base and 3 covers)

code	size	pack
DD1WH	180 x 57mm	1 x 3m

Part M

The Odyssey trunking range includes unique coloured accessory boxes that meet the requirements of Part M (DDA) please refer to page 106.



Trunking profile

Fittings

**Coupler**

code	pack
DD1210WH	1

**End cap**

code	pack
DD1230WH	2

**Internal bend**

code	pack
DD1310WH	1

**Internal bend adjustable**

code	adjustable	pack
DD1330WH	85-95°	1

**External bend**

code	pack
DD1350WH	1

**External bend adjustable**

code	adjustable	pack
DD1370WH	85-95°	1

**Flat angle up/down**

code	pack
DD1410WH	1

**Flat tee 3 part assembly – up/down**

code	pack
DD1430WH	1

Flat tee cover

An option is available to order a flat tee cover only. Please call the Technical Team on +44 (0)1424 856688.

Fittings



MMT2 adaptor

code	size	pack
DD1740WH	MMT2	1



Round conduit adaptor

code	size	pack
DD1720WH	20mm	1
DD1725WH	25mm	1

Boxes



*RCD housing

code	depth	pack
DD1580MWH		1

*Up to 4 modules can be accommodated
Note: RCDs are not supplied by Marshall-Tufflex



1 gang accessory box

code	depth	pack
DD1510WH	30mm	20



2 gang accessory box

code	depth	pack
DD1520WH	30mm	10



*1 gang adjustable depth box

code	depth	pack
*DD1540WH	32 – 40mm	10

DD1540 is fully adjustable to 47mm. Please see page 311 for more information.



*2 gang adjustable depth box

code	depth	pack
*DD1550WH	32 – 40mm	10

DD1550 is fully adjustable to 47mm. Please see page 311 for more information.



*Accessory box adaptor

code	pack
DD1590WH	1 pair

Each pack contains 2 adaptors



1 gang data mounting frame

code	pack
DD1560WH	20



2 gang data mounting frame

code	pack
DD1570WH	10

*Box adaptors

When installing adjustable boxes DD1540 and DD1550, a DD1590 adaptor should be used at either end of the box.

Where two or more adjustable boxes are being used in line, the spacer included is for use between boxes and a DD1590 adaptor is used at either end.

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.

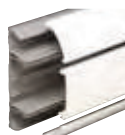
Bio

Odyssey Bio



Odyssey is available as part of our standard range with Bio antimicrobial protection within the PVC-U material.

Odyssey Bio trunking component chart



Odyssey trunking
180 x 57mm

Trunking assembly	End cap (1 piece)	Coupler (1 piece)	Internal bend (1 piece)	Internal adjustable bend	External bend (1 piece)	External adjustable bend	Flat angles (up or down)	Flat tees (up or down)	1 gang Bio data mounting frame	2 gang Bio data mounting frame
DD1B Pack 1 x 3m	DD1233 Pack 2	DD1213 Pack 1	DD1313 Pack 1	DD1333 Pack 1	DD1353 Pack 1	DD1373 Pack 1	DD1413 Pack 1	DD1433 Pack 1	DD1561 Pack 1	DD1571 Pack 1

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Technical
Information

Screening

Conductive spray (CS) is unique to Marshall-Tufflex and is applied in the factory to provide screening from electromagnetic interference to data and communications cabling with trunking systems. The coating is applied to a range of data boxes, covers, clip-on components and fabricated fittings.



WARNING: A CS coating is not suitable for low voltage circuits. B57671:2008. For data/voice use only.

**Steel screening divider**

code	pack
DD1730	1

Note: optional steel screening divider to assist in compliance with BS EN 50174-2

**Steel screening divider bonding clip**

code	pack
ESF3	5

**Bonding strap**

code	pack
DD1711	5

Odyssey screened component chart**Odyssey trunking assembly screened – 1 compartment only**

Pack	1 x 3m
------	--------

**Odyssey trunking assembly screened – compartment 1 & 3**

Pack	1 x 3m
------	--------

**Flat angle (1 & 3)**

Pack	1
------	---

**Flat tee (1 & 3)**

Pack	1
------	---

For covers only, please contact the technical team

**1 gang accessory box**

Pack	1
------	---

**2 gang accessory box**

Pack	1
------	---

**3 Compartment****Odyssey CS1**

DD1001

DD1002

DD1412

DD1432

DD1511

DD1521

Odyssey Trunking

Odyssey can enhance the look of a project as well as providing all of the practical features that ensure fast and easy installation.

Pre-punched bases
Elongated holes at 200mm intervals for quick installation.

Built-in cable tray
Allows cable support during installation. Acts as reinforcement for outer covers improving mechanical and impact resistance.

3-part tee
Full cable segregation and data compliance. No couplers required.

No mitreing/cutting of corners required.

Striking curved profile
Dust traps avoided, clutter can't be gathered and cleaning easier.

Fixed & adjustable internal & external bends
Accommodates building intolerances in corners with +/- 5° flexibility.

Recessed boxes for curved accessories
Flush accessories to maintain a smooth profile.

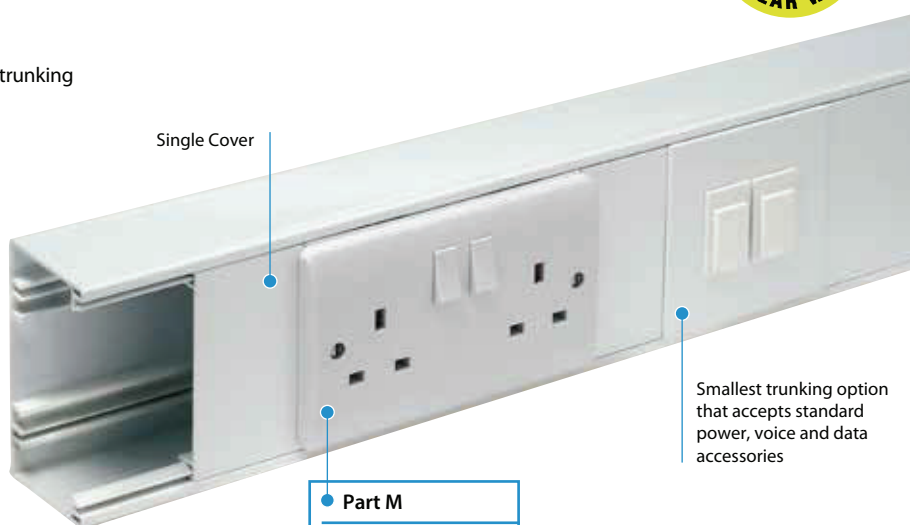
Mono 10 is a compact trunking that is perfectly suited for the smaller office or workshop area.

Product information

- 100 x 50mm
- 1 main compartment
- Can be subdivided
- Suitable for dado application and as a feeder trunking

Data information

- Standard bend radius 25mm
- Adjustable data box 32-40mm
- Screened divider and data boxes



Standard colour
WH
WH: White

Basic components

**Trunking base**

code	pack
ETB10WH	4 x 3m

Main compartment cover

code	pack
ETL1WH	8 x 3m

Part M

For box assemblies that meet the requirements of Part M (DDA) please refer to page 106.



Fittings

**Coupler**

code	pack
EC10WH	5

**End cap**

code	pack
EEC10WH	5

**Internal bend**

code	pack
EIB10WH	5

**External bend**

code	pack
EXB10WH	5

**Flat angle cover**

code	pack
EFA10WH	1

**Flat tee – up/down**

code	pack
EFT10WH	1
Fabricated	

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Technical Information

Components



Dividing tray

code	pack
EDF2	8 x 3m



Cable retainer

code	pack
EMCR1	10

Boxes and plates



*RCD/MCB Housing

code	pack
EAHC1MWH	1



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10



Accessory box spacer

code	size	pack
ES1WH	14mm	4

*Up to 4 modules can be accommodated
Note: RCDs are not supplied by Marshall-Tufflex

For use between accessory boxes



.....DATA.....

1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 40mm	10



.....DATA.....

2 gang adjustable depth box

code	depth	pack
EAB2WH	32 – 40mm	5



.....DATA.....

1 gang accessory plate

code	pack
ESSP1WH	10



.....DATA.....

2 gang accessory plate

code	pack
ESSP2WH	5

EAB1 and EAB2 are fully adjustable to 47mm.
 Please see page 311 for more information.

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.

Mono Plus 20 is an economical and stylish three-compartment trunking, compact in size and designed to fit within areas that may have trunking height restrictions.



'Bio option' available to special order

Product information

- 140 x 50mm
- 1 main compartment and 2 smaller outer compartments
- Can be subdivided
- Suitable for dado application

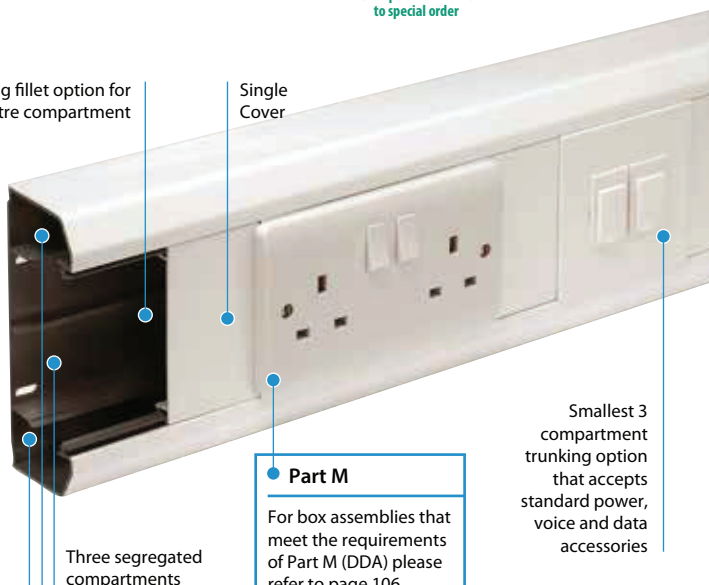
Data information

- Standard bend radius 25mm
- Data fittings available for bend radius up to 50mm
- Adjustable data box 32-40mm
- Screened divider and data boxes

Standard colour
WH
WH: White

Dividing fillet option for centre compartment

Single Cover



Three segregated compartments

Part M

For box assemblies that meet the requirements of Part M (DDA) please refer to page 106.



Smallest 3 compartment trunking option that accepts standard power, voice and data accessories

Basic components



Trunking base

code	pack
EMT20WH	4 x 3m

Main compartment cover

code	pack
ETL1WH	8 x 3m

Fittings



Coupler

code	pack
EC20WH	5

End cap

code	pack
EEC20WH	5

Internal bend

code	pack
EIB20WH	5

External bend

code	pack
EXB20WH	5



Flat angle - up/down

code	pack
EFA20WH	1
Fabricated	

Slow bend

code	pack
EFA20SBWH	1
Fabricated	

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Technical Information

Fittings



Flat tee – up/down

code	pack
EFT20WH	1
Fabricated	



Flat tee

Gusseted

code	pack
EFT20GTWH	1
Fabricated	

Components



Dividing fillet

code	pack
EDF1	8 x 3m



Main crossover bridge

code	pack
EMCB1	5



Main cable retainer

code	pack
EMCR1	10

Boxes and plates



*RCD/MCB Housing

code	pack
EAHC1MWH	1



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.



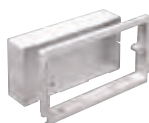
*Up to 4 modules can be accommodated
Note: RCDs are not supplied by Marshall-Tufflex



....DATA....

1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 40mm	10



....DATA....

2 gang adjustable depth box

code	depth	pack
EAB2WH	32 – 40mm	5



....DATA....

1 gang accessory plate

code	pack
ESSP1WH	10



....DATA....

2 gang accessory plate

code	pack
ESSP2WH	5

EAB1 and EAB2 are fully adjustable to 47mm.
 Please see page 311 for more information.

Mono Plus 30 is an economical and stylish three-compartment compact skirting system, particularly suitable for general office applications.



Product information

- 155 x 55mm
- 1 main compartment and 2 smaller outer compartments
- Can be subdivided
- Suitable for skirting or worktop application

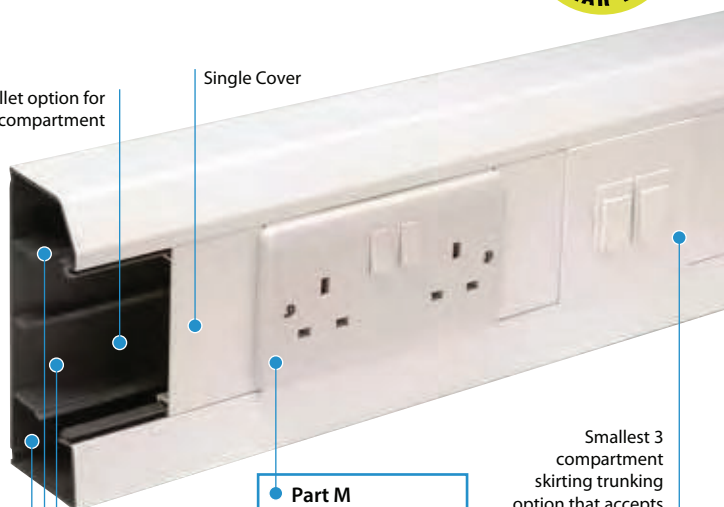
Data information

- Standard bend radius 25mm
- Data fittings available for bend radius up to 50mm
- Adjustable data box 32-40mm
- Screened divider and data boxes

Standard colour
WH
WH: White

Dividing fillet option for centre compartment

Single Cover



Three segregated compartments

Part M

For box assemblies that meet the requirements of Part M (DDA) please refer to page 106.



Smallest 3 compartment skirting trunking option that accepts standard power, voice and data accessories

Basic components



Trunking

(including 2 segregators)

code	pack
EMT30WH	4 x 3m



Main compartment cover

code	pack
ETL1WH	8 x 3m

Fittings



Coupler

code	pack
EC30WH	5



End cap

code	pack
EEC30LHWH (left hand)	5
EEC30RHWH (right hand)	5



Internal bend

code	pack
EIB30WH	5



External bend

code	pack
EXB30WH	5



Flat angle – upward

code	pack
EFA30UWH	1
Fabricated	



Flat angle – downward

code	pack
EFA30DWH	1
Fabricated	

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Technical Information

Fittings



Flat tee – upward

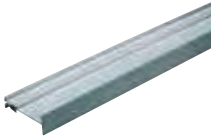
code	pack
EFT30ULWH	1
Fabricated	



Flat tee – downward

code	pack
EFT30DLWH	1
Fabricated	

Components



Dividing fillet

code	pack
EDF30	8 x 3m



Main crossover bridge

code	pack
EMCB1	5



Main cable retainer

code	pack
EMCR1	10

Boxes and plates



*RCD/MCB Housing

code	pack
EAHC1MWH	1



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.



*Up to 4 modules can be accommodated

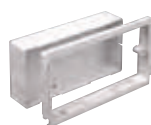
Note: RCDs are not supplied by Marshall-Tufflex



.....DATA.....

1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 40mm	10



.....DATA.....

2 gang adjustable depth box

code	depth	pack
EAB2WH	32 – 40mm	5



.....DATA.....

1 gang accessory plate

code	pack
ESSP1WH	10



.....DATA.....

2 gang accessory plate

code	pack
ESSP2WH	5

EAB1 and EAB2 are fully adjustable to 47mm.
Please see page 311 for more information.

Compact 1 is a small, fully segregated two compartment trunking system with a chamfered top profile. This trunking is suited to fit within areas where physical outside dimensions are important, for example, to negotiate above or below radiators and window sills.

Product information

- 130 x 50mm
- 1 full and 1 half size compartment
- For dado installation
- Can be subdivided

Data information

- Standard bend radius 25mm
- Data fittings available for bend radius up to 50mm
- Compact 1 and 2 small compartment can be screened against EMI with no reduction in cable capacity
- Adjustable data box 32-40mm
- Screened divider and data boxes
- Steel divider available

Standard colour
WH
WH: White

See page 123 for quick reference chart



'Bio option' available to special order

Dividing fillet option for large compartment

Angled cover

Separate access to each compartment

Part M

For box assemblies that meet the requirements of Part M (DDA) please refer to page 106.



Basic components

**Base unit**

code	pack
ETB2WH	4 x 3m

**Main compartment cover**

code	pack
ETL1WH	8 x 3m

**Angled cover**

code	pack
ETAC1WH	8 x 3m

Fittings

**Compact 1 Couplers**

code	description	pack
ECC1WH	2 piece	5
ECHC1WH	1 piece	5

**Compact 1 End caps LH & RH**

code	description	pack
EECC1LHWH	2 piece	5
EECC1RHWH	2 piece	5
EECHC1LHWH	1 piece	5
EECHC1RHWH	1 piece	5

**Compact 1 Internal bend**

code	description	pack
EIBC1WH	2 piece	5
EIBHC1WH	1 piece	5

**Compact 1 External bend**

code	description	pack
EXBC1WH	2 piece	5
EXBHC1WH	1 piece	5

**Compact 1 Internal bend assembly**

code	description	pack
ELIBCD1WH	assemblies	1
EIBCD1WH	covers only	1

**Compact 1 External bend assembly**

code	description	pack
EL0BCD1WH	assemblies	1

**Compact 1 Flat angle upward**

code	description	pack
EFAC1UWH		1

**Compact 1 Flat angle downward**

code	description	pack
EFAC1DWH		1

Compact 1 flat tees

Compact 1 flat tees are handed to the left or to the right side. For the product you require, please order the following:

Left upward = EFTC1ULWH

Left downward = EFTC1DLWH

Right upward = EFTC1URWH

Right downward = EFTC1DRWH

For further advice please call the Technical Team on +44 (0)1424 856688.

Fittings

**Angled mini-trunking adapter**

code	size	pack
EATA2WH	MMT2	5

Allows the transfer of cables from Compact 1 to Marshall-Tufflex Mini-Trunking

**Angled mini-trunking adapter**

code	size	pack
EATA4WH	MMT4	5

Allows the transfer of cables from Compact 1 to Marshall-Tufflex Mini-Trunking

Components

**Dividing fillet**

code	pack
EDF1	8 x 3m

**Steel screening divider**

code	pack
ESF1	1

Note: optional steel screening divider to assist in compliance with BS EN 50174-2

**Steel screening divider bonding strap**

code	pack
ESF2	5

**Bonding strap**

code	pack
ESBS1	5

**Main crossover bridge**

code	pack
EMCB1	5

Provides segregation of services crossing from one compartment to another

**Angled cable retainer**

code	pack
EACR1	10

Provides cable retention in the upper angled or square compartment.

**Main cable retainer**

code	pack
EMCR1	10

The recommended cable retainer for all compartments which use the ETL1WH lid.

Boxes and plates

***RCD/MCB housing**

code	pack
EAHC1MWH	1

*Up to 4 modules can be accommodated

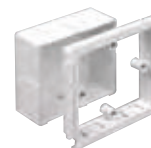
Note: RCDs are not supplied by Marshall-Tufflex

**1 gang accessory box**

code	depth	pack
ESSB1WH	30mm	20

**2 gang accessory box**

code	depth	pack
ESSB2WH	30mm	10

**1 gang adjustable depth box**

code	depth	pack
EAB1WH	32 – 40mm	10

EAB1 is fully adjustable to 47mm. Please see page 311 for more information.

**2 gang adjustable depth box**

code	size	pack
EAB2WH	32 – 40mm	5

EAB2 is fully adjustable to 47mm. Please see page 311 for more information.

**1 gang accessory plate**

code	pack
ESSP1WH	10

**2 gang accessory plate**

code	pack
ESSP2WH	5

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.

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Technical
Information

Compact 2 is a small, fully segregated two compartment trunking system with a square top profile. This trunking is suited to fit within areas where physical outside dimensions are important, for example, to negotiate above or below radiators and window sills.

Product information

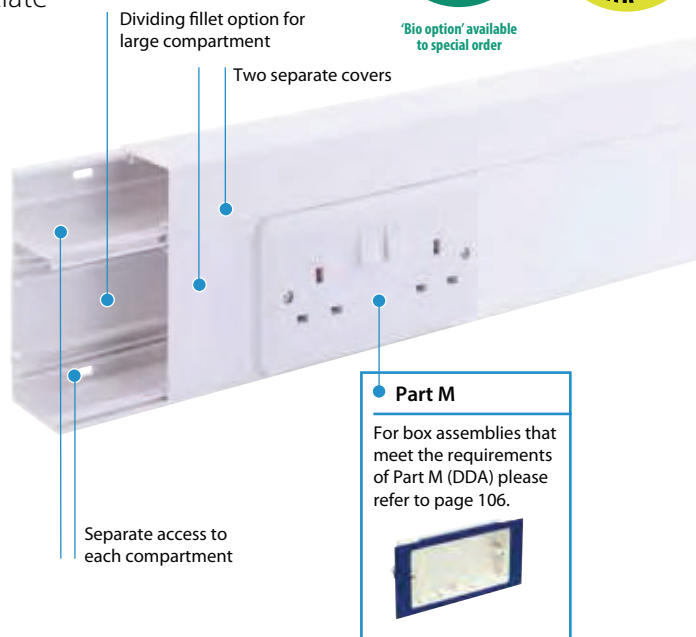
- 130 x 50mm
- 2 full size compartments
- For dado and skirting installation
- Note: where Compact 2 is fitted at skirting level, it is recommended that the larger compartment is installed uppermost.
- Can be subdivided

Data information

- Standard bend radius 25mm
- Data fittings available for bend radius up to 50mm
- Compact 1 and 2 small compartment can be screened against EMI with no reduction in cable capacity
- Adjustable data box 32-40mm
- Screened divider and data boxes
- Steel divider available

Standard colour
WH
WH: White

See
page 123
for quick
reference
chart



Basic components

**Base unit**

code	pack
ETB2WH	4 x 3m

**Main compartment cover**

code	pack
ETL1WH	8 x 3m

**Square cover**

code	pack
ETSC1WH	8 x 3m

Fittings

**Compact 2 Couplers**

code	description	pack
ECC2WH	2 piece	5
ECHC2WH	1 piece	5

**Compact 2 End caps LH & RH**

code	description	pack
EECC2LHWH	2 piece	5
EECC2RHWH	2 piece	5
EECHC2LHWH	1 piece	5
EECHC2RHWH	1 piece	5

**Compact 2 Flat angle - upward**

code	pack
EFAC2UWH	1

**Compact 2 Flat angle - downward**

code	pack
EFAC2DWH	1

**Compact 2 Internal bend**

code	description	pack
EIBC2WH	2 piece	5
EIBHC2WH	1 piece	5

**Compact 2 External bend**

code	description	pack
EXBC2WH	2 piece	5
EXBHC2WH	1 piece	5

**Compact 2 Internal bend assembly and cover only**

code	description	pack
ELIBCD2WH	assemblies	1
EIBC2WH	covers only	1

**Compact 2 External bend**

code	description	pack
EL0BCD2WH	assemblies	1

Compact 2 flat tees

Compact 2 flat tees are handed to the left or to the right side. For the product you require, please order the following:

Left upward = EFTC2ULWH
Left downward = EFTC2DLWH
Right upward = EFTC2URWH
Right downward = EFTC2DRWH

For further advice please call the Technical Team on +44 (0)1424 856688.

Fittings



Square mini-trunking adapter

code	size	pack
------	------	------

ESTA2WH	MMT2	5
---------	------	---

Allows the transfer of cables from Compact 2 to Marshall-Tufflex Mini-Trunking



Square mini-trunking adapter

code	size	pack
------	------	------

ESTA4WH	MMT4	5
---------	------	---

Allows the transfer of cables from Compact 2 to Marshall-Tufflex Mini-Trunking

Components



Dividing fillet

code	pack
------	------

EDF1	8 x 3m
------	--------



Steel screening divider

code	pack
------	------

ESF1	1
------	---

Note: optional steel screening divider to assist in compliance with BS EN 50174-2



Steel screening divider bonding strap

code	pack
------	------

ESF2	5
------	---



Bonding strap

code	pack
------	------

ESBS1	5
-------	---



Main crossover bridge

code	pack
------	------

EMCB1	5
-------	---

Provides segregation of services crossing from one compartment to another



Main cable retainer

code	pack
------	------

EMCR1	10
-------	----

The recommended cable retainer for all compartments which use the ETL1WH lid

Boxes and plates



*RCD/MCB Housing

code	pack
------	------

EAHC1MWH	1
----------	---

*Up to 4 modules can be accommodated

Note: RCDs are not supplied by Marshall-Tufflex



1 gang accessory box

code	depth	pack
------	-------	------

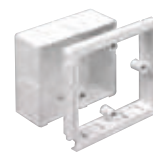
ESSB1WH	30mm	20
---------	------	----



2 gang accessory box

code	depth	pack
------	-------	------

ESSB2WH	30mm	10
---------	------	----



1 gang adjustable depth box

code	depth	pack
------	-------	------

EAB1WH	32 – 40mm	10
--------	-----------	----

EAB1 is fully adjustable to 47mm. Please see page 311 for more information.



2 gang adjustable depth box

code	size	pack
------	------	------

EAB2WH	32 – 40mm	5
--------	-----------	---

EAB2 is fully adjustable to 47mm. Please see page 311 for more information.



1 gang accessory plate

code	pack
------	------

ESSP1WH	10
---------	----



2 gang accessory plate

code	pack
------	------

ESSP2WH	5
---------	---

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.

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Technical Information

Compact 3 is a fully segregated trunking system with two main compartments suited for installations requiring larger cable capacity.

Product information

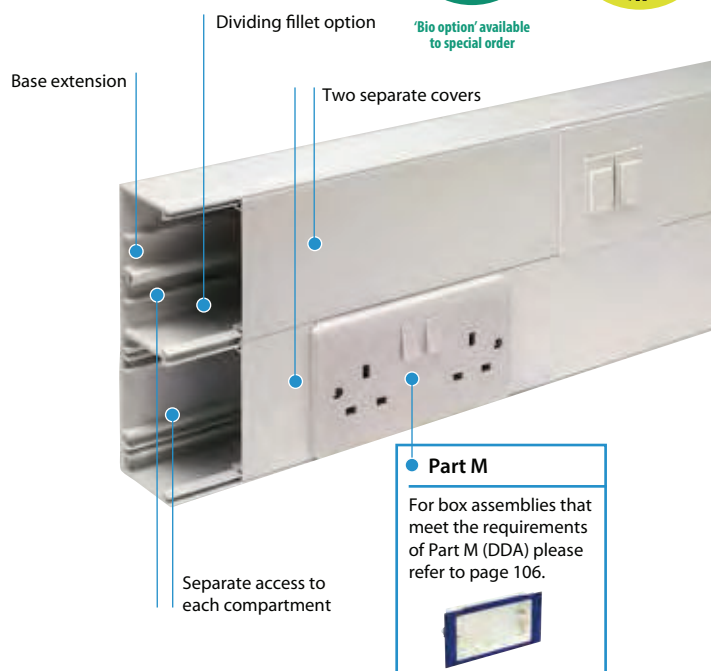
- 181 x 50mm
- 2 full size covers
- For dado and skirting installation
- Can be subdivided

Data information

- Standard bend radius 25mm
- Data fittings available for bend radius up to 50mm
- Adjustable data box 32-40mm
- Screened divider and data boxes
- Steel divider available

Standard colour
WH
WH: White

See page 123 for quick reference chart



Basic components



Base unit

code	pack
ETB2WH	4 x 3m



Main compartment cover

code	pack
ETL1WH	8 x 3m



Base extension

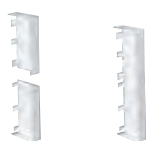
code	pack
EBE1	4 x 3m

Fittings



Compact 3 Coupler

code	description	pack
ECC3WH	2 piece	5
ECHC3WH	1 piece	5



Compact 3 End caps LH & RH

code	description	pack
EECC3LHWH	2 piece	5
EECC3RHWH	2 piece	5
EECHC3LHWH	1 piece	5
EECHC3RHWH	1 piece	5



Compact 3 Flat angle - up/down

code	pack
EFAC3WH	1



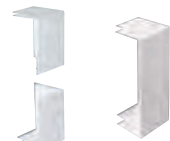
Compact 3 Flat tee - up/down

code	pack
EFTC3WH	1



Compact 3 Internal bend

code	description	pack
EIBC3WH	2 piece	5
EIBHC3WH	1 piece	5



Compact 3 External bend

code	description	pack
EXBC3WH	2 piece	5
EXBHC3WH	1 piece	5



Compact 3 Internal bend assembly and cover only

code	description	pack
ELIBCD3WH	assemblies	1
EIBCD3WH	covers only	1



Compact 3 External bend assembly

code	description	pack
ELOBCD3WH	assemblies	1

Components



Dividing fillet

code	pack
EDF1	8 x 3m



Steel screening divider

code	pack
ESF1	1

Note: optional steel screening divider to assist in compliance with BS EN 50174-2



Steel screening divider bonding strap

code	pack
ESF2	5



Bonding strap

code	pack
ESBS1	5



Main crossover bridge

code	pack
EMCB1	5

Provides segregation of services crossing from one compartment to another



Main cable retainer

code	pack
EMCR1	10

The recommended cable retainer for all compartments which use the ETL1WH lid



*RCD/MCB Housing

code	pack
EAHC1MWH	1

*Up to 4 modules can be accommodated

Note: RCDs are not supplied by Marshall-Tufflex



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10



1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 40mm	10

EAB1 and EAB2 are fully adjustable to 47mm. Please see page 311 for more information.



2 gang adjustable depth box

code	size	pack
EAB2WH	32 – 40mm	5



1 gang accessory plate

code	pack
ESSP1WH	10



2 gang accessory plate

code	pack
ESSP2WH	5

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.

Quick reference chart

Compact trunking

Base unit

Pack 4 x 3m



Trunking		
Compact 1 130 x 50mm	Compact 2 130 x 50mm	Compact 3 181 x 50mm

ETB2WH

ETB2WH

ETB2WH

Base extension

Pack 4 x 3m



-

-

EBE1WH

Main compartment cover

Pack 8 x 3m



ETL1WH

ETL1WH

2 x ETL1WH

Angled cover

Pack 8 x 3m



ETAC1WH

-

-

Square cover

Pack 8 x 3m



-

ETSC1WH

-

Couplers

Pack 5
1 or 2 piece fittings

ECC1WH
or
ECHC1WHECC2WH
or
ECHC2WHECC3WH
or
ECHC3WH

End caps

Pack 5
1 or 2 piece fittings

EECC1LHWH
EECC1RHWH or
EECHC1LHWH
EECHC1RHWHEECC2LHWH
EECC2RHWH or
EECHC2LHWH
EECHC2RHWHEECC3LHWH
EECC3RHWH or
EECHC3LHWH
EECHC3RHWH

Internal bends

Pack 5
1 or 2 piece fittings

EIBC1WH
or
EIBHC1WHEIBC2WH
or
EIBHC2WHEIBC3WH
or
EIBHC3WH

Internal bend assembly

Pack 1

...DATA...



ELIBCD1WH

ELIBCD2WH

ELIBCD3WH

Internal bend – cover only

Pack 1

...DATA...



EIBCD1WH

EIBCD2WH

EIBCD3WH

External bends

Pack 5
1 or 2 piece fittings

EXBC1WH
or
EXBHC1WHEXBC2WH
or
EXBHC2WHEXBC3WH
or
EXBHC3WH

External bend assembly

Pack 1

...DATA...



ELOBCD1WH

ELOBCD2WH

ELOBCD3WH

Flat angles – up or down

Pack 1

EFAC1UWH
EFAC1DWHEFAC2UWH
EFAC2DWH

EFAC3WH

Flat tees – up or down

Pack 1
Left or right handed
Upward or downward

EFTC1ULWH
EFTC1URWH
EFTC1DLWH
EFTC1DRWHEFTC2ULWH
EFTC2URWH
EFTC2DLWH
EFTC2DRWH

EFTC3WH

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**Technical
Information**

Sterling Profile systems 1 to 3 are popular and stylish looking perimeter dado and skirting systems that are easy and cost effective to use. A firm favourite for many years due to its versatility, range of fittings and accessories and suitability for many different cable management installation needs.

Product information

- 167 x 50mm
- 3 segregated compartments
- Outer compartments can be subdivided
- Suitable for dado and skirting application
- Can be fed from larger trunking systems for increased cable distribution
- Boxes available to comply with Part M (DDA)
- Comprehensive range of flush power and data accessories
- Improved design to base unit to give greater cable capacity
- Moulded fittings with Profile 1 and Profile 2

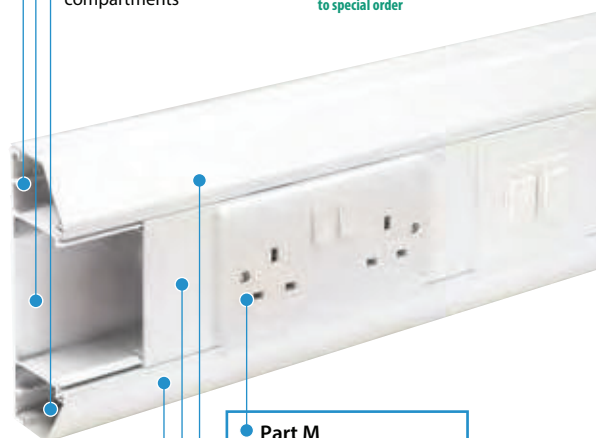
Data information

- Standard bend radius 25mm
- Data fittings available for bend radius up to 50mm
- Compartment can be screened against EMI with no reduction (refer to p103) in cable capacity
- Adjustable data box 32-40mm
- Screened data boxes
- Steel screening divider available



Three segregated compartments

'Bio option' available to special order



Separate cover access to each compartment

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106 of this section.

**Trunking Assemblies**

Sterling Profile 1 is available to order as a trunking assembly using code EP1MWH. Other profiles should be ordered using the relevant base unit and cover codes to make up the assembly.

Standard Colours

WH

CH

WH: White CH: Charcoal

Colour options: Charcoal solid colour option is available as standard item for selected fittings. Please indicate when ordering by replacing the WH colour code suffix with CH for charcoal.

See page 128 for quick reference chart

Trunking profiles

Sterling Profile 1 trunking assembly

code	size	pack
EP1MWH	167 x 50mm	1 x 3m



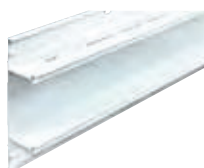
Sterling Profile 2

size
167 x 50mm



Sterling Profile 3

size
167 x 50mm

Basic components

Base unit

code	pack
ETB1M	4 x 3m



Main compartment cover

code	pack
ETL1WH	8 x 3m



Angled cover

code	pack
ETAC1WH	8 x 3m

All above covers are also available from stock in charcoal.



Square cover

code	pack
ETSC1WH	8 x 3m



**Profile 1
Coupler**

code	description	pack
ECP1MWH	1 piece	5

Profile 1 couplers are also available from stock in charcoal.



**Profile 2
Coupler**

code	description	pack
ECP2MWH	1 piece	5

NEW
single piece
moulded
fitting



**Profile 3
Coupler**

code	description	pack
ECP3WH	3 piece	5
ECHP3WH	1 piece	5



**Profile 1
End cap**

code	description	pack
EECP1MWH	1 piece	5

Universal for both LH & RH

Profile 1 end caps are also available from stock in charcoal.



**Profile 2
End cap**

code	description	pack
EECP2MLHWH (left)	1 piece	5
EECP2MRHWH (right)	1 piece	5

NEW
single piece
moulded
fitting



**Profile 3
End cap**

code	description	pack
EECP3WH	3 piece	5
EECHP3WH	1 piece	5

Universal for both LH & RH



**Profile 1
Internal bend**

code	description	pack
EIBP1MWH	1 piece	5

Profile 1 internal bends are also available from stock in charcoal.



**Profile 2
Internal bend**

code	description	pack
EIBP2MWH	1 piece	5

NEW
single piece
moulded
fitting



**Profile 3
Internal bend**

code	description	pack
EIBP3WH	3 piece	5
EIBHP3WH	1 piece	5



**Profile 1
Internal bend cover** ---DATA---

code	pack
EIBD1WH	1



**Profile 2
Internal bend cover** ---DATA---

code	pack
EIBD2WH	1



**Profile 3
Internal bend cover** ---DATA---

code	pack
EIBD3WH	1



**Profile 1
External bend**

code	description	pack
EXBP1MWH	1 piece	5

Profile 1 external bends are also available from stock in charcoal.



**Profile 2
External bend**

code	description	pack
EXBP2MWH	1 piece	5

NEW
single piece
moulded
fitting



**Profile 3
External bend**

code	description	pack
EXBP3WH	3 piece	5
EXBHP3WH	1 piece	5



Profile 1
Internal bend assembly

code	pack
ELIBD1WH	1



Profile 2
Internal bend assembly

code	pack
ELIBD2WH	1



Profile 3
Internal bend assembly

code	pack
ELIBD3WH	1



Profile 1
External bend assembly

code	pack
ELOBD1WH	1



Profile 2
External bend assembly

code	pack
ELOBD2WH	1



Profile 3
External bend assembly

code	pack
ELOBD3WH	1



Profile 1
Flat angle –
up/down cover

code	pack
EFA1MWH	1



Profile 1
Flat angle –
up/down complete

code	pack
EFA1MBWH	1



Profile 2
Flat angle – upward

code	pack
EFA2UWH	1



Profile 2
Flat angle – downward

code	pack
EFA2DWH	1

Profile 1 flat angles are also available from stock in charcoal.



Profile 3
Flat angle – up/down

code	pack
EFA3WH	1



Profile 1
Flat tee cover

code	pack
EFT1MWH	1



Profile 1
Flat tee complete

code	pack
EFT1MBWH	1



Profile 3
Flat tee

code	pack
EFT3WH	1

Profile 1 tee covers are also available from stock in charcoal.

Sterling Profile 2 flat tees

Sterling profile flat tees use an angled cover for the upwards cover. For all other variants please contact our Technical Team on +44 (0)1424 856688.

Fittings



Angled mini trunking adaptor MMT2

code	pack
EATA2WH	5



Angled mini trunking adaptor MMT4

code	pack
EATA4WH	5



Square mini trunking adaptor MMT2

code	pack
ESTA2WH	5



Square mini trunking adaptor MMT4

code	pack
ESTA4WH	5

Components



Main crossover bridge

code	pack
EMCB1	5



Angled cable retainer

code	pack
EACR1	10



Main cable retainer

code	pack
EMCR1	10

Boxes and plates



*RCD/MCB Housing

code	pack
EAHC1MWH	1

*Up to 4 modules can be accommodated **Note:** RCDs are not supplied by Marshall-Tufflex



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20

ESSB1 and ESSB2 are also available from stock in charcoal.



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.



1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 40mm	10



2 gang adjustable depth box

code	size	pack
EAB2WH	32 – 40mm	5

EAB1 and EAB2 are fully adjustable to 47mm. Please see page 311 for more information.



1 gang accessory plate

code	pack
ESSP1WH	10



2 gang accessory plate

code	pack
ESSP2WH	5

Segregated flush back box
280 x 150mm
Steel

code	depth	pack
ESFBB1	35mm	1

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Technical
Information

Quick reference chart

Sterling Profile 1, 2 and 3

Base unit

Pack 4 x 3m



3 compartment

Profile 1

167 x 50mm



Profile 2

167 x 50mm



Profile 3

167 x 50mm



Main compartment cover

Pack 8 x 3m



ETB1M

ETB1M

ETB1M

Angled cover

Pack 8 x 3m



2 x ETAC1WH

ETAC1WH

–

Square cover

Pack 8 x 3m



–

ETSC1WH

2 x ETSC1WH

Couplers

Pack 5

3 piece or 1 piece



ECP1MWH

ECP2MWH

ECP3WH or ECHP3WH

End caps

Pack 5

Left or right handed

1 piece



EECP1MWH

EECP2MRHWH
EECP2MLHWH

EECP3WH or ECHP3WH

Internal bend

Pack 5

3 piece or 1 piece



EIBP1WH or EIBP1MWH

EIBP2MWH

EIBP3WH or EIBHP3WH

Internal bend assemblies

...DATA...

Pack 1



ELIBD1WH

ELIBD2WH

ELIBD3WH

Internal bend covers only

...DATA...

Pack 1



EIBD1WH

EIBD2WH

EIBD3WH

External bends

Pack 5

3 piece or 1 piece



EXBP1MWH

EXBP2MWH

EXBP3WH or EXBHP3WH

External bend assemblies

...DATA...

Pack 1



EL0BD1WH

EL0BD2WH

EL0BD3WH

Flat angles up or down

Pack 1



EFA1MWH or EFA1MBWH

EFA2UWH
EFA2DWH

EFA3WH

Flat tees up or down

Pack 1



EFT1MWH or EFT1MBWH

EFT2UWH †

EFT3WH

Flat angles up or down

...DATA...

Pack 1

gusseted

–

EFA2USBWH
EFA2DSBWH

–

† Sterling Profile 2 flat tees

Sterling Profile flat tees use an angled cover for the upwards cover. For all other variants please contact our Technical Team on +44 (0)1424 856688.

Quick reference chart

Sterling Profile 1
screened

3 compartment

Profile 1 CS13
167 x 50mm

Base unit

Pack 1 x 3m



ETB1MCS13

Main compartment cover

Pack
Unscreened 8 x 3m

ETL1WH

Angled cover

Pack 1 x 3m

2 x
ETAC1CSWH

Screening

Conductive spray (CS) is unique to Marshall-Tufflex and is applied in the factory to provide screening from electromagnetic interference to data and communications cabling within trunking systems. The coating is applied to a range of data boxes, covers, clip-on components and fabricated fittings.



WARNING: A CS coating is not suitable for low voltage circuits.
BS7671:2008. For data/voice use only.

Screened compartments key to coding

CS13 = screening in compartments 1 and 3

1 gang screened accessory box

...DATA...

code	depth	pack
ESSB1SWH*	30mm	20

2 gang screened adjustable accessory box

...DATA...

code	depth	pack
ESSB2SWH*	30mm	10

*Supplied complete with earth terminal

Steel screening divider

code	pack
ESF1	5

Note: optional steel screening divider to assist in compliance with BS EN 50174-2



Steel screening divider bonding strap

code	pack
ESF2	5



Bonding strap

code	pack
ESBS1	5



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Technical
Information

Sterling Curve Profile 1 and 2 are stylish curved perimeter dado and skirting systems that are easy and cost effective to use. A new addition to the popular and proven Sterling trunking system, Sterling Curve is a sleek data compliant medium sized trunking system with three segregated compartments. The adaptable system has 1 or 2 curved data compartments designed to stop clutter, avoid dust traps and to make cleaning easy.



NEW

Product information

- 167 x 50mm
- 3 segregated compartments
- Suitable for dado and skirting application
- Boxes available to comply with Part M (DDA)
- Comprehensive range of flush power and data accessories
- Single piece moulded fittings
- Flat Tees and Flat Angles have integral bend radius control
- Profile 1 is available in charcoal as standard

Data information

- Standard bend radius 25mm
- Data fittings available for bend radius up to 50mm
- Compartment can be screened against EMI with no reduction in cable capacity (refer to p103)
- Adjustable data box 32-40mm
- Screened data boxes
- Steel screening divider available

See page 135 for quick reference chart

Standard Colours

WH

CH

WH: White CH: Charcoal

Colour options: Charcoal solid colour option is available as standard for selected fittings. Please indicate when ordering by replacing the WH colour code suffix with CH for charcoal.

Trunking profiles



Curve Profile 1 trunking assembly

code	size	pack
CEP1MWH	167 x 50mm	1 x 3m



Curve Profile 2

code	size
CEP2MWH	167 x 50mm

Trunking Assemblies

Sterling Curve Profile 1 is available to order as a trunking assembly using code CEP1MWH. Other profiles should be ordered using the relevant base unit and cover codes to make up the assembly.

Basic components



Base unit

code	pack
ETB1M	4 x 3m



Main compartment cover

code	pack
ETL1WH	8 x 3m



Curve cover

code	pack
CETC1WH	8 x 3m

Above covers also available in charcoal



Square cover

code	pack
ETSC1WH	8 x 3m

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Technical Information

**Curve Profile 1****Coupler**

code	pack
CECP1MWH	5

**Curve Profile 2****Coupler**

code	pack
CECP2MWH	5

Profile 1 coupler is also available from stock in charcoal

**Curve Profile 1****End cap**

code	pack
CEEC1MWH	5

**Curve Profile 2****End cap right hand**

code	pack
CEEC2MRHWH	5

**Curve Profile 2****End cap left hand**

code	pack
CEEC2MLHWH	5

Profile 1 end cap is also available from stock in charcoal

**Curve Profile 1****Internal bend**

code	pack
CEIBP1MWH	5

**Curve Profile 2****Internal bend**

code	pack
CEIBP2MWH	5

Profile 1 internal bend is also available from stock in charcoal

**Curve Profile 1****External bend**

code	pack
CEXBP1MWH	5

**Curve Profile 2****External bend**

code	pack
CEXBP2MWH	5

Profile 1 external bend is also available from stock in charcoal

**Curve Profile 1****Flat angle cover**

code	pack
CEFA1MWH	1

Profile 1 flat angle cover is also available from stock in charcoal

**Curve Profile 1****Flat angle complete**

code	pack
CEFA1MBWH	1

Profile 1 flat angle complete is also available from stock in charcoal

**Curve Profile 2****Flat angle up cover**

code	pack
CEFA2UMWH	1

**Curve Profile 2****Flat angle up complete**

code	pack
CEFA2UMBWH	1

Fittings



Curve Profile 1
Flat tee cover

code	pack
CEFT1MWH	1



Curve Profile 1
Flat tee complete

code	pack
CEFT1MBWH	1

Profile 1 flat tee complete is also available from stock in charcoal



Curve Profile 2
Flat tee cover

code	pack
CEFT2MWH	1



Curve Profile 2
Flat tee complete

code	pack
CEFT2MBWH	1

Components



Steel screening divider

code	pack
ESF1	5



Steel screening divider
bonding strap

code	pack
ESF2	5



Bonding strap

code	pack
ESBS1	5



Main crossover bridge

code	pack
EMCB1	5



Angled cable retainer

code	pack
EACR1	10



Main cable retainer

code	pack
EMCR1	10

***RCD/MCB Housing**

code	pack
EAHC1MWH	1

**1 gang accessory box**

code	depth	pack
ESSB1WH	30mm	20

**2 gang accessory box**

code	depth	pack
ESSB2WH	30mm	10

*Up to 4 modules can be accommodated
Note: RCDs are not supplied by Marshall-Tufflex

**1 gang adjustable depth box**

code	depth	pack
EAB1WH	32 – 40mm	10

**2 gang adjustable depth box**

code	size	pack
EAB2WH	32 – 40mm	5

EAB1 and EAB2 are fully adjustable to 47mm.
 Please see page 311 for more information.

**1 gang accessory plate**

code	pack
ESSP1WH	10

**2 gang accessory plate**

code	pack
ESSP2WH	5

**Segregated flush back box
280 x 150mm Steel**

code	depth	pack
ESFBB1	35mm	1

Sterling Curve Bio

Sterling Curve Profile 1 trunking is available as standard with Bio antimicrobial protection within the PVC-U material.

Sterling Curve Bio trunking component chart

Main
compartment
cover

Curve cover

Coupler

End cap

Internal bend

External
bend

Flat angle
complete

Flat tee
complete

Sterling Curve
Profile 1
167 x 50mm

ETL1BIOWH
Pack 8 x 3m

CETC1BIOWH
Pack 8 x 3m

CECP1MBIOWH
Pack 5

CECEP1MBIOWH
Pack 5

CEIBP1MBIOWH
Pack 5

CEXBP1MBIOWH
Pack 5

CEFA1MBBIOWH
Pack 1

CEFT1MBBIOWH
Pack 1

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Technical
Information

Sterling Curve screened component chart

3 compartment

Profile 1 CS13

167 x 50mm



Base unit screened

Pack 1 x 3m



ETB1MCS13

Main compartment cover

Pack
Unscreened 8 x 3m



ETL1WH

Curve cover screened

Pack 8 x 3m



CETC1CSMWH

Screening

Conductive spray (CS) is unique to Marshall-Tufflex and is applied in the factory to provide screening from electromagnetic interference to data and communications cabling within trunking systems. The coating is applied to a range of data boxes, covers, clip-on components and fabricated fittings.



WARNING: A CS coating is not suitable for low voltage circuits.
BS7671:2008. For data/voice use only.

Screened compartments key to coding

CS13 = screening in compartments 1 and 3

1 gang screened accessory box

---DATA---

code	depth	pack
ESSB1SWH*	30mm	20

2 gang screened adjustable accessory box

---DATA---

code	depth	pack
ESSB2SWH*	30mm	10

*Supplied complete with earth terminal

Quick reference chart

Sterling Curve

		2 compartment	
		Profile 1 167 x 50mm	Profile 2 167 x 50mm
			
Base unit			
Pack	4 x 3m	ETB1M	ETB1M
Main compartment cover			
Pack	8 x 3m	ETL1WH	ETL1WH
Curve cover			
Pack	8 x 3m	2 x CETC1WH	CETC1WH
Square cover			
Pack	8 x 3m	–	ETSC1WH
Couplers			
Pack	5	CECP1MWH	CECP2MWH
End caps			
Pack	5	CEECP1MWH	CEECP2MRHWH CEECP2MLHWH
Internal bend			
Pack	5	CEIBP1MWH	CEIBP2MWH
External bends			
Pack	5	CEXBP1MWH	CEXBP2MWH
Flat angle cover			
Pack	1	CEFA1MWH	–
Flat angle complete			
Pack	1	CEFA1MBWH	–
Flat angle up cover			
Pack	1	–	CEFA2UMWH
Flat angle up complete			
Pack	1	–	CEFA2UMBWH
Flat tee cover			
Pack	1	CEFT1MWH	CEFT2MWH
Flat tee complete			
Pack	1	CEFT1MBWH	CEFT2MBWH

Sterling Profile systems 4 to 13 are perimeter dado and skirting trunking systems that provide increased cable capacity with large multi compartments that can be subdivided to carry a greater range of services.

Product information

- Profile 4 and 5 = 218 x 50mm
- Profile 11, 12 and 13 = 255 x 50mm
- Profile 6 = 269 x 50mm
- 3 and 4 large, segregated compartments
- Can be subdivided
- Suitable for dado and skirting application
- Can be fed from larger trunking systems for increased cable distribution
- Boxes available to comply with Part M (DDA)
- Comprehensive range of flush power and data accessories
- Improved design to base unit to give greater cable capacity and with side wall knockouts

Data information

- Standard bend radius 25mm
- Data fittings available for bend radius up to 50mm
- Adjustable data box 32-40mm
- Screened data boxes
- Steel screening divider available

Standard colour

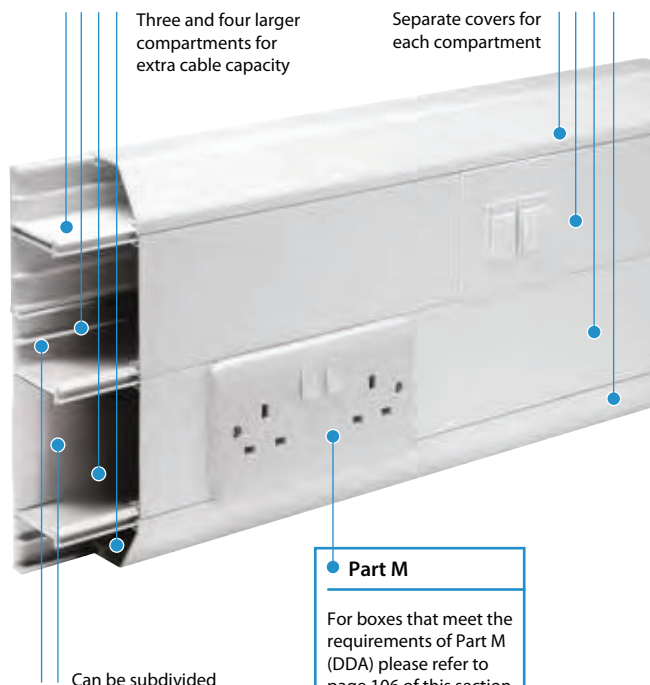
WH

WH: White

See
page 142
for quick
reference
chart



'Bio option' available
to special order



Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106 of this section.



Trunking profiles



Sterling Profile 4

size
218 x 50mm



Sterling Profile 5

size
218 x 50mm



Sterling Profile 6

size
269 x 50mm



Sterling Profile 11

size
255 x 50mm



Sterling Profile 12

size
255 x 50mm



Sterling Profile 13

size
255 x 50mm

Basic components



Base unit

code	pack
ETB1M	4 x 3m



Base extension

code	pack
EBE1WH	4 x 3m



Extendable base

code	pack
EEB1	4 x 3m

Basic components

**Main compartment cover**

code	pack
ETL1WH	8 x 3m

**Angled cover**

code	pack
ETAC1WH	8 x 3m

**Square cover**

code	pack
ETSC1WH	8 x 3m

Fittings

**Profile 4
Coupler**

code	pack
ECP4WH	5

**Profile 5
Coupler**

code	pack
ECP5WH	5

**Profile 6
Coupler**

code	pack
ECP6WH	5

**Profile 11
Coupler**

code	pack
*ECP1WH plus *ELC1WH	5

**Profile 12
Coupler**

code	pack
*ECP2WH plus *ELC1WH	5

**Profile 13
Coupler**

code	pack
*ECP3WH plus *ELC1WH	5

**Profile 4
End cap**

code	pack
EECP4LHWH	5
EECP4RHWH	5

**Profile 5
End cap**

code	pack
EECP5LHWH	5
EECP5RHWH	5

**Profile 6
End cap**

code	pack
EECP6WH	5
Universal for both LH & RH	

**Profile 11
End cap**

code	pack
*EECP1WH plus *ELEC3WH	5
Universal for both LH & RH	

**Profile 12
End cap**

code	pack
*EECP2LHWH plus *ELEC3WH	5
*EECP2RHWH plus *ELEC3WH	5

**Profile 13
End cap**

code	pack
*EECP3WH plus *ELEC3WH	5
Universal for both LH & RH	

LH = Left hand
RH = Right hand

***4 Compartment fittings**

When ordering couplers, end caps or bends for 4-compartment systems, you must request both component parts i.e. Sterling Profile Coupler = ECP1WH PLUS ELC1WH.

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**Technical
Information**



Profile 4
Internal bend

code	pack
EIBP4WH	5



Profile 5
Internal bend

code	pack
EIBP5WH	5



Profile 6
Internal bend

code	pack
EIBP6WH	5



Profile 11
Internal bend

code	pack
*EIBP1WH plus *ELIB1WH	5



Profile 12
Internal bend

code	pack
*EIBP2WH plus *ELIB1WH	5



Profile 13
Internal bend

code	pack
*EIBP3WH plus *ELIB1WH	5

*4 Compartment fittings

When ordering couplers, end caps or bends for 4-compartment systems, you must request both component parts i.e. Sterling Profile Coupler = ECP1WH PLUS ELC1WH.



Profile 4
Internal bend cover

code	pack
EIBD4WH	1



Profile 5
Internal bend cover

code	pack
EIBD5WH	1



Profile 6
Internal bend cover

code	pack
EIBD6WH	1



Profile 11
Internal bend cover

code	pack
*ELIBD1WH plus *EIBD10WH	1



Profile 12
Internal bend cover

code	pack
*ELIBD2WH plus *EIBD10WH	1



Profile 13
Internal bend cover

code	pack
*ELIBD3WH plus *EIBD10WH	1



Profile 4
External bend

code	pack
EXBP4WH	5



Profile 5
External bend

code	pack
EXBP5WH	5



Profile 6
External bend

code	pack
EXBP6WH	5



Profile 11
External bend

code	pack
*EXBP1WH plus *ELOB1WH	5



Profile 12
External bend

code	pack
*EXBP2WH plus *ELOB1WH	5



Profile 13
External bend

code	pack
*EXBP3WH plus *ELOB1WH	5



Profile 4
Internal bend assemblies
code pack
ELIBD4WH 1



Profile 5
Internal bend assemblies
code pack
ELIBD5WH 1



Profile 6
Internal bend assemblies
code pack
ELIBD6WH 1



Profile 11
Internal bend assemblies
code pack
*ELIBD1WH plus *ELIBD10WH 1



Profile 12
Internal bend assemblies
code pack
*ELIBD2WH plus *ELIBD10WH 1



Profile 13
Internal bend assemblies
code pack
*ELIBD3WH plus *ELIBD10WH 1

*4 Compartment fittings

When ordering couplers, end caps or bends for 4-compartment systems, you must request both component parts i.e. Sterling Profile Coupler = ECP1WH PLUS ELC1WH.



Profile 4
External bend assemblies
code pack
ELOBD4WH 1



Profile 5
External bend assemblies
code pack
ELOBD5WH 1



Profile 6
External bend assemblies
code pack
ELOBD6WH 1



Profile 11
External bend assemblies
code pack
*ELOBD1WH plus *ELOBD10WH 1



Profile 12
External bend assemblies
code pack
*ELOBD2WH plus *ELOBD10WH 1



Profile 13
External bend assemblies
code pack
*ELOBD3WH plus *ELOBD10WH 1



Profile 4
Flat angle – up

code	pack
EFA4UWH	1



Profile 4
Flat angle – down

code	pack
EFA4DWH	1



Profile 5
Flat angle – up

code	pack
EFA5UWH	1



Profile 5
Flat angle – down

code	pack
EFA5DWH	1



Profile 6
Flat angle – up/down

code	pack
EFA6WH	1



Profile 11
Flat angle – up/down

code	pack
EFA11WH	1



Profile 12
Flat angle – up

code	pack
EFA12UWH	1



Profile 12
Flat angle – down

code	pack
EFA12DWH	1



Profile 13
Flat angle – up/down

code	pack
EFA13WH	1



Profile 6
Flat tee – up/down

code	pack
EFT6WH	1



Profile 11
Flat tee – up/down

code	pack
EFT11WH	1



Profile 13
Flat tee – up/down

code	pack
EFT13WH	1

Sterling Profiles 4, 5 and 12 flat tees

Flat tees for Sterling Profiles 4, 5 and 12 are not evenly handed and Marshall-Tufflex recommends that ordering of flat tees for these profiles is done with the advice of the Technical Team on +44 (0)1424 856688.



Angled mini trunking
adaptor MMT2

code	pack
EATA2WH	5



Angled mini trunking
adaptor MMT4

code	pack
EATA4WH	5



Square mini trunking
adaptor MMT2

code	pack
ESTA2WH	5



Square mini trunking
adaptor MMT4

code	pack
ESTA4WH	5

Components



Dividing fillet

code	pack
EDF1	8 x 3m



Dividing tray

code	pack
EDF2	8 x 3m



Steel screening divider

code	pack
ESF1	5

Note: optional steel screening divider to assist in compliance with BS EN 50174-2



Steel screening divider bonding strap

code	pack
ESF2	5



Bonding strap

code	pack
ESBS1	5



Main crossover bridge

code	pack
EMCB1	5



Angled cable retainer

code	pack
EACR1	10



Main cable retainer

code	pack
EMCR1	10

Boxes and plates



*RCD/MCB Housing

code	pack
EAHC1MWH	1

*Up to 4 modules can be accommodated
Note: RCDs are not supplied by Marshall-Tufflex



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.



1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 40mm	10



2 gang adjustable depth box

code	size	pack
EAB2WH	32 – 40mm	5



1 gang accessory plate

code	pack
ESSP1WH	10



2 gang accessory plate

code	pack
ESSP2WH	5

EAB1 and EAB2 are fully adjustable to 47mm.
 Please see page 311 for more information.

Quick reference chart

Sterling Profile 4 to 13

Base unit

Pack 4 x 3m



Base extension

Pack 4 x 3m



Extendable base

Pack 4 x 3m



Main compartment cover

Pack 8 x 3m



Angled cover

Pack 8 x 3m



Square cover

Pack 8 x 3m



Couplers

Pack 5



End caps

Pack 5

Left or right handed



Internal bend

Pack 5



Internal bend assemblies

Pack 1



Internal bend covers only

Pack 1



External bends

Pack 5



External bend assemblies

Pack 1



Flat angles up or down

Pack 1



Flat tees up or down

Pack 1



3 compartment			4 compartment		
Profile 4 218 x 50mm	Profile 5 218 x 50mm	Profile 6 269 x 50mm	Profile 11 255 x 50mm	Profile 12 255 x 50mm	Profile 13 255 x 50mm
ETB1M	ETB1M	ETB1M	ETB1M	ETB1M	ETB1M
EBE1WH	EBE1WH	2 x EBE1WH	–	–	–
–	–	–	EEB1	EEB1	EEB1
2 x ETL1WH	2 x ETL1WH	3 x ETL1WH	2 x ETL1WH	2 x ETL1WH	2 x ETL1WH
ETAC1WH	–	–	2 x ETAC1WH	ETAC1WH	–
–	ETSC1WH	–	–	ETSC1WH	2 x ETSC1WH
ECP4WH	ECP5WH	ECP6WH	ECP1WH+ ELC1WH	ECP2WH+ ELC1WH	ECP3WH+ ELC1WH
EECP4LHWH EECP4RHWH	EECP5LHWH EECP5RHWH	EECP6WH	EECP1WH+ ELEC3WH	EECP2LHWH+ ELEC3WH or EECP2RHWH+ ELEC3WH	EECP3WH+ ELEC3WH
EIBP4WH	EIBP5WH	EIBP6WH	EIBP1WH+ ELIB1WH	EIBP2WH+ ELIB1WH	EIBP3WH+ ELIB1WH
ELIBD4WH	ELIBD5WH	ELIBD6WH	ELIBD1WH+ ELIBD10WH	ELIBD2WH+ ELIBD10WH	ELIBD3WH+ ELIBD10WH
EIBD4WH	EIBD5WH	EIBD6WH	EIBD1WH+ EIBD10WH	EIBD2WH+ EIBD10WH	EIBD3WH+ EIBD10WH
EXBP4WH	EXBP5WH	EXBP6WH	EXBP1WH+ ELOB1WH	EXBP2WH+ ELOB1WH	EXBP3WH+ ELOB1WH
ELOBD4WH	ELOBD5WH	ELOBD6WH	ELOBD1WH+ ELOBD10WH	ELOBD2WH+ ELOBD10WH	ELOBD3WH+ ELOBD10WH
EFA4UWH EFA4DWH	EFA5UWH EFA5DWH	EFA6WH	EFA11WH	EFA12UWH EFA12DWH	EFA13WH
†	†	EFT6WH	EFT11WH	†	EFT13WH

† Flat tees

For more information on the specification and screening of these Flat Tees, we would advise you to contact our Technical Team on +44 (0)1424 856688.

XL Trunking sizes 201 to 203 comprise a range of deep, large capacity 3 compartment, segregated containment systems. These systems can accommodate integral lighting units.

Product information

- 220 x 65mm
- 1 full and 2 half size compartments
- XL 201 for dado installation only
- 3 deep segregated compartments
- Can be subdivided
- Suitable for dado and skirting application
- Can be fed from larger trunking systems for increased cable distribution
- Boxes available to comply with Part M (DDA)
- Comprehensive range of flush power and data accessories

Data information

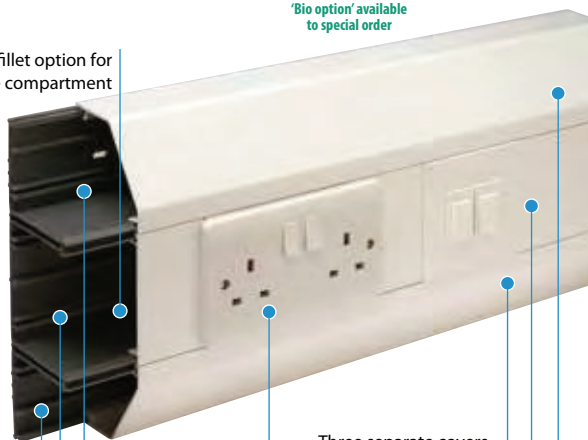
- Can accommodate Cat 6 data cables*
- Adjustable data box 32-47mm
- Screened data boxes
- Steel screening divider available

See
page 146
for quick
reference
chart



'Bio option' available
to special order

Dividing fillet option for
centre compartment



Three separate covers

Standard colour
WH
WH: White

Colour options: Optional colours and finishes are available but these may be subject to minimum quantity orders and longer lead times. For more information contact the Technical Team on +44 (0)1424 856688.

Three deep
compartments for
extra cable capacity

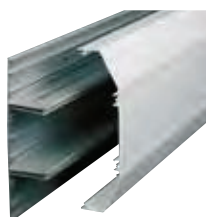
Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106 of this section.

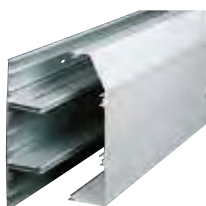
***Data fittings**

For Cat 6 and 6a fittings please contact the Technical Team on +44 (0)1424 856688.

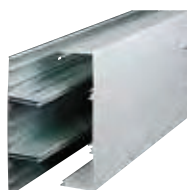
Trunking profiles

**XL 201**

size
220 x 65mm

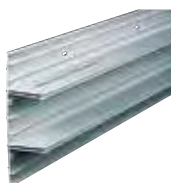
**XL 202**

size
220 x 65mm

**XL 203**

size
220 x 65mm

Basic components

**Base unit**

code	pack
ELTB200	4 x 3m

**Main compartment cover**

code	pack
ETL1WH	8 x 3m

**Angled cover**

code	pack
ELAC200WH	8 x 3m

**Square cover**

code	pack
ELSC200WH	8 x 3m

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Technical
Information



**XL 201
Coupler**

code	pack
EC201WH	5



**XL 202
Coupler**

code	pack
EC202WH	5



**XL 203
Coupler**

code	pack
EC203WH	5



**XL 201
End cap**

code	pack
EEC201WH	5
Universal for both LH & RH	



**XL 202
End cap**

code	pack
EEC202LHWH (Left hand)	5
EEC202RHWH (Right hand)	5



**XL 203
End cap**

code	pack
EEC203WH	5
Universal for both LH & RH	



**XL 201
Internal bend**

code	pack
EIB201WH	5



**XL 202
Internal bend**

code	pack
EIB202WH	5



**XL 203
Internal bend**

code	pack
EIB203WH	5



**XL 201
External bend**

code	pack
EXB201WH	5



**XL 202
External bend**

code	pack
EXB202WH	5



**XL 203
External bend**

code	pack
EXB203WH	5



**XL 201
Flat angle – up/down**

code	pack
EFA201WH	1



**XL 202
Flat angle – upward**

code	pack
EFA202UWH	1



**XL 202
Flat angle – downward**

code	pack
EFA202DWH	1



**XL 203
Flat angle – up/down**

code	pack
EFA203WH	1

Use with ETAC1WH cover only to avoid reduction of internal capacity

Fittings



XL 201

Flat tee – up/down

code	pack
EFT201WH	1



XL 203

Flat tee – up/down

code	pack
EFT203WH	1

Note: For information on XL trunking flat tees see opposite page

Components



Dividing fillet

code	pack
ELDF200	8 x 3m



Steel screening divider

code	pack
ESF200	1

Note: optional steel screening divider to assist in compliance with BS EN 50174-2



Steel screening divider bonding strap

code	pack
ESF2	5



Bonding strap

code	pack
ESBS1	5

Boxes and plates



*RCD/MCB Housing

code	pack
EAHC1MWH	1

*Up to 4 modules can be accommodated

Note: RCDs are not supplied by Marshall-Tufflex



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.



1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 47mm	10



2 gang adjustable depth box

code	size	pack
EAB2WH	32 – 47mm	5



1 gang accessory plate

code	pack
ESSP1WH	10



2 gang accessory plate

code	pack
ESSP2WH	5

EAB1 and EAB2 are fully adjustable to 47mm. Please see page 311 for more information.

Quick reference chart

XL Trunking 201 to 203

		3 Compartment		
		XL 201 220 x 65mm	XL 202 220 x 65mm	XL 203 220 x 65mm
				
Base unit				
Pack	4 x 3m	ELTB200	ELTB200	ELTB200
Main compartment cover				
Pack	8 x 3m	ETL1WH	ETL1WH	ETL1WH
Angled cover				
Pack	8 x 3m	2 x ELAC200WH	ELAC200WH	–
Square cover				
Pack	8 x 3m	–	ELSC200WH	2 x ELSC200WH
Couplers				
Pack	5	EC201WH	EC202WH	EC203WH
End caps				
Pack	5	EEC201WH	EEC202LHWH EEC202RHWH	EEC203WH
Internal bends				
Pack	5	EIB201WH	EIB202WH	EIB203WH
External bends				
Pack	5	EXB201WH	EXB202WH	EXB203WH
Flat angles				
Pack	1	EFA201WH	EFA202UWH EFA202DWH	EFA203WH
Flat tees				
Pack	1	EFT 201WH	†	EFT203WH
† please refer to Flat Tee information				

† XL 202 trunking flat tees

Where profiles have one angled cover and one square cover, as with XL 202, it is possible to create a tee by changing the top or bottom cover so that covers to match the profile of the trunking. For example:

- Upward tee – select XL 201 tee remove the angled bottom cover and replace with square cover.
- Downward tee – select XL 203 tee remove the square top cover and replace with angled cover.

XL Trunking sizes 211 to 213 comprises a range of deep, large capacity, 4-compartment, segregated containment systems with facilities for adding further full-size segregated compartments. This system can accommodate integral lighting units.

Product information

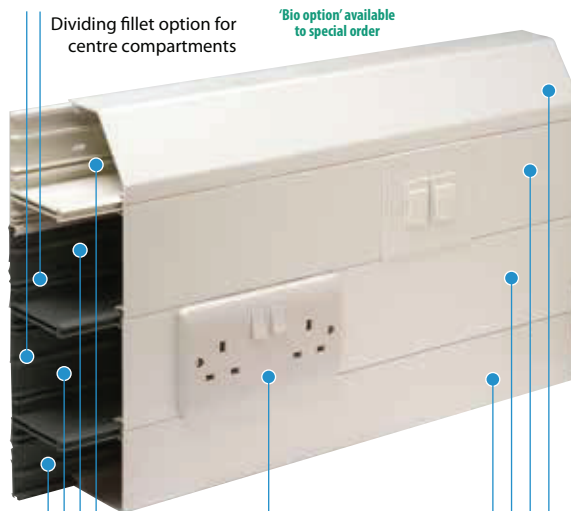
- 308 x 65mm
- 2 full and 2 half size compartments
- 4 deep segregated compartments
- Can be subdivided
- Suitable for dado and skirting application
- Can be fed from larger trunking systems for increased cable distribution
- Boxes available to comply with Part M (DDA)
- Comprehensive range of flush power and data accessories

Data information

- Can accommodate Cat 6 data cables*
- Adjustable data box 32-47mm
- Screened data boxes
- Steel screening divider available

See
page 150
for quick
reference
chart

Standard colour
WH
WH: White



Dividing fillet option for centre compartments

'Bio option' available to special order

Four separate covers

Four deep compartments for extra cable capacity

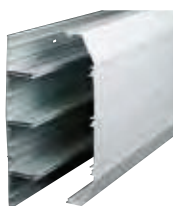
Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106 of this section.

***Data fittings**

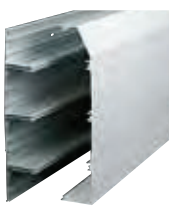
For Cat 6 and 6a fittings please contact the Technical Team on +44 (0) 1424 856688.

Trunking profiles



XL 211

size
308 x 65mm



XL 212

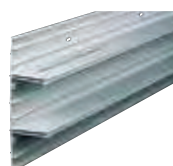
size
308 x 65mm



XL 213

size
308 x 65mm

Basic components



Base unit

code	pack
ELTB200	4 x 3m



Extendable base

code	pack
ELEB200	4 x 3m



Main compartment cover

code	pack
ETL1WH	8 x 3m



Angled cover

code	pack
ELAC200WH	8 x 3m



Square cover

code	pack
ELSC200WH	8 x 3m

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Technical
Information



XL 211 – Coupler

code	pack
EC201WH plus ELLCC200WH	5



XL 212 – Coupler

code	pack
EC202WH plus ELLCC200WH	5



XL 213 – Coupler

code	pack
EC203WH plus ELLCC200WH	5

4-compartment fittings

When ordering couplers, end caps or bends for 4-compartment systems, you must request both component parts i.e. XL211 Coupler = EC201WH PLUS ELLCC200WH.



XL 211 – End cap

code	pack
EEC201WH plus ELLEC200WH	5
Universal for both LH & RH	



XL 212 – End cap

code	pack
EEC202LHWH (Left hand)	5
EEC202RHWH (Right hand)	5
plus ELLEC200WH	



XL 213 – End cap

code	pack
EEC203WH plus ELLEC200WH	5
Universal for both LH & RH	



XL 211 – Internal bend

code	pack
EIB201WH plus ELLIB200WH	5



XL 212 – Internal bend

code	pack
EIB202WH plus ELLIB200WH	5



XL 213 – Internal bend

code	pack
EIB203WH plus ELLIB200WH	5



XL 211 – External bend

code	pack
EXB201WH plus ESLEB200WH	5



XL 212 – External bend

code	pack
EXB202WH plus ESLEB200WH	5



XL 213 – External bend

code	pack
EXB203WH plus ESLEB200WH	5



XL 211 Flat angle – up/down

code	pack
EFA211WH	1



XL 212 Flat angle – upward

code	pack
EFA212UWH	1



XL 212 Flat angle – downward

code	pack
EFA212DWH	1



XL 213 Flat angle – up/down

code	pack
EFA213WH	1



Flat tee XL 211 – up/down

code	pack
EFT211WH	1



Flat tee XL 213 – up/down

code	pack
EFT213WH	1

† XL 212 trunking flat tees

Where profiles have one angled cover and one square cover, as with XL 212, it is possible to create a tee by changing the top or bottom cover to match the profile of the trunking.

For example:

- Upward tee – select XL 211 tee remove the angled bottom cover and replace with square cover.
- Downward tee – select XL 213 tee remove the square top cover and replace with angled cover.

Fittings



Dividing fillet

code	pack
ELDF200	8 x 3m



Steel screening divider

code	depth	pack
ESF200		1

Note: optional steel screening divider to assist in compliance with BS EN 50174-2



Steel screening divider bonding strap

code	depth	pack
ESF2		5



Bonding strap

code	pack
ESBS1	5

Boxes and plates



*RCD/MCB Housing

code	pack
EAHC1MWH	1

*Up to 4 modules can be accommodated

Note: RCDs are not supplied by Marshall-Tufflex



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.



1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 47mm	10



2 gang adjustable depth box

code	depth	pack
EAB2WH	32 – 47mm	5



1 gang accessory plate

code	pack
ESSP1WH	10



2 gang accessory plate

code	pack
ESSP2WH	5

EAB1 and EAB2 are fully adjustable to 47mm. Please see page 311 for more information.

Quick reference chart

XL 211 to 213

Base unit

Pack 4 x 3m



Extendable base

Pack 4 x 3m



Main compartment cover

Pack 8 x 3m



Angled cover

Pack 8 x 3m



Square cover

Pack 8 x 3m



Couplers

Pack 5



End caps

Pack 5

left or right hand



Internal bends

Pack 5



External bends

Pack 5



Flat angles

Pack 1

upward or downward



Flat tees

Pack 1

† Please refer to Flat Angle and Flat Tee information



4 Compartment

XL 211

308 x 65mm



XL 212

308 x 65mm



XL 213

308 x 65mm



ELTB200

ELTB200

ELTB200

ELEB200

ELEB200

ELEB200

2 x ETL1WH

2 x ETL1WH

2 x ETL1WH

2 x ELAC200WH

ELAC200WH

–

–

ELSC200WH

2 x ELSC200WH

EC201WH &
ELLCC200WH

EC202WH &
ELLCC200WH

EC203WH &
ELLCC200WH

EEC201WH &
ELLECC200WH

EEC202LHWH &
ELLECC200WH
EEC202RHWH &
ELLECC200WH

EEC203WH &
ELLECC200WH

EIB201WH &
ELLIB200WH

EIB202WH &
ELLIB200WH

EIB203WH &
ELLIB200WH

EXB201WH &
ESLEB200WH

EXB202WH &
ESLEB200WH

EXB203WH &
ESLEB200WH

EFA211WH

EFA212UWH
EFA212DWH

EFA213WH

EFT211WH

†

EFT213WH

Larger systems

Additional 88mm compartments can be added for larger capacity installations. For further information about larger systems please call our Technical Team on +44 (0)1424 856688.

4 Compartment fittings

When ordering couplers, end caps or bends for 4-compartment systems, you must request both component parts i.e. XL 211 Coupler = EC201WH PLUS ELLCC200WH.

† XL 212 trunking flat tees

Where profiles have one angled cover and one square cover, as with XL 212, it is possible to create a tee by changing the top or bottom cover to match the profile of the trunking.

For example:

- Upward tee – select XL 211 tee remove the angled bottom cover and replace with square cover.
- Downward tee – select XL 213 tee remove the square top cover and replace with angled cover.

Twin165 trunking is a mid-size, two-compartment system, designed as a compact variation of Twin Plus. Twin165 offers high capacity for Cat 6 and Cat 6a data cabling for specification in commercial, industrial and educational environments.

Product information

- 160 x 65mm
- 2 compartment trunking with 60/40 split
- Separate cover access to each compartment
- Suitable for dado application
- Adjustable bends allow between 85° and 95° to accommodate building tolerances

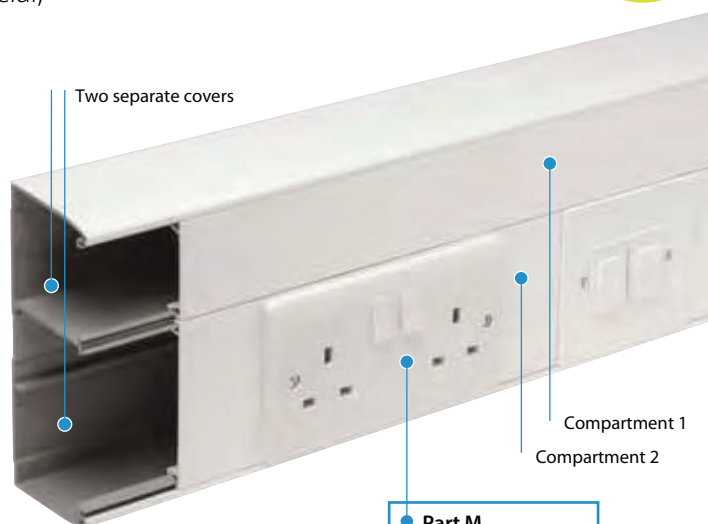
Data information

- Standard bend radius 25mm
- Data fittings available for bend radius up to 50mm
- Adjustable data box 32-47mm
- Steel screening divider

Standard colour
WH
WH: White



...DATA...



Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106 of this section.



Basic components



Base Unit

code	depth	pack
AY1120WH	65mm	4 x 3m



Cover small (Comp 1)

code	depth	pack
AY1130WH	65mm	8 x 3m



Cover large (Comp 2)

code	depth	pack
ETL1WH	65mm	8 x 3m

Twin165 fittings

Compartment 1 is the smaller compartment.

Compartment 2 is the larger compartment.

When ordering end caps, flat angles and tees, please take care to ascertain which compartment is to be installed uppermost to ensure you receive the correct fittings.

Fittings



Coupler

code	depth	pack
AY1210WH	65mm	1



End cap LH (Comp 1 top) End cap RH (Comp 2 top)

code	depth	pack
AY1220WH	65mm	1



End cap RH (Comp 1 top) End cap LH (Comp 2 top)

code	depth	pack
AY1230WH	65mm	1



Internal bend adjustable

code	depth	pack
AY1240WH	65mm	1



External bend adjustable

code	depth	pack
AY1250WH	65mm	1

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Technical Information

Fittings



Flat angle up (comp 1 top)
Flat angle down (comp 2 top)

code	depth	pack
AY1310WH	65mm	1



Flat angle down (comp 1 top)
Flat angle up (comp 2 top)

code	depth	pack
AY1320WH	65mm	1



Flat tee up (comp 1 top)
Flat tee down (comp 2 top)

code	depth	pack
AY1330WH	65mm	1



Flat tee down (comp 1 top)
Flat tee up (comp 2 top)

code	depth	pack
AY1350WH	65mm	1

Components



Steel screening divider

code	pack
ESF200	1

Note: optional steel screening divider to assist in compliance with BS EN 50174-2



Steel screening divider bonding strap

code	pack
ESF2	5



Bonding strap

code	pack
ESBS1	5

Boxes and plates



*RCD/MCB Housing

code	pack
EAHC1MWH	1

*Up to 4 modules can be accommodated

Note: RCDs are not supplied by Marshall-Tufflex



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10



1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 47mm	10

EAB1 is fully adjustable to 47mm. Please see page 311 for more information.



2 gang adjustable depth box

code	depth	pack
EAB2WH	32 – 47mm	5

EAB2 is fully adjustable to 47mm. Please see page 311 for more information.



1 gang accessory plate

code	pack
ESSP1WH	10



2 gang accessory plate

code	pack
ESSP2WH	5

Segregated flush back box
280 x 150mm
Steel

code	depth	pack
ESFBB1	35mm	1

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.



Twin Plus is a large, segregated, two-compartment skirting and dado trunking system that provides high capacity cable containment for most commercial environments.

Product information

- 210 x 57mm
- 2 large segregated compartments
- Can be subdivided
- Separate cover access to each compartment
- Suitable for skirting and dado application

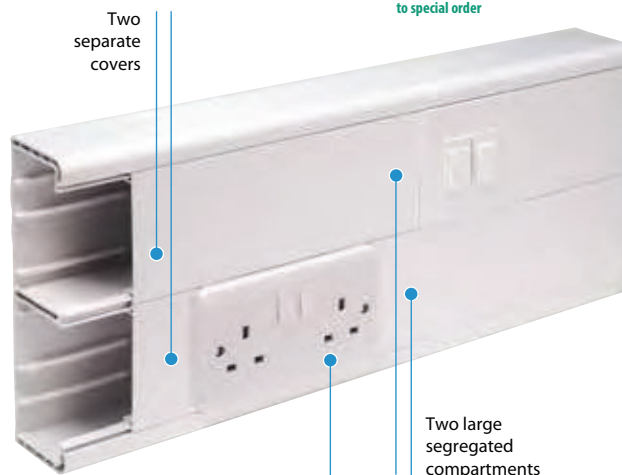
Data information

- 50mm bend radius fittings
- Adjustable data box 32-47mm
- Screened divider and data boxes

Standard colour
WH
WH: White



'Bio option' available to special order



Two separate covers

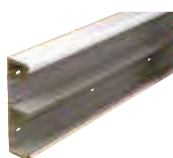
Two large segregated compartments

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106 of this section.



Basic components

**Base unit**

code	pack
EMT60WH	2 x 3m

Cover

code	pack
ETL1WH	8 x 3m

Fittings

**Coupler**

code	pack
EC60WH	1

**End cap**

code	pack
EEC60WH	1



For additional retention use end cap retaining screws G1310 (Pack 40)



Note: 135° versions are also available. For more information call the Technical Team on +44 (0)1424 856688

**Internal bend assembly**

code	pack
EIB60WH	1

**External bend assembly**

code	pack
ESXB60WH	1

Capacity reduced by 50%

**External bend assembly**

code	pack
EXB60WH	1

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Technical Information

Fittings



Internal bend cover

code	pack
EIBC60WH	1



External bend cover

code	pack
ESXBC60WH	1



Flat angle assembly

code	pack
EFA60WH	1



Flat tee assembly

code	pack
EFT60WH	1



Dividing fillet – PVC-U

code	pack
LDF1	8 x 3m



Steel screening divider

code	pack
ESF60	1

Note: optional steel screening divider to assist in compliance with BS EN 50174-2



Steel screening divider bonding strap

code	pack
ESF2	5



Bonding strap

code	pack
ESBS1	5

Components



*RCD/MCD housing

code	pack
EAHC1MWH	1

*Up to 4 modules can be accommodated

Note: RCDs are not supplied by Marshall-Tufflex



1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20



2 gang accessory box

code	depth	pack
ESSB2WH	30mm	10

Part M

For boxes that meet the requirements of Part M (DDA) please refer to page 106.



Boxes and plates



1 gang adjustable depth box

code	depth	pack
EAB1WH	32 – 47mm	10



2 gang adjustable depth box

code	depth	pack
EAB2WH	32 – 47mm	5



1 gang accessory plate

code	pack
ESSP1WH	10



2 gang accessory plate

code	pack
ESSP2WH	5

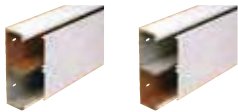
EAB1 and EAB2 are fully adjustable to 47mm. Please see page 311 for more information.

Twin Plus
screened
component chart

2 compartment

Twin Plus screening in compartment 1
210 x 57mm

Twin Plus screening in compartment 2
210 x 57mm



Base unit

Cover - screened	
pack	1 x 3m
Cover - unscreened	
pack	8 x 3m

EMT60CS1WH	EMT60CS1WH
ETL1CSWH	ETL1CSWH
ETL1WH	ETL1WH

Note:

Twin Plus can be installed with either compartment to the top.

Screening

Conductive spray (CS) is unique to Marshall-Tufflex and is applied in the factory to provide screening from electromagnetic interference to data and communications cabling within trunking systems.



WARNING: A CS coating is not suitable for low voltage circuits. BS 7671:2008. For data/voice use only.

1 gang screened accessory box			DATA
code	depth	pack	
ESSB1SWH*	30mm	20	
2 gang screened adjustable depth box			DATA
code	depth	pack	
ESSB2SWH*	30mm	10	

*Supplied complete with earth terminal

Twin Plus installed at Sunderland College.
See page 18 to read the case study in full.



PVC-U PERIMETER TRUNKING SYSTEMS

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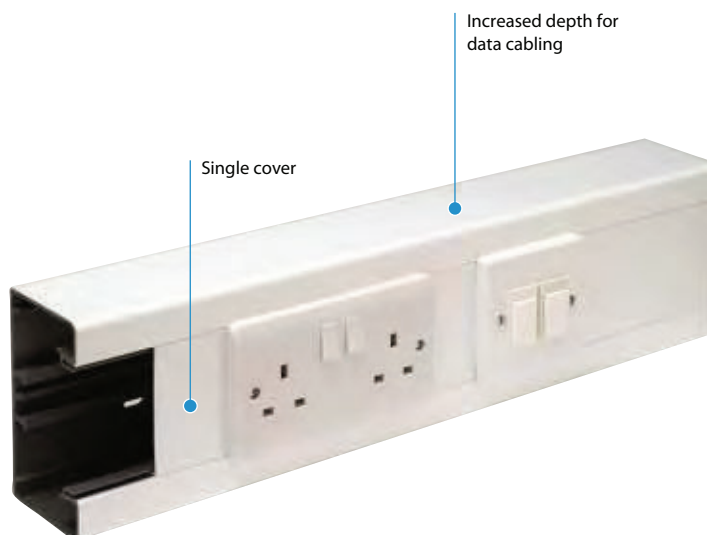
Technical
Information

Series R 130 is an extra deep compact trunking that is economical for installation in the smaller office or workshop.

Product information

- 130 x 65mm
- 1 main compartment
- Can be subdivided into 2 or 3 compartments
- Single cover
- Suitable for dado application and as a feeder trunking
- Extra deep 40mm deep boxes
- Data compliant 25mm and 50mm bend radius

Standard colour
WH
WH: White



Basic components



Trunking assembly
(base and cover)

code	pack
RTBD130WH	2 x 3m

Fittings



Coupler

code	pack
RCP130WH	5



End cap

code	pack
RECPD130WH	12



Internal bend

code	pack
RIB130WH	1



External bend

code	pack
REB130WH	1



Flat angle
Fabricated - up/down

code	pack
RFAD130WH	1



Flat tee
Fabricated - up/down

code	pack
RFTD130WH	1

Components



Dividing fillet
For centre compartment

code	pack
ELDF200	8 x 3m



Segregator
For top and bottom
compartments

code	pack
RDF1	10 x 3m

Boxes



1 gang accessory box

code	depth	pack
RSSB10WH	40mm	12



2 gang accessory box

code	depth	pack
RSSB20WH	40mm	6



1 gang schuko
accessory box

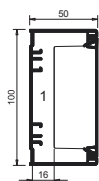
code	depth	pack
RSSBU10WH	40mm	12

p276

Technical
Information

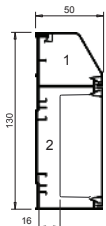
PVC-U perimeter trunking capacity guide

Trunking sizes up to 150mm



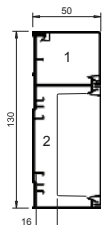
Mono 10 no box

1 = 4141mm² total area
1 = 1863mm² 45% space factor
with box in comp 1
1 = 1874mm² total area
1 = 843mm² 45% space factor



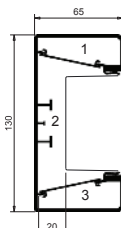
Compact 1 no box

1 = 1280mm² total area
1 = 576mm² 45% space factor
2 = 3763mm² total area
2 = 1693mm² 45% space factor
With box in comp 2
2 = 1497mm² total area
2 = 673mm² 45% space factor



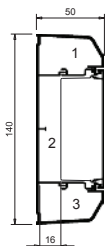
Compact 2 no box

1 = 1534mm² total area
1 = 690mm² 45% space factor
2 = 3763mm² total area
2 = 1693mm² 45% space factor
With box in comp 2
2 = 1497mm² total area
2 = 673mm² 45% space factor



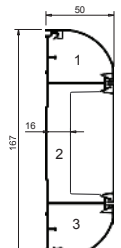
Series R 130

with box and segregators
1 & 3 = 957mm² total area
1 & 3 = 431mm² 45% space factor
2 = 2210mm² total area
2 = 995mm² 45% space factor
without segregators
1 = 4272mm² total area
1 = 1922mm² 45% space factor



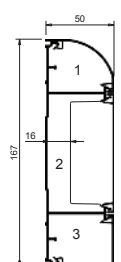
Mono Plus 20 – no box

1 & 3 = 1024mm² total area
1 & 3 = 461mm² 45% space factor
2 = 3451mm² total area
2 = 1553mm² 45% space factor
With box in comp 2
2 = 1185mm² total area
2 = 533mm² 45% total area



Sterling Curve Profile 1 – no box

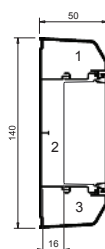
1 & 3 = 1170mm² total area
1 & 3 = 527mm² 45% space factor
2 = 3858mm² total area
2 = 1736mm² 45% space factor
With box in comp 2
2 = 1376mm² total area
2 = 619mm² 45% total area



Sterling Curve Profile 2 – no box

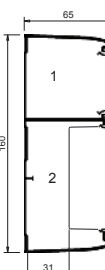
1 = 1170mm² total area
1 = 527mm² 45% space factor
2 = 3858mm² total area
2 = 1736mm² 45% space factor
3 = 1542mm² total area
3 = 694mm² 45% space factor
With box in comp 2
2 = 1376mm² total area
2 = 619mm² 45% space factor

Trunking sizes from 150mm to 200mm



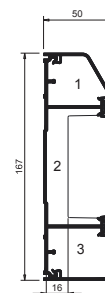
Mono Plus 30 no box

1 = 1450mm² total area
1 = 652mm² 45% space factor
2 = 3829mm² total area
2 = 1723mm² 45% space factor
3 = 1646mm² total area
3 = 741mm² 45% space factor
With box in comp 2
2 = 1563mm² total area
2 = 703mm² 45% space factor



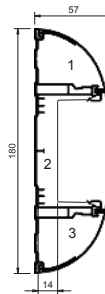
Twin 165 no box

1 = 3272mm² total area
1 = 1472mm² 45% space factor
2 = 5404mm² total area
2 = 2431mm² 45% space factor
With box in comp 2
2 = 3100mm² total area
2 = 1395mm² 45% space factor



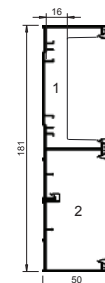
Sterling Profile 2 no box

1 = 1266mm² total area
1 = 570mm² 45% space factor
2 = 3858mm² total area
2 = 1736mm² 45% space factor
3 = 1542mm² total area
3 = 694mm² 45% space factor
With box in comp 2
2 = 1376mm² total area
2 = 619mm² 45% space factor



Odyssey no box

1 & 3 = 1256mm² total area
1 & 3 = 565mm² 45% space factor
2 = 4022mm² total area
2 = 1810mm² 45% space factor
With box in comp 2
2 = 1230mm² total area
2 = 554mm² 45% space factor



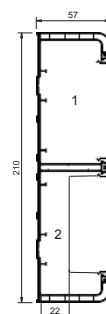
Compact 3 – no box

1 = 3763mm² total area
1 = 1693mm² 45% space factor
2 = 3700mm² total area
2 = 1665mm² 45% space factor
With box in comps 1 and 2
1 = 1503mm² total area
1 = 676mm² 45% space factor
2 = 1440mm² total area
2 = 648mm² 45% space factor

Conductor type	Size	Cable factor
Stranded PVC power	1.5mm ²	8.0
Stranded PVC power	2.5mm ²	11.9
Stranded PVC power	4.0mm ²	16.6

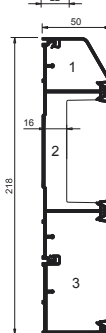
For Data cable information, please see page 246

Trunking sizes over 200mm



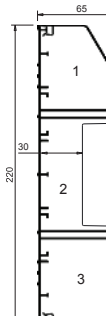
Twin Plus – no box

1 & 2 = 4755mm² total area
1 & 2 = 2140mm² 45% space factor
With box in comps 1 or 2
1 & 2 = 2431mm² total area
1 & 2 = 1094mm² 45% space factor



Sterling Profile 4 no box

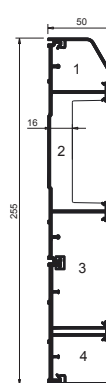
1 = 1266mm² total area
1 = 570mm² 45% space factor
2 = 3858mm² total area
2 = 1736mm² 45% space factor
3 = 3716mm² total area
3 = 1672mm² 45% space factor
With box in comp 2 or 3
2 = 1376mm² total area
2 = 619mm² 45% space factor
3 = 1234mm² total area
3 = 555mm² 45% space factor



XL 202

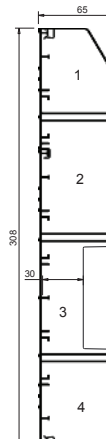
XL 202 – no box

1 = 2824mm² total area
1 = 1271mm² 45% space factor
2 = 4771mm² total area
2 = 2147mm² 45% space factor
3 = 3531mm² total area
3 = 1589mm² 45% space factor
With box in comp 2
2 = 2504mm² total area
2 = 1127mm² 45% space factor



Sterling Profile 12 no box

1 = 1266mm² total area
1 = 570mm² 45% space factor
2 = 3858mm² total area
2 = 1736mm² 45% space factor
3 = 3566mm² total area
3 = 1605mm² 45% space factor
4 = 1430mm² total area
4 = 644mm² 45% space factor
With box in comp 2 or 3
2 = 1376mm² total area
2 = 619mm² 45% space factor
3 = 1084mm² total area
3 = 488mm² 45% space factor



XL 212 – no box

1 = 2824mm² total area
1 = 1271mm² 45% space factor
2 = 4771mm² total area
2 = 2147mm² 45% space factor
3 = 4732mm² total area
3 = 2130mm² 45% space factor
4 = 3531mm² total area
4 = 1589mm² 45% space factor
With box in comps 2 or 3
2 = 2511mm² total area
2 = 1130mm² 45% space factor
3 = 2466mm² total area
3 = 1109mm² 45% space factor

Compact trunking

Material

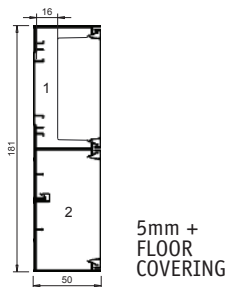
PVC-U is flame retardant and self-extinguishing. PVC-U is 100% recyclable.

Installation

Positioning

Compact 1, 2 & 3 suitable for dado. Should Compact 3 be used as skirting system, a clearance of 5mm is recommended above the floor covering to allow the profile fittings to clip over the cover.

If Compact 2 is installed close to desk/bench top – invert so small compartment is on bottom.



Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended. Fittings have a 10mm overlap on each side to allow for thermal movement of the covers.

Fitting

- The base is supplied with pre-cut elongated holes at 250mm centres.
- To fasten base, use No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45 degree mitres.

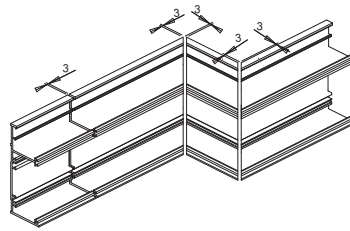
Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the cover.

Joints and bends

Base joints should have a 3mm gap to allow for expansion.

- Internal, external bends and flat angles, the base must be mitred 45 degrees to ensure total enclosure of trunking, including any internal fitted segregator.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- Flat angles, tees and crossovers are also available pre-fabricated.

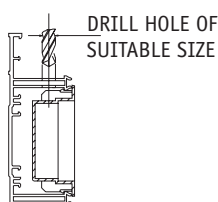


Bend radius control

The data internal and external bend radius control fittings for Compact Trunking provide a bend radius of 50mm.

Accessory boxes

- For mounting an accessory box in the alternative compartment to supply, drill the main web adjacent to the box position.
- Remove the appropriate knock out and clip the box into the trunking base.
- For boxes in the same compartment as the supply, remove the appropriate box knock-outs and clip the box into trunking base.
- When boxes are installed consecutively, a 14mm wide spacer (ES1) is required to cover the space between the boxes.
- Part M box assemblies with contrasting coloured faceplates are available to meet the requirements of DDA regulations for Visual Impairment.
- If Compact 3 is used as a skirting system. All power accessories should be installed in the top compartment.



Covers

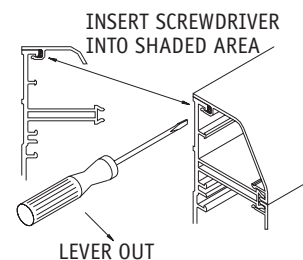
Covers are designed to limit unauthorised removal and to remain in position during normal conditions irrespective of impact and minor undulations of the mounting surface.

Covers – fitting

Covers are clipped into place from front. If accessory boxes are installed, the ETL1 cover is butt-joined to the edge of the box. Cut edges of the cover are subsequently concealed by the accessory. For fittings, a gap of 25mm is left between the two cover ends to permit the fitting to clip to base.

Covers – removal

To remove a cover, first detach a coupler, internal or external bend component to gain access. The main cover can then be gently eased off the base. To remove the outer cover, firstly ease from the base by inserting



the blade of a terminal screwdriver between the captive legs of the cover and the base and then peel off.

Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

• For data/voice circuits only:

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits BS7671 (1992) 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

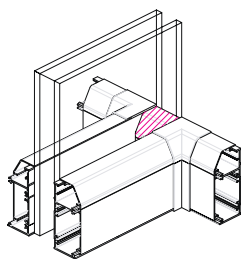
Antimicrobial

For technical details of antimicrobial Bio Compact trunking, please refer to Laboratory and Healthcare section.

Compact trunking – continued

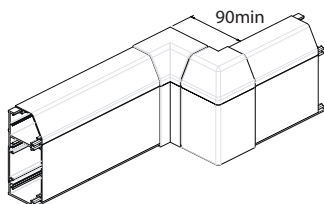
Method of continuation through a partition wall

Continue the main lateral run of base through the partition wall. Fit short lengths of cover where the trunking passes through the partition. The partition wall trunking is then butted up to the main run and the joint covered by an internal bend fitting.

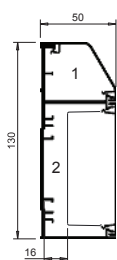


Offset dimensions

The minimum set that can be accommodated in the same plane (from internal to external bend), is shown below.

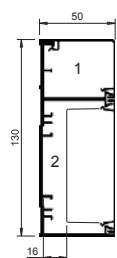


Dimensions



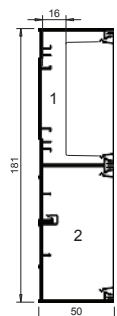
Compact 1 trunking – with box

Compartment 1 total area = 1280mm²
Compartment 2 total area = 1497mm²



Compact 2 trunking – no box

Compartment 1 total area = 1534mm²
Compartment 2 total area = 3763mm²



Compact 3 trunking – no box

Compartment 1 total area = 3763mm²
Compartment 2 total area = 3700mm²

Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2	
	No box	With box	No box	With box

PVC power cable 1.5mm² stranded copper

Compact 1	72	–	212	84
Compact 2	86	–	212	84
Compact 3	212	85	208	81

PVC power cable 2.5mm² stranded copper

Compact 1	48	–	142	57
Compact 2	58	–	142	57
Compact 3	142	57	140	54

PVC power cable 4.0mm² stranded copper

Compact 1	35	–	102	41
Compact 2	42	–	102	41
Compact 3	102	41	100	39

Data cable: Ø5.5mm

Compact 1	24	–	71	28
Compact 2	29	–	71	28
Compact 3	71	28	70	27

Data cable: Ø6.0mm

Compact 1	20	–	60	24
Compact 2	24	–	60	24
Compact 3	60	24	59	23

Data cable: Ø6.5mm

Compact 1	18	–	53	21
Compact 2	21	–	53	21
Compact 3	53	21	52	20

Data cable: Ø7.0mm

Compact 1	15	–	44	17
Compact 2	18	–	44	17
Compact 3	44	18	43	17

Data cable: Ø8.4mm

Compact 1	10	–	31	12
Compact 2	12	–	31	12
Compact 3	31	12	30	12

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Product
Information

Mono and Mono Plus trunking – PVC-U

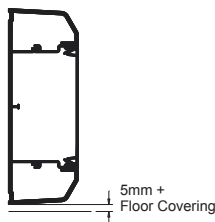
Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

Installation

Positioning

- **Mono 10**
For dado application only.
- **Mono Plus 20 and 30**
When used as a skirting system, sufficient clearance should be allowed between the floor covering and the profile fittings that clip over the cover i.e. 5mm + floor covering is recommended.



Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended. Adequate allowance is made within the fittings for thermal movement of the covers, which have a 7mm overlap on each side.

Fitting

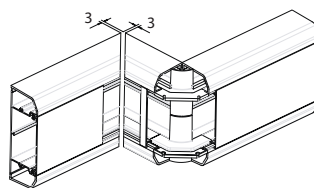
- The base is supplied with pre-cut elongated holes at 250mm centres.
- Internal couplers on base units are not required.
- To fasten base, use No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45 degree mitres.
- **Mono Plus 20 and 30**
Cut the compartment segregators (x 2 provided) to lengths to fit between accessory boxes and corners. Fit into position after wiring has been completed.

Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the cover.

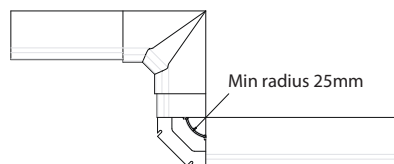
Joints and bends

- Base joints should have a 3mm gap to allow for expansion.
- External moulded fittings overlap the joints by up to 7mm to cover cutting inaccuracies.
- **Mono 10**
For external bends and flat angles, the base must be mitred 45 degrees to ensure total enclosure of trunking, including any internal fitted segregator. Tees are fabricated.
- **Mono Plus 20 and 30**
External bends should be cut square at the corner and in internal segregator inserted as shown below, to give additional retention to the clip-on fitting. Flat angles and tees are prefabricated.



Bend radius control

- **Mono 10**
Not applicable
- **Mono Plus 20 and 30**
The data bend radius control fittings for Mono Plus trunking provide a bend radius of 25mm.



Accessory boxes

- If the accessory box is to be fed from a supply in either of the outer compartments, remove the appropriate knock out (top or bottom) and clip the box into the trunking base.
- For boxes supplied from the main compartment, remove the appropriate box knock-outs and clip the box into trunking base.
- When boxes are installed consecutively, a 14mm wide spacer (ES1) is required to cover the space between the boxes.

- Part M box assemblies with contrasting coloured faceplates are available to meet the requirements of DDA regulations for Visual Impairment.

Covers

The cover has been designed to limit unauthorised removal and to remain in position during normal conditions, irrespective of impact and minor undulations of the mounting surface.

Covers – fitting

The cover is clipped into place from the front. If accessory boxes are installed, the cover is butt-joined to the edge of the box and the cut edges of the cover is subsequently concealed by the accessory. For fittings, a gap of 25mm is left between the two cover ends to permit the fitting to clip to the base.

Covers – removal

To remove the cover, first detach a coupler, internal or external bend component to gain access. The main cover can then be gently eased off the base.

Screening

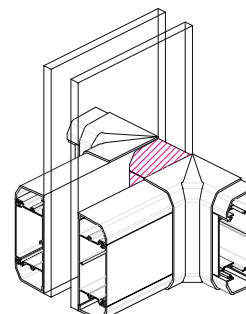
Refer to the Technical Team on +44 (0)1424 856688.

Antimicrobial

For technical details of antimicrobial Mono 10 and Mono Plus 20 Bio trunking, please refer to Laboratory and Healthcare section.

Method of continuation through a partition wall

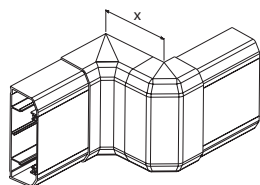
Continue the main lateral run of base through the partition wall with a short length of cover fitted where the trunking passes through the partition. The partition wall trunking is then butted up to the main run and the joint covered by an Internal bend. (as shown below)



Mono and Mono Plus trunking – PVC-U – continued

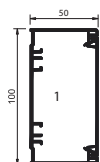
Offset dimensions

The minimum set that can be accommodated in the same plane (from internal to external bend), is shown below.

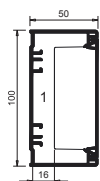


x =
100mm min (Mono 10)
105mm min (Mono Plus 20)
110mm min (Mono Plus 30)

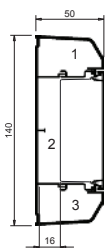
Dimensions



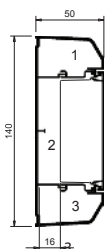
Mono 10 trunking – no box
Compartment 1 total area = 4141mm²



Mono 10 trunking – with box
Compartment 1 total area = 1874mm²



Mono Plus 20 trunking – with box
Compartment 1 total area = 1024mm²
Compartment 2 total area = 1185mm²
Compartment 3 total area = 1024mm²



Mono Plus 30 trunking – with box
Compartment 1 total area = 1450mm²
Compartment 2 total area = 1563mm²
Compartment 3 total area = 1646mm²

Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between data cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2		Compartment 3	
	No box	With box	No box	With box	No box	With box

PVC power cable 1.5mm² stranded copper

Mono 10	233	105	–	–	–	–
Mono Plus 20	58	–	194	67	58	–
Mono Plus 30	82	–	215	88	93	–

PVC power cable 2.5mm² stranded copper

Mono 10	157	71	–	–	–	–
Mono Plus 20	39	–	131	45	39	–
Mono Plus 30	55	–	145	59	62	–

PVC power cable 4.0mm² stranded copper

Mono 10	112	51	–	–	–	–
Mono Plus 20	28	–	94	32	28	–
Mono Plus 30	39	–	104	42	45	–

Data cable: Ø5.5mm

Mono 10	78	35	–	–	–	–
Mono Plus 20	19	–	65	22	19	–
Mono Plus 30	27	–	72	30	31	–

Data cable: Ø6.0mm

Mono 10	66	30	–	–	–	–
Mono Plus 20	16	–	55	19	16	–
Mono Plus 30	23	–	61	25	26	–

Data cable: Ø6.5mm

Mono 10	58	26	–	–	–	–
Mono Plus 20	14	–	48	17	14	–
Mono Plus 30	20	–	54	22	23	–

Data cable: Ø7.0mm

Mono 10	48	22	–	–	–	–
Mono Plus 20	12	–	40	14	12	–
Mono Plus 30	17	–	45	18	19	–

Data cable: Ø8.4mm

Mono 10	34	15	–	–	–	–
Mono Plus 20	8	–	28	10	8	–
Mono Plus 30	12	–	31	13	13	–

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Product
Information

Odyssey trunking

Material

Odyssey accessory boxes and fittings are flame retardant ABS which is 100% recyclable.

Installation

Positioning

For dado, horizontal or vertical installation.

Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended.

Adequate allowance is made within the fittings for thermal movement of the covers, which have a 10mm overlap on each side.

Fitting

- The base is supplied with pre-cut elongated holes at 250mm centres.
- Internal couplers on base units are not required.
- To fasten base, use No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45 degree mitres.

Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the covers.

Joints and bends

All base joints should have a 3mm gap to allow for expansion.

- **Internal bends:** the two base sections should be cut square and butt joined at the corner. The internal end cap component should be fitted to the open end to maintain trunking integrity.
- **External bends:** the base must be cut square with the corner and the internal radius control segregator fitted into the two base sections.

Adjustable bends: these allow 85° to 95° to accommodate building tolerances.

- **Flat bends and tees:** have moulded and segregated base units. These are fitted into position and the trunking base then cut to butt up to mouldings.

Cutting is not critical as the external moulded clip-on fittings cover the joints and overlap the trunking covers by 10mm each side, thus covering any inaccuracies.

Bend radius control

The bend radius control fittings for Odyssey provide a bend radius of 25mm, 50mm and 65mm.

Accessory boxes

Accessory boxes are mounted in the centre compartment. If supplied from either of the outer compartments, drill the main web adjacent to the box position. Remove the appropriate knock out and clip the box into the trunking base. For boxes in the same compartment as the supply, remove the appropriate box knock-outs and clip the box into trunking base.

- If boxes DD1510 and DD1520 are installed consecutively, a cut section of centre cover should be fitted between them.
- If DD1540 or DD1550 are installed, Adaptor DD1590 must be fitted either side to align with curved cover.
- If DD1540 or DD1550 are installed consecutively, use the spacer provided and at each end of a run use accessory adaptor DD1590 to align with curved cover.
- Part M coloured accessory boxes are available to meet the requirements of DDA regulations for Visual Impairment.

Covers

The covers have been designed to limit unauthorised removal and remain in position during normal conditions, irrespective of impact and minor undulations of the mounting surface.

Covers – fitting

Outer covers are fitted first. Locate front clip feature into the base and then roll the cover to the back of the trunking until the rear clip feature positively locates – it is possible to hear the click when this is located correctly. The centre cover is then clipped into place from the front. If accessory boxes are installed, the centre cover is butt joined beneath the moulded flange of the box (Odyssey box DD1510/DD1520) or adaptor (DD1590). The cut edges of lids are then concealed.

A gap of 15mm should be left between cover joints to permit fittings to clip to the base.

Covers – removal

To remove a cover, first detach a coupler, internal or external bend component to gain access. The main cover can then be gently eased off the base. To remove the outer cover, firstly ease from the base by inserting the blade of a terminal screwdriver between the captive legs of the cover and the base and then peel off.

Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

• For data/voice circuits only:

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits BS7671 (1992) 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

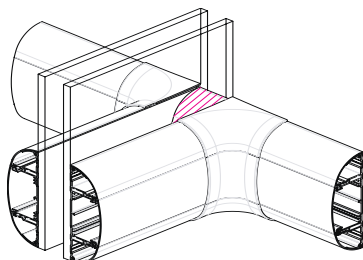
Antimicrobial

For technical details of antimicrobial Odyssey Bio trunking, please refer to Laboratory and Healthcare section.

Odyssey trunking– continued

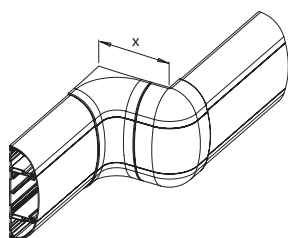
Method of continuation through a partition wall

Continue the main lateral run of base through the partition wall with short lengths of cover fitted where the trunking passes through the partition. The partition wall trunking is then butted up to the main run and the joint covered by an Internal bend. (as shown below)



Offset dimensions

The minimum set that can be accommodated in the same plane (from internal to external bend), is shown below.



x =

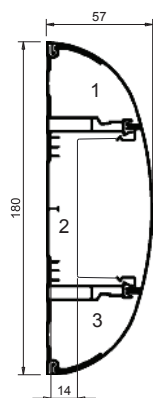
Fixed bend offset 138mm

Adjustable bend offset 165mm

Adjustable external bend, fixed internal bend offset 163mm

Adjustable internal bend, fixed external bend offset 140mm

Dimensions



Odyssey trunking – with box

Compartment 1 & 3 total area = 1278mm²

Compartment 2 total area = 859mm²

Odyssey trunking – no box

Compartment 2 total area = 3972mm²

Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2		Compartment 3	
	No box	With box	No box	With box	No box	With box
PVC power cable 1.5mm ² stranded copper	71	–	226	69	71	–
PVC power cable 2.5mm ² stranded copper	47	–	152	47	47	–
PVC power cable 4.0mm ² stranded copper	34	–	109	33	34	–
Data cable: Ø5.5mm	24	–	76	23	24	–
Data cable: Ø6.0mm	20	–	64	20	20	–
Data cable: Ø6.5mm	18	–	56	17	18	–
Data cable: Ø7.0mm	15	–	47	14	15	–
Data cable: Ø8.4mm	10	–	33	10	10	–

Series R trunking

Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

Installation

Positioning

Series R is suitable for dado.

Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended.

Adequate allowance is made within the fittings for thermal movement of the covers, which have a 10mm overlap on each side.

Fitting

- The base is supplied with pre-cut elongated holes at 250mm centres.
- Internal couplers on base units are not required.
- To fasten base, use No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45 degree mitres.

Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the cover.

Joints and bends

All base joints should have a 3mm gap to allow for expansion.

- **Internal bends and external bends:** trunking body must be mitred at 45° to ensure total enclosure of trunking, including any internal fitted segregator.
- **Flat angles and tees:** are prefabricated. Trunking bases should be cut to butt up to fittings.

Cutting is not critical as the external moulded clip-on fittings cover the joints and overlap the trunking covers by 10mm each side, thus covering any inaccuracies.

Bend radius control

Please contact the Technical Team on +44 (0)1424 856688

Accessory boxes

All accessory boxes are mounted in the main, centre compartment. The appropriate knockout removal depends whether supply is to be run in the centre compartment or either/both of the outer segregated compartments. When knockouts are removed, clip the box into the trunking body. When boxes are installed consecutively, a short cut length of centre cover (14mm min.) is required to cover the space between boxes.

Covers

The cover has been designed to remain in position irrespective of impact during normal conditions, minor undulations of the mounting surface, and to limit unauthorised removal.

Covers – fitting

The single cover is clipped into place from the front. If accessory boxes are installed, the covers are butt-joined to the edge of the box (RSSB1/2). The cut edges the cover are subsequently concealed by the accessory.

Covers – removal

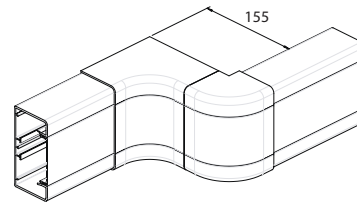
To remove the cover, first detach a coupler, internal or external bend component to gain access. The cover can then be gently eased off the base.

Method of continuation through a partition wall

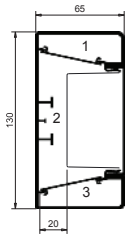
- Continue the main lateral run of base through the partition wall with short lengths of cover fitted where the trunking passes through the partition. The partition wall trunking is then butted up to the main run and the joint covered by an Internal bend.

Offset dimensions

The minimum set that can be accommodated in the same plane (from internal to external bend), is shown below.

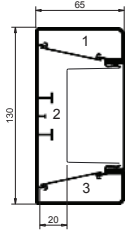


Series R– continued



Series R 130 – with box and segregators

Compartment 1 & 3 total area = 957mm²
 Compartment 2 total area = 2210mm²
 Compartment 2 (45% space factor) = 995mm²



Series R 130 – with box, no segregators

Compartment total area = 4272mm²
 Compartment (45% space factor) = 1992mm²

Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2		Compartment 3	
	No box	With box	No box	With box	No box	With box
PVC power cable 1.5mm ² stranded copper						
Series R 130	89	–	–	40	89	–
PVC power cable 2.5mm ² stranded copper						
Series R 130	60	–	–	27	60	–
PVC power cable 4.0mm ² stranded copper						
Series R 130	43	–	–	19	43	–
Data cable: Ø5.5mm						
Series R 130	30	–	–	13	30	–
Data cable: Ø6.0mm						
Series R 130	25	–	–	11	25	–
Data cable: Ø6.5mm						
Series R 130	22	–	–	10	22	–
Data cable: Ø7.0mm						
Series R 130	19	–	–	8	19	–
Data cable: Ø8.4mm						
Series R 130	13	–	–	6	13	–

Sterling Profile trunking

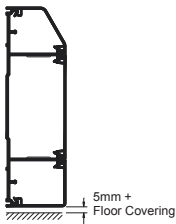
Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

Installation

Positioning

When used as a skirting system, sufficient clearance should be allowed between the floor covering and the profile fittings that clip over the cover i.e. 5mm + floor covering is recommended.



Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended. Fittings have a 10mm overlap on each side to allow for thermal movement of the covers.

Fitting

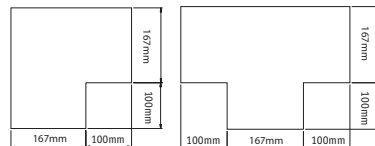
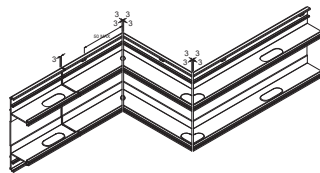
- The base is supplied with pre-cut elongated holes at 250mm centres.
- Internal couplers on base units are not required.
- To fasten base, use No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.
- To increase number of compartments to any number required, use base extension EBE1WH and extendable base EEB1.

Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the cover.

Joints and bends

- Base joints should have a 3mm gap to allow for expansion.
- Internal, external bends and flat angles, the base must be mitred 45° to ensure total enclosure of trunking, including any internal fitted segregator.
- Flat angles, tees and crossovers are available prefabricated.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.

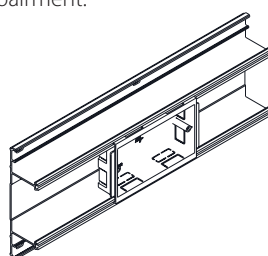


Bend radius control

The data internal and external bend radius control fittings for Sterling Profile trunking provide a bend radius of 50mm.

Accessory boxes

- For mounting an accessory box in the alternative compartment to supply. Fit the box and remove the closest knockout in the main web.
- Remove the appropriate knock out and clip the box into the trunking base.
- For boxes in the same compartment as the supply, remove the appropriate box knock-outs and clip the box into trunking base.
- When boxes are installed consecutively, a 14mm wide spacer (ES1) is required to cover the space between the boxes.
- Part M box assemblies with contrasting coloured faceplates are available to meet the requirements of DDA regulations for Visual Impairment.



Covers

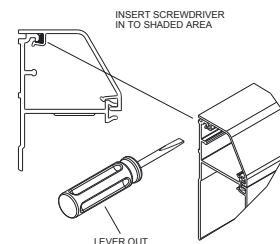
Covers are designed to limit unauthorised removal and to remain in position during normal conditions irrespective of impact and minor undulations of the mounting surface.

Covers – fitting

Covers are clipped into place from front. If accessory boxes are installed, the ETL1 cover is butt-joined to the edge of the box. Cut edges of the cover are subsequently concealed by the accessory. For fittings, a gap of 25mm is left between the two cover ends to permit the fitting to clip to base.

Covers – removal

To remove a cover, first detach a coupler, internal or external bend component to gain access. The main cover can then be gently eased off the base. To remove the outer cover, firstly ease from the base by inserting the blade of a terminal screwdriver between the captive legs of the cover and the base and then ease away from the base.



Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

• For data/voice circuits only:

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits BS7671 (1992) 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

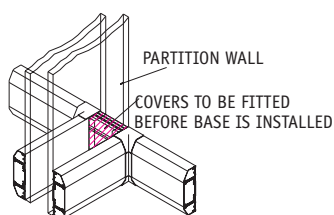
Antimicrobial

For technical details of antimicrobial Sterling Profile Bio trunking, please refer to Laboratory and Healthcare section on page 36.

Sterling Profile trunking – continued

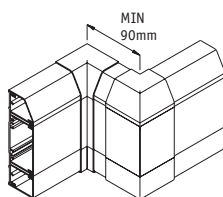
Method of continuation through a partition wall

- Continue the main lateral run of base through the partition wall.
- Fit short lengths of cover where the trunking passes through the partition.
- The partition wall trunking is then butted up to the main run and the joint covered by an internal bend fitting.

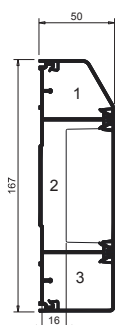


Offset dimensions

The minimum set that can be accommodated in the same plane (from internal to external bend), is shown below.



Dimensions

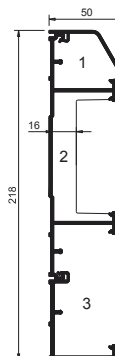


Sterling Profile 2 - with box

Compartment 1 total area = 1266mm²
Compartment 2 total area = 1376mm²
Compartment 3 total area = 1542mm²

Sterling Profile 2 - no box

Compartment 2 total area = 3858mm²

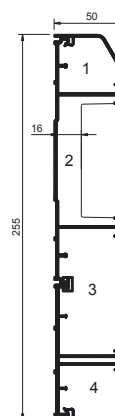


Sterling Profile 4 - with box in compartment 2

Compartment 1 total area = 1266mm²
Compartment 2 total area = 1376mm²
Compartment 3 total area = 3716mm²

No box in compartment 2

Compartment 2 total area = 3858mm²

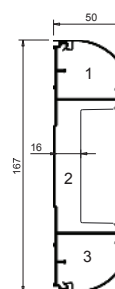


Sterling Profile 12 - with box in compartment 2

Compartment 1 total area = 1266mm²
Compartment 2 total area = 1376mm²
Compartment 3 total area = 3566mm²
Compartment 4 total area = 1430mm²

No box in compartment 2

Compartment 2 total area = 3858mm²

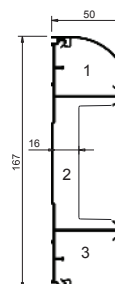


Sterling Curve Profile 1 – no box

1 & 3 = 1170mm² total area
1 & 3 = 527mm² 45% space factor
2 = 3858mm² total area
2 = 1736mm² 45% space factor

With box in comp 2

2 = 1376mm² total area
2 = 619mm² 45% total area



Sterling Curve Profile 2 – no box

1 & 3 = 1170mm² total area
1 & 3 = 527mm² 45% space factor
2 = 3451mm² total area
2 = 1553mm² 45% space factor

With box in comp 2

2 = 1185mm² total area
2 = 533mm² 45% total area

Other Sterling Profile dimensions

Other Sterling Profiles are a combination of the ones shown on this page and can be calculated using the compartment dimensions shown here.

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Product Information

Sterling Profile

Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2		Compartment 3		Compartment 4
	No box	With box	No box	With box	No box	With box	No box
PVC power cable 1.5mm² stranded copper							
Sterling Profile 1	71	-	217	77	71	-	-
Sterling Profile 2	71	-	217	77	87	-	-
Sterling Profile 3	87	-	217	77	87	-	-
Sterling Curve Profile 1	66	-	217	77	66	-	-
Sterling Curve Profile 2	66	-	217	77	87	-	-
Sterling Profile 4	71	-	217	77	209	69	-
Sterling Profile 5	87	-	217	77	209	69	-
Sterling Profile 6	209	69	217	77	209	69	-
Sterling Profile 11	71	-	217	77	201	61	71
Sterling Profile 12	71	-	217	77	201	61	80
Sterling Profile 13	80	-	217	77	201	61	80
PVC power cable 2.5mm² stranded copper							
Sterling Profile 1	48	-	146	52	48	-	-
Sterling Profile 2	48	-	146	52	58	-	-
Sterling Profile 3	58	-	146	52	58	-	-
Sterling Curve Profile 1	44	-	146	52	44	-	-
Sterling Curve Profile 2	44	-	146	52	58	-	-
Sterling Profile 4	48	-	146	52	141	47	-
Sterling Profile 5	58	-	146	52	141	47	-
Sterling Profile 6	141	47	146	52	141	47	-
Sterling Profile 11	48	-	146	52	135	41	48
Sterling Profile 12	48	-	146	52	135	41	54
Sterling Profile 13	54	-	146	52	135	41	54
PVC power cable 4.0mm² stranded copper							
Sterling Profile 1	34	-	105	37	34	-	-
Sterling Profile 2	34	-	105	37	42	-	-
Sterling Profile 3	42	-	105	37	42	-	-
Sterling Curve Profile 1	32	-	105	37	32	-	-
Sterling Curve Profile 2	32	-	105	37	42	-	-
Sterling Profile 4	34	-	105	37	101	33	-
Sterling Profile 5	42	-	105	37	101	33	-
Sterling Profile 6	101	33	105	37	101	33	-
Sterling Profile 11	34	-	105	37	97	29	34
Sterling Profile 12	34	-	105	37	97	29	39
Sterling Profile 13	39	-	105	37	97	29	39
Data cable: Ø5.5mm²							
Sterling Profile 1	24	-	73	26	24	-	-
Sterling Profile 2	24	-	73	26	29	-	-
Sterling Profile 3	29	-	73	26	29	-	-
Sterling Curve Profile 1	22	-	73	26	22	-	-
Sterling Curve Profile 2	22	-	73	26	29	-	-
Sterling Profile 4	24	-	73	26	70	23	-
Sterling Profile 5	29	-	73	26	70	23	-
Sterling Profile 6	70	23	73	26	70	23	-
Sterling Profile 11	24	-	73	26	67	20	24
Sterling Profile 12	24	-	73	26	67	20	27
Sterling Profile 13	27	-	73	26	67	20	27

Cable capacity chart	Compartment 1		Compartment 2		Compartment 3		Compartment 4	
	No box	With box	No box	With box	No box	With box	No box	
Data cable: Ø6.0mm ²								
Sterling Profile 1	20	-	61	22	20	-	-	
Sterling Profile 2	20	-	61	22	25	-	-	
Sterling Profile 3	25	-	61	22	25	-	-	
Sterling Curve Profile 1	19	-	61	22	19	-	-	
Sterling Curve Profile 2	19	-	61	22	25	-	-	
Sterling Profile 4	20	-	61	22	59	20	-	
Sterling Profile 5	25	-	61	22	59	20	-	
Sterling Profile 6	59	20	61	22	59	20	-	
Sterling Profile 11	20	-	61	22	57	17	20	
Sterling Profile 12	20	-	61	22	57	17	23	
Sterling Profile 13	23	-	61	22	57	17	23	
Data cable: Ø6.5mm ²								
Sterling Profile 1	18	-	54	19	18	-	-	
Sterling Profile 2	18	-	54	19	22	-	-	
Sterling Profile 3	22	-	54	19	22	-	-	
Sterling Curve Profile 1	16	-	54	19	16	-	-	
Sterling Curve Profile 2	16	-	54	19	22	-	-	
Sterling Profile 4	18	-	54	19	52	17	-	
Sterling Profile 5	22	-	54	19	52	17	-	
Sterling Profile 6	52	17	54	19	52	17	-	
Sterling Profile 11	18	-	54	19	50	15	18	
Sterling Profile 12	18	-	54	19	50	15	20	
Sterling Profile 13	20	-	54	19	50	15	20	
Data cable: Ø7.0mm ²								
Sterling Profile 1	15	-	45	16	15	-	-	
Sterling Profile 2	15	-	45	16	18	-	-	
Sterling Profile 3	18	-	45	16	18	-	-	
Sterling Curve Profile 1	14	-	45	16	14	-	-	
Sterling Curve Profile 2	14	-	45	16	18	-	-	
Sterling Profile 4	15	-	45	16	43	14	-	
Sterling Profile 5	18	-	45	16	43	14	-	
Sterling Profile 6	43	14	45	16	43	14	-	
Sterling Profile 11	15	-	45	16	42	13	15	
Sterling Profile 12	15	-	45	16	42	13	17	
Sterling Profile 13	17	-	45	16	42	13	17	
Data cable: Ø8.4mm ²								
Sterling Profile 1	10	-	31	11	10	-	-	
Sterling Profile 2	10	-	31	11	13	-	-	
Sterling Profile 3	13	-	31	11	13	-	-	
Sterling Curve Profile 1	10	-	31	11	10	-	-	
Sterling Curve Profile 2	10	-	31	11	13	-	-	
Sterling Profile 4	10	-	31	11	30	10	-	
Sterling Profile 5	13	-	31	11	30	10	-	
Sterling Profile 6	30	10	31	11	30	10	-	
Sterling Profile 11	10	-	31	11	29	9	10	
Sterling Profile 12	10	-	31	11	29	9	12	
Sterling Profile 13	12	-	31	11	29	9	12	

Twin165 trunking

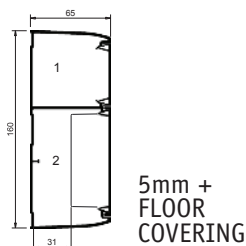
Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

Installation

Positioning

When used as a skirting system, sufficient clearance should be allowed between the floor covering and the profile fittings that clip over the cover i.e. 5mm + floor covering is recommended.



Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended.

Adequate allowance is made within the fittings for thermal movement of the covers, which have a 7mm overlap on each side.

Fitting

- The base is supplied with pre-cut elongated holes at 250mm centres.
- Internal couplers on base units are not required.
- To fasten base, use No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.

Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the cover.

Joints and bends

- Base joints should have a 3mm gap to allow for expansion.
- Internal and external bends: Base should be cut square to bend base component.
- Flat angles and tees are pre-fabricated.
- External moulded fittings overlap the joints by up to 7mm to cover cutting inaccuracies.
- End caps to be screw fixed to base.

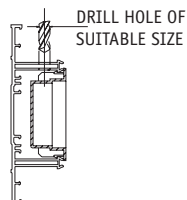
Bend radius control

The bend radius control fittings for Twin165 provide a bend radius of 50mm

Accessory boxes

The accessory box is mounted in the larger compartment (compartment 2). If supply is from the smaller compartment, drill the main web adjacent to the box position. Remove the appropriate knock out and clip the box into the trunking base. For boxes supplied from the main compartment, remove the appropriate box knock-outs and clip the box into trunking base. When boxes are installed consecutively, a 14mm wide spacer (ES1) is required to cover the space between the boxes.

- Part M box assemblies with contrasting coloured faceplates are available to meet the requirements of DDA regulations for Visual Impairment.



Covers

The covers have been designed to remain in position irrespective of impact during normal conditions, minor undulations of the mounting surface, and to limit unauthorised removal.

Covers – fitting

Covers are clipped into place from the front. If accessory boxes are installed, the covers are butt-joined to the edge of the box. For the fitting of couplers, a gap of 25mm is left between the two cover ends.

Covers – removal

To remove a cover, first detach a coupler, internal or external bend component to gain access. Both covers can then be gently eased off the base.

Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

• For data/voice circuits only:

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits BS7671 (1992) 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

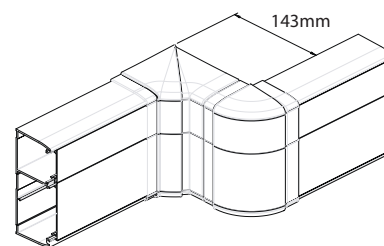
- Part M box assemblies with contrasting coloured faceplates are available to meet the requirements of DDA regulations for Visual Impairment.

Antimicrobial

For technical details of antimicrobial Twin165 Bio trunking, please refer to Laboratory and Healthcare section.

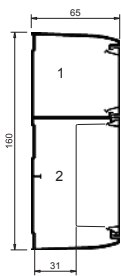
Offset dimensions

The minimum set that can be accommodated in the same plane (from internal to external bend), is shown below.



Twin165 – continued

Dimensions



Twin165 trunking - no accessory box

Compartment 1 = 3272mm² total area
 Compartment 1 = 1472mm² 45% space factor
 Compartment 2 = 5404mm² total area
 Compartment 2 = 2431mm² 45% space factor

Twin165 trunking – with accessory box

Compartment 1 = 3272mm² total area
 Compartment 1 = 1472mm² 45% space factor
 Compartment 2 = 3100mm² total area
 Compartment 2 = 1395mm² 45% space factor

Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2	
	No box	With box	No box	With box
PVC power cable 1.5mm ² stranded copper	184	–	304	174
PVC power cable 2.5mm ² stranded copper	124	–	204	117
PVC power cable 4.0mm ² stranded copper	89	–	146	84
Data cable: Ø5.5mm	62	–	102	59
Data cable: Ø6.0mm	52	–	86	49
Data cable: Ø6.5mm	46	–	76	43
Data cable: Ø7.0mm	38	–	63	36
Data cable: Ø8.4mm	27	–	44	25

Twin Plus trunking

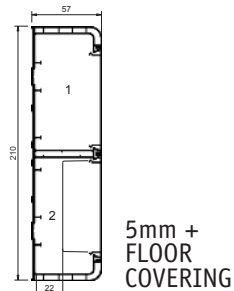
Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

Installation

Positioning

When used as a skirting system, sufficient clearance should be allowed between the floor covering and the profile fittings that clip over the cover i.e. 5mm + floor covering is recommended.



Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended.

Adequate allowance is made within the fittings for thermal movement of the covers, which have a 10mm overlap on each side.

Fitting

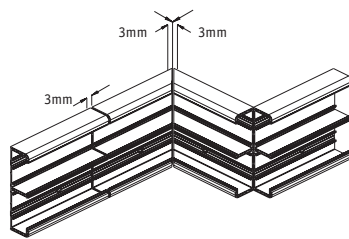
- The base is supplied with pre-cut elongated holes at 250mm centres.
- Internal couplers on base units are not required.
- To fasten base, use No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.

Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the cover.

Joints and bends

- Base joints should have a 3mm gap to allow for expansion.
- External bends: base should be cut square.
- Internal bends and flat angles, the base must be mitred 45° to ensure total enclosure of trunking, including any internal fitted segregator.
- Tees and crossovers are available prefabricated.
- External moulded fittings overlap the joints by up to 7mm to cover cutting inaccuracies.



Bend radius control

The bend radius control fittings for Twin Plus provide a bend radius of 50mm

Accessory boxes

If the accessory box is to be mounted in the alternative compartment to the supply, drill the main web adjacent to the box position. Remove the appropriate knock out and clip the box into the trunking base. For boxes in the same compartment as the supply, remove the appropriate box knock-outs and clip the box into trunking base. When boxes are installed consecutively, a 14mm wide spacer (ES1) is required to cover the space between the boxes.

- Part M box assemblies with contrasting coloured faceplates are available to meet the requirements of DDA regulations for Visual Impairment.

Covers

The covers have been designed to remain in position irrespective of impact during normal conditions, minor undulations of the mounting surface, and to limit unauthorised removal.

Covers – fitting

Covers are clipped into place from the front. If accessory boxes are installed, the covers are butt-joined to the edge of the box. For the fitting of couplers to conceal the cover joint, a gap of 30mm is left between the two cover ends.

Covers – removal

To remove a cover, first detach a coupler, internal or external bend component to gain access. Both covers can then be gently eased off the base.

Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

• For data/voice circuits only:

Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits BS7671 (1992) 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

Antimicrobial

For technical details of antimicrobial Twin Plus Bio trunking, please refer to Laboratory and Healthcare section.

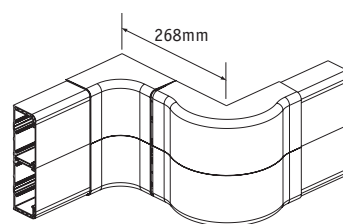
Method of continuation through a partition wall

Continue the main lateral run of base through the partition wall with short lengths of cover fitted where the trunking passes through the partition. The partition wall trunking is then butted up to the main run and the joint covered by an Internal bend.

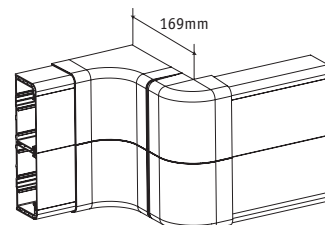
Offset dimensions

The minimum set that can be accommodated in the same plane (from internal to external bend), is shown below.

Large data capacity bend

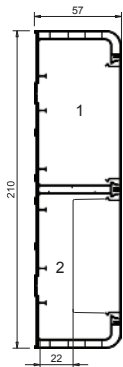


Standard bend



Twin Plus trunking – continued

Dimensions



Twin Plus trunking – with accessory box

1 = 2431mm² total area
 1 = 1094mm² 45% space factor
 2 = 2431mm² total area
 2 = 1094mm² 45% space factor

Twin Plus trunking – no accessory box

1 = 4755mm² total area
 1 = 2139mm² 45% space factor
 2 = 4755mm² total area
 2 = 2139mm² 45% space factor

Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Compartment 1		Compartment 2	
	No box	With box	No box	With box
PVC power cable 1.5mm ² stranded copper	267	137	267	137
PVC power cable 2.5mm ² stranded copper	180	92	180	92
PVC power cable 4.0mm ² stranded copper	129	66	129	66
Data cable: Ø5.5mm	90	46	90	46
Data cable: Ø6.0mm	76	39	76	39
Data cable: Ø6.5mm	66	34	66	34
Data cable: Ø7.0mm	56	28	56	28
Data cable: Ø8.4mm	39	20	39	20

XL trunking

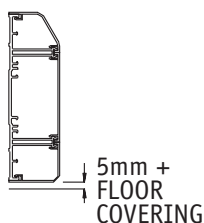
Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

Installation

Positioning

When used as a skirting system, sufficient clearance should be allowed between the floor covering and the profile fittings that clip over the cover i.e. 5mm + floor covering is recommended.



Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended.

Adequate allowance is made within the fittings for thermal movement of the covers, which have a 10mm overlap on each side.

Fitting

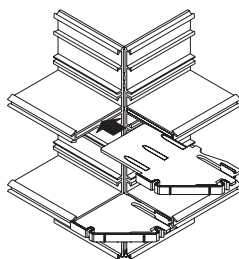
- The base is supplied with pre-cut elongated holes at 250mm centres.
- Internal couplers on base units are not required.
- To fasten base, use No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.

Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the cover.

Joints and bend

- Base joints should have a 3mm gap to allow for expansion.
- External bends: base should be cut square and segregators inserted as shown in drawing below.



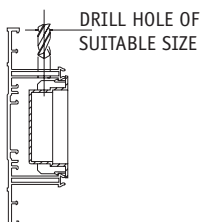
- Internal bends and flat angles, the base must be mitred 45° to ensure total enclosure of trunking, including any internal fitted segregator.
- Tees and crossovers are available prefabricated.
- External moulded fittings overlap the joints by up to 7mm to cover cutting inaccuracies.

Bend radius control

For data bend radius control fittings for XL, please contact the Technical Team on +44 (0)1424 856688.

Accessory boxes

- If accessory box main compartment is supplied from an outer compartment, drill the main web adjacent to the box position.
- Remove the appropriate knock out and clip the box into the trunking base.
- For boxes in the same compartment as the supply, remove the appropriate box knock-outs and clip the box into trunking base.
- When boxes are installed consecutively, a 14mm wide spacer (ES1) is required to cover the space between the boxes.
- Part M box assemblies with contrasting coloured faceplates are available to meet the requirements of DDA regulations for Visual Impairment.



Covers

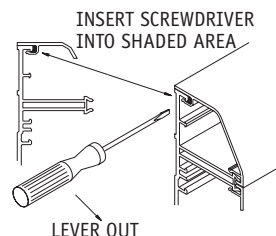
The covers have been designed to remain in position irrespective of impact during normal conditions, minor undulations of the mounting surface, and to limit unauthorised removal.

Covers – fitting

Covers are clipped into place from the front. If accessory boxes are installed, the covers are butt-joined to the edge of the box (ESSB1 and 2 only) and the cut edges of lids are subsequently concealed by the accessory. For fittings, a gap of 30mm is left between the two cover ends to permit the fitting to clip to the base.

Covers – removal

To remove a cover, first detach a coupler, internal or external bend component to gain access. The main cover can then be gently eased off the base. To remove the outer cover, firstly ease from the base by inserting the blade of a terminal screwdriver between the captive legs of the cover and the base and then peel off.



Screening

Special conductive spray coating can be applied to one compartment, the cover, accessory boxes and fittings, to screen data cables against EMI interference.

• For data/voice circuits only:

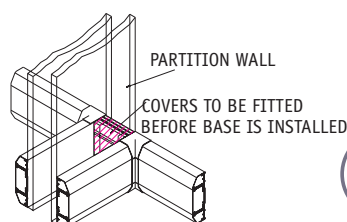
Warning: Owing to its relatively high surface resistance, CS coating SHOULD NOT be in contact with low voltage circuits BS7671 (2008) 50 V.A.C. – 1000 V.A.C. unless additional measures are undertaken.

Antimicrobial

For technical details of antimicrobial XL Bio trunking, please refer to Laboratory and Healthcare section.

Method of continuation through a partition wall

Continue the main lateral run of base through the partition wall with short lengths of cover fitted where the trunking passes through the partition. The partition wall trunking is then butted up to the main run and the joint covered by an Internal bend. (as shown below)



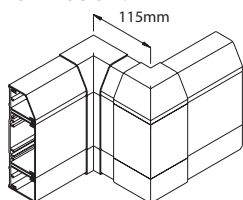
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Product
Information

XL trunking – continued

Offset dimensions

The minimum set that can be accommodated in the same plane (from internal to external bend), is shown below.



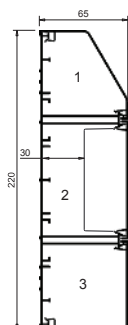
Dimensions

XL 202 Trunking - with box

- 1 = 2824mm² total area
- 1 = 1270mm² 45% space factor
- 2 = 2504mm² total area
- 2 = 1126mm² 45% space factor
- 3 = 3531mm² total area
- 3 = 1589mm² 45% space factor

XL 202 Trunking - no box

- 2 = 4771mm² total area
- 2 = 2147mm² 45% space factor

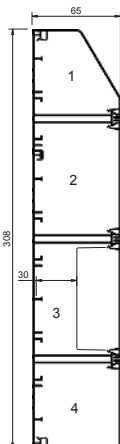


XL 212 Trunking - no box

- 1 = 2824mm² total area
- 1 = 1270mm² 45% space factor
- 2 = 4771mm² total area
- 2 = 2147mm² 45% space factor
- 3 = 4732mm² total area
- 3 = 2129mm² 45% space factor
- 4 = 3531mm² total area
- 4 = 1589mm² 45% space factor

XL 212 Trunking - with box in comp 2 or 3

- 2 = 2511mm² total area
- 2 = 1130mm² 45% space factor
- 3 = 2466mm² total area
- 3 = 1109mm² 45% space factor



Cable capacities

- All calculations allow for a 45% space factor.

As there can be differences between cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Other Sterling Profile dimensions

Other XL trunking profiles are a combination of the ones shown on this page and can be calculated using the compartment dimensions shown here.

Cable capacity chart	Compartment 1		Compartment 2		Compartment 3		Compartment 4	
	No box	With box	No box	With box	No box	With box	No box	No box
PVC power cable 1.5mm ² stranded copper								
XL 201	159	–	268	141	159	–	–	–
XL 202	159	–	268	141	199	–	–	–
XL 203	199	–	268	141	199	–	–	–
XL 211	159	–	268	141	266	139	159	–
XL 212	159	–	268	141	266	139	199	–
XL 213	199	–	268	141	266	139	199	–
PVC power cable 2.5mm ² stranded copper								
XL 201	107	–	180	95	107	–	–	–
XL 202	107	–	180	95	134	–	–	–
XL 203	134	–	180	95	134	–	–	–
XL 211	107	–	180	95	179	93	107	–
XL 212	107	–	180	95	179	93	134	–
XL 213	134	–	180	95	179	93	134	–
PVC power cable 4.0mm ² stranded copper								
XL 201	77	–	129	68	77	–	–	–
XL 202	77	–	129	68	96	–	–	–
XL 203	96	–	129	68	96	–	–	–
XL 211	77	–	129	68	128	67	77	–
XL 212	77	–	129	68	128	67	96	–
XL 213	96	–	129	68	128	67	96	–
Data cable: Ø5.5mm UTP & STP								
XL 201	53	–	90	47	53	–	–	–
XL 202	53	–	90	47	67	–	–	–
XL 203	67	–	90	47	67	–	–	–
XL 211	53	–	90	47	89	47	53	–
XL 212	53	–	90	47	89	47	67	–
XL 213	67	–	90	47	89	47	67	–
Data cable: Ø6.0mm UTP & STP								
XL 201	45	–	76	40	45	–	–	–
XL 202	45	–	76	40	56	–	–	–
XL 203	56	–	76	40	56	–	–	–
XL 211	45	–	76	40	75	39	45	–
XL 212	45	–	76	40	75	39	56	–
XL 213	56	–	76	40	75	39	56	–
Data cable: Ø6.5mm UTP & STP								
XL 201	39	–	67	35	39	–	–	–
XL 202	39	–	67	35	49	–	–	–
XL 203	49	–	67	35	49	–	–	–
XL 211	39	–	67	35	66	34	39	–
XL 212	39	–	67	35	66	34	49	–
XL 213	49	–	67	35	66	34	49	–
Data cable: Ø7.0mm UTP & STP								
XL 201	33	–	56	29	33	–	–	–
XL 202	33	–	56	29	41	–	–	–
XL 203	41	–	56	29	41	–	–	–
XL 211	33	–	56	29	55	29	33	–
XL 212	33	–	56	29	55	29	41	–
XL 213	41	–	56	29	55	29	41	–
Data cable: Ø8.4mm UTP & STP								
XL 201	23	–	39	20	23	–	–	–
XL 202	23	–	39	20	29	–	–	–
XL 203	29	–	39	20	29	–	–	–
XL 211	23	–	39	20	38	20	23	–
XL 212	23	–	39	20	38	20	29	–
XL 213	29	–	39	20	38	20	29	–