

PVC-U DOMESTIC AND GENERAL TRUNKING

A range of cost-effective PVC-U
cable containment for domestic
and general wiring installations.



PVC-U DOMESTIC AND GENERAL TRUNKING

PVC-U domestic and general trunking

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.

We have a wide range of PVC-U domestic and general trunking solutions in different heights, designs, cable capacities for the distribution of power and data. Whatever the installation requirements, there will always be a perfect solution with Marshall-Tufflex.

Cable Management...we've got it covered

Standard colour

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

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.

Standard Colours		
WH	RD	BN
WH: White RD: Red BN: Brown		

Material	Standard colour	Colour code suffix	RAL
PVC-U	Solid White Red Brown	WH RD BN	9003 3020 8017

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

Special colours

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 colour 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.

Please note: these colours 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.



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.

Bench Trunking is available in Bio but not available as standard and is made to order and therefore 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.

Mini trunking**10 x 8mm to 75 x 16mm**

Range of small size containment for general wiring. Standard and self-fix options are available with 1 or 2 compartments.



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Cornice trunking**50 x 50mm**

A cornice containment system for distributing services around ceiling perimeters. This system can be used with Mini Trunking to supply switch drops and pendant lighting.



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Sovereign Plus**75 x 20mm**

Skirting trunking with one piece cover.



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Maxi trunking**50 x 50mm to 150 x 150mm**

A mid-size containment that can be subdivided for general wiring. Larger sizes can accommodate wiring accessories.



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Sceptre trunking**100 x 25mm and 100 x 40mm**

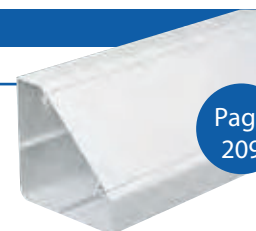
Smallest trunking system that can still accept a full range of standard wiring accessories. Suitable for unobtrusive, multiple outlet, surface installations.



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Bench trunking**105 x 105mm**

Robust angular containment for distributing services on the desktop or workbench. Can accept standard wiring accessories.



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

**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.
- 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.

**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

Mini trunking is an economical feeder trunking system with easy accessibility for wiring and re-wiring.

Product information

- A variety of sizes from 10 x 8mm to 75 x 16mm
- Single or divided compartment options
- Self-fix systems available

Data information

- 50mm radius fittings available for MMT4



Standard Colours		
WH	RD	BN
WH: White RD: Red BN: Brown		

Colour options: Red and Brown solid colour options are available as standard items for selected products. Please indicate when ordering by replacing the WH colour code suffix with either RD for red or BN for brown.

See page 198 for quick reference chart

Standard profiles



MMT0

code	size	pack
MMT0WH	16 x 10mm	40 x 3m



MMT1

code	size	pack
MMT1WH	16 x 16mm	30 x 3m



MMT2

code	size	pack
MMT2WH	25 x 16mm	30 x 3m

Red and brown available as standard colours



MMT3

code	size	pack
MMT3WH	38 x 16mm	15 x 3m



MMT3C - 2 compartment

code	size	pack
MMT3CWH	38 x 16mm	15 x 3m



MMT4

code	size	pack
MMT4WH	38 x 25mm	15 x 3m

Brown available as standard colour



MMT4C - 2 compartment

code	size	pack
MMT4CWH	38 x 25mm	15 x 3m



MMT5

code	size	pack
MMT5WH	50 x 25mm	12 x 3m



MMT6

code	size	pack
MMT6WH	38 x 38mm	6 x 3m

NEW

See page 239 for Firefly fire clips for Mini trunking

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Technical Information

Self fixing profiles

**MMT00SF**

code	size	pack
MMT00SFWH	10 x 8mm	40 x 3m

Brown available as standard colour

**MMT0SF**

code	size	pack
MMT0SFWH	16 x 10mm	40 x 3m

**MMT1SF**

code	size	pack
MMT1SFWH	16 x 16mm	30 x 3m

**MMT2SF**

code	size	pack
MMT2SFWH	25 x 16mm	30 x 3m

Red and brown available as standard colours

**MMT3SF**

code	size	pack
MMT3SFWH	38 x 16mm	15 x 3m

**MMT4SF**

code	size	pack
MMT4SFWH	38 x 25mm	15 x 3m

Brown available as standard colour

Components

**Ceiling rose adaptor**

code	size	pack
TCR2WH	2 K.O. for MMT1	10
	2 K.O. for MMT2	

Designed to accept all popular makes of ceiling rose. Supplied with fixing screws. Fixing centres 50.8mm. Internal depth 12mm. External diameter 81mm

**Surface box adaptors**

code	size	pack
TA0WH	MMT0	50
TA1WH	MMT1	50
TA2WH	MMT2	50
TA3WH	MMT3	20

TA0 fits MMT1-KO

**Tapered adaptors**

MMT1 & 2 to fit TA3 aperture

code	size	pack
TA3/1LHWH	MMT1	20
TA3/1RHWH	MMT1	20
TA3/1CWH	MMT1	20
TA3/2LHWH	MMT2	20
TA3/2RHWH	MMT2	20
TA3/2CWH	MMT2	20

**Conduit to mini adaptor**

code	size	pack
TAC1/2WH	MMT1/20mm round	20

Accessories



NEW

PVC pipe cutter

code	pack
MTPC42	1



Please note

There are no fittings for MMT00SF, MMT0WH, and MMT0SFWH.

Couplers

External
coupler

End caps

End
cap



MMT1WH
MMT1SFWH
16 x 16mm



TC1WH
Pack 40

TEC1WH
Pack 100

MMT2WH
MMT2SFWH
25 x 16mm



TC2WH*
Pack 40

TEC2WH*
Pack 100

MMT3WH
MMT3SFWH
38 x 16mm



TC3WH
Pack 25

TEC3WH
Pack 50

MMT3CWH
38 x 16mm



TC3WH
Pack 25

TEC3WH
Pack 50

MMT4WH
MMT4SFWH
38 x 25mm



TC4WH**
Pack 25

TEC4WH**
Pack 30

MMT4CWH
38 x 25mm



TC4WH
Pack 25

TEC4WH
Pack 30

MMT5WH
50 x 25mm



TC5WH
Pack 20

TEC5WH
Pack 20

MMT6WH
38 x 38mm



TC6WH
Pack 10

TEC6WH
Pack 20

Internal bends

Square
internal bend

Radius internal
bend cover

**External bends**

Square
external bend

Radius external
bend assembly

Radius external
bend cover

...DATA...

...DATA...

...DATA...



MMT1WH
MMT1SFWH
16 x 16mm



TIB1WH
Pack 50

—

TEB1WH
Pack 50

—

—

MMT2WH
MMT2SFWH
25 x 16mm



TIB2WH*
Pack 30

—

TEB2WH*
Pack 30

—

—

MMT3WH
MMT3SFWH
38 x 16mm



TIB3WH
Pack 25

—

TEB3WH
Pack 25

—

—

MMT3CWH
38 x 16mm



TIB3WH
Pack 25

—

TEB3WH
Pack 25

—

—

MMT4WH
MMT4SFWH
38 x 25mm



TIB4WH**
Pack 25

TIDB4CWH
Pack 1

TEB4WH**
Pack 25

TEDB4WH
Pack 1

TEDB4CWH
Pack 1

MMT4CWH
38 x 25mm



TIB4WH
Pack 25

—

TEB4WH
Pack 25

—

—

MMT5WH
50 x 25mm



TIB5WH
Pack 20

—

TEB5WH
Pack 20

—

—

MMT6WH
38 x 38mm



TIB6WH
Pack 10

—

TEB6WH
Pack 10

—

—

Tees								
Square equal tee	Radius equal tee assembly	Radius equal tee cover	Square unequal tee	Radius unequal tee assembly	Radius unequal tee cover	Ceiling tee	Offset ceiling tee	Angle tee
	DATA....	DATA....		DATA....	DATA....			
TT1-1WH Pack 20	—	—	—	—	—	TCT1/1WH Pack 10	—	—
TT2-2WH* Pack 30	—	—	TT2-1WH Pack 30	—	—	TCT2/1WH TCT2/2WH Pack 10	TOCT2/1WH TOCT2/2WH Pack 10	TAT2LHWH TAT2RHWH Pack 10
TT3-3WH Pack 25	—	—	TT3-1WH TT3-2WH Pack 20	—	—	—	—	—
TT3-3WH Pack 25	—	—	TT3-1WH TT3-2WH Pack 20	—	—	—	—	—
TT4-4WH** Pack 20	TDT4-4WH Pack 1	TDT4-4CWH Pack 1	TT4-1WH TT4-2WH TT4-3WH Pack 20	TDT4-2WH Pack 1	TDT4-2CWH Pack 1	TCT4/1WH TCT4/2WH Pack 10	—	—
TT4-4WH Pack 20	—	—	TT4-1WH TT4-2WH TT4-3WH Pack 20	—	—	TCT4/1WH TCT4/2WH Pack 10	—	—
TT5-5WH Pack 20	—	—	—	—	—	—	—	—
TT6-6WH Pack 10	—	—	—	—	—	—	—	—

Flat angles		
Square angle	Radius flat angle assembly	Square flat angle cover
	DATA....	DATA....
TFB1WH Pack 60	—	—
TFB2WH* Pack 30	—	—
TFB3WH Pack 25	—	—
TFB3WH Pack 25	—	—
TFB4WH** Pack 20	TFDB4WH Pack 1	TFDB4CWH Pack 1
TFB4WH Pack 20	—	—
TFB5WH Pack 20	—	—
TFB6WH Pack 10	—	—

* Red and brown available as standard colours

** Brown available as standard colour

Please note

There are no fittings for MMT00SF, MMT0WH, and MMT0SFWH.

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Technical
Information

1 gang accessory boxes - Square

Depth	Mini trunking sizes	Knockout entries	Code	Pack	
19mm	MMT1/2	LH, RH, Centre	MSSB28WH	20	
19mm	MMT3	LH, RH, Centre	MSSB110WH	20	
32mm	MMT1/2	LH, RH, Centre	MSSB35WH	20	
32mm	MMT3	LH, RH, Centre	MSSB116WH	20	
44mm	MMT2/3	Centre entry for both MMT2 and MMT3. RH and LH side entry for MMT2.	MSSB18WH	10	
44mm	MMT3	LH, RH, Centre	MSSB120WH	10	

1 gang accessory boxes - Radius

Depth	Mini trunking sizes	Knockout entries	Code	Pack	
19mm	MMT1/2	LH, RH, Centre	MSSB27WH	20	
19mm	MMT3	LH, RH, Centre	MSSB112WH	20	
32mm	MMT1/2	LH, RH, Centre	MSSB20WH	20	
32mm	MMT3	LH, RH, Centre	MSSB118WH	20	
44mm	MMT2/3	For MMT2 = 1 top entry centre For MMT3 = 1 bottom entry centre	MSSB42WH	10	
44mm	MMT3	LH, RH, Centre	MSSB122WH	10	

1 gang shrouded entry boxes – Square

Depth	Mini trunking sizes	Knockout entries	Code	Pack	
32mm	MMT2	With integral moulded MMT2 adaptor	MSSB15WH	20	

Cover plates – Square and radius

Depth	Mini trunking sizes	Description	Code	Pack	
2mm	N/A	Flat	MSCP2WH	20	
9mm	N/A	Raised	MSSP10WH	10	

Earth terminal

Size	Mini trunking sizes	Description	Code	Pack	
–	–	Brass earthing terminal – 15Amp rating	MET1	100	

2 gang boxes – Square

Depth	Mini trunking sizes	Knockout entries	Code	Pack	
32mm	MMT2	LH, RH, Centre	MSSB36WH	10	
32mm	MMT3	LH, RH, Centre	MSSB216WH	10	
44mm	MMT2	LH, RH, Centre	MSSB24WH	5	
44mm	MMT3	LH, RH, Centre	MSSB220WH	5	

2 gang boxes – Radius

Depth	Mini trunking sizes	Knockout entries	Code	Pack	
32mm	MMT2	LH, RH, Centre	MSSB22WH	10	
32mm	MMT3	LH, RH, Centre	MSSB218WH	10	
44mm	MMT2/3	Centre entry	MSSB43WH	5	
44mm	MMT3	LH, RH, Centre	MSSB222WH	5	

2 x 1 gang box – Radius

Depth	Mini trunking sizes	Knockout entries	Code	Pack	
32mm	MMT2	2 x 1 gang MMT2 centre and side entry	MSSB82WH	10	

2 gang shrouded entry boxes – Square and radius

Depth	Mini trunking sizes	Knockout entries	Code	Pack	
35mm	MMT2/3	Side entries permit horizontal and vertical accessory mounting Shrouded 2-part entry boxes for use with MMT2 and 3 (25 x 16mm and 38 x 16mm)	MSSB200WH	10	

Cover plates – Square and radius

Depth	Mini trunking sizes	Description	Code	Pack	
2mm	N/A	Flat	MSCP3WH	10	
9mm	N/A	Raised	MSSP20WH	2	

Earth terminal

Depth	Mini trunking sizes	Description	Code	Pack	
–	–	Brass earthing terminal – 15Amp rating	MET1	100	

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Technical
Information

Sceptre trunking is the smallest trunking system that can still accept a full range of standard wiring accessories. It is suitable for unobtrusive, multiple outlet, surface installations.

Product information

- 100 x 25mm
- 100 x 40mm
- Can be subdivided
- Segregated accessory boxes

Standard colour
WH
WH: White

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



Can be subdivided to make 3 compartments

Trunking profiles

**Sceptre DTR2**

code	size	pack
DTR2WH	100 x 25mm	4 x 3m

**Sceptre DTR1**

code	size	pack
DTR1WH	100 x 40mm	4 x 3m

Fittings

**Coupler**

code	size	pack
DCJ2WH	100 x 25mm	5
DCJ1WH	100 x 40mm	5

**End cap**

code	size	pack
DEC2WH	100 x 25mm	5
DEC1WH	100 x 40mm	5

**Internal corner**

code	size	pack
DIB2MWH	100 x 25mm	5
DIB1WH	100 x 40mm	5

**External corner**

code	size	pack
DEB2MWH	100 x 25mm	5
DEB1WH	100 x 40mm	5

**Flat angle**

code	size	pack
DFB2MWH	100 x 25mm	5
DFB1WH	100 x 40mm	5

**Flat tee (fabricated)**

code	size	pack
DFT2WH	100 x 25mm	1
DFT1WH	100 x 40mm	1

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Technical
Information

Components



Dividing fillets

code	size	pack
DDF2	25mm	10 x 3m
DDF1	40mm	10 x 3m



Cable retainer

code	size	pack
TCRS100	100mm	10

Boxes and Plates



1 gang accessory box

code	pack
TSS01WH	10



2 gang accessory box

code	pack
TSS02WH	5



1 gang accessory plate

code	pack
MTSPS1WH	15

Note: For use with both DTR1 and DTR2



2 gang accessory plate

code	pack
MTSPS2WH	15

Note: For use with both DTR1 and DTR2

Assembly

The segregated accessory box has a 2 part assembly and an internal depth of 25mm. It is for use with DTR1 (100 x 40mm) trunking only.



A mid-size feeder and distribution trunking that can be subdivided to carry power and data. Larger sizes can also accommodate wiring accessories.

Product information

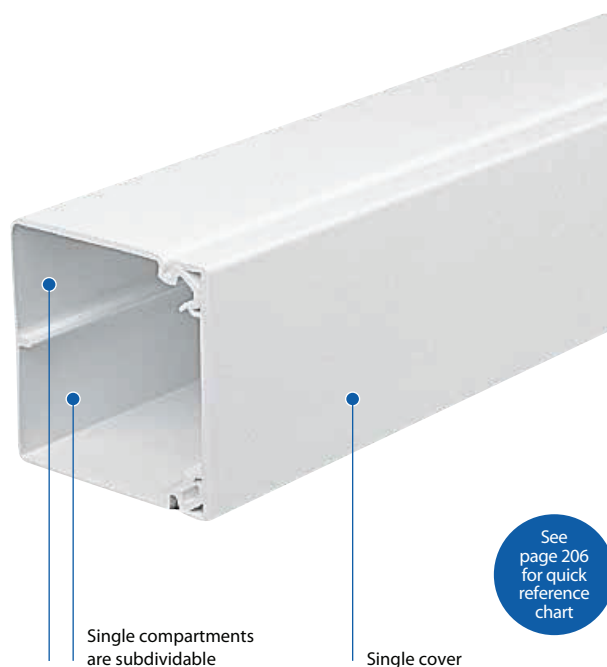
- A variety of sizes from 50 x 50mm to 150 x 150mm
- Single or divided compartment options

Data information

- Fabricated data slow bends

Standard colour
WH
WH: White

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



Single compartments are subdividable

Single cover

See page 206 for quick reference chart

Trunking profiles



MTR550

code	size	pack
MTRS50WH	50 x 50mm	8 x 3m



MTR75/50

code	size	pack
MTRS75/50WH	75 x 50mm	4 x 3m



MTR75

code	size	pack
MTRS75WH	75 x 75mm	4 x 3m



MTR100/50

code	size	pack
MTRS100/50WH	100 x 50mm	4 x 3m



MTR100

code	size	pack
MTRS100WH	100 x 100mm	4 x 3m



MTR150

code	size	pack
MTRS150WH	150 x 150mm	2 x 3m

NEW

See page 239 for Firefly fire clips for Mini trunking

Fittings



Mini trunking adaptor

code	size	pack
TTA2WH	MMT2	10
TTA4WH	MMT4	10

Note: only for 50mm trunking depth

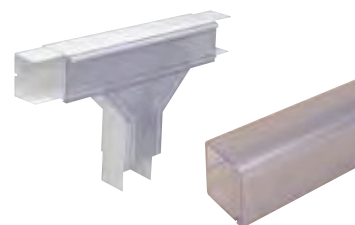


Flanged coupler

code	size	pack
TTRS1WH	MTRS100 TO MTRS100/50	1
TTRS2WH	MTRS100 TO MTRS75	1
TTRS3WH	MTRS100 TO MTRS75/50	1
TTRS4WH	MTRS100 TO MTRS50	1
TTRS5WH	MTRS100/50 TO MTRS75/50	1
TTRS6WH	MTRS100/50 TO MTRS50	1
TTRS7WH	MTRS75 TO MTRS75/50	1
TTRS8WH	MTRS75 TO MTRS50	1
TTRS9WH	MTRS75/50 TO MTRS50	1
TTRS10WH	MTRS150 TO MTRS100	1
TTRS11WH	MTRS150 TO MTRS75	1

Clear maxi trunking (MTRS50, MTRS100, MTRS100/50 and fabricated fittings only)

Is available and particularly useful for high security installations. For further information please contact our technical team on +44 (0)1424 856688. This range is subject to a set up charge.



Fittings

**Spacer – 25mm**

code	pack
MTRS100LID25WH	20

For use between
accessory boxes

**Clip on fittings**

For individual components and part
numbers please refer to fittings chart
on next page.

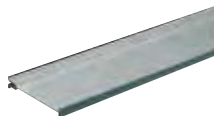
**Fabricated fittings**

For individual components and part
numbers please refer to fittings chart
on next page.

**Slow bend fittings for data**

For individual components and part
numbers please refer to fitting chart
on next page.

Components

**Dividing fillet**

code	system	pack
MDFS50	50 x 50mm	10 x 3m
	75 x 50mm	
	100 x 50mm	
MDFS75	75 x 75mm	10 x 3m
MDFS100	100 x 100mm	10 x 3m
MDFS150	150 x 150mm	10 x 3m

Boxes and Plates

***RCD/MCB housing**

code	pack
TAHC1WH	1

*Up to 4 modules can be
accommodated

Note: RCDs and MCBs are not
supplied by Marshall-Tufflex

**1 gang accessory box**

code	pack
TSS03WH*	20

For MTRS100/50 and MTRS100.

*Internal depth 30mm

**2 gang accessory box**

code	pack
TSS04WH*	10

For MTRS100/50 and MTRS100.

*Internal depth 30mm

**1 gang accessory plate**

code	pack
MTSPS1WH	15

For MTRS100/50 and MTRS100

**2 gang accessory plate**

code	pack
MTSPS2WH	15

For MTRS100/50 and MTRS100

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Technical
Information

MTRS50WH

50 x 50mm

**MTRS75/50WH**

75 x 50mm

**MTRS75WH**

75 x 75mm

**MTRS100/50WH**

100 x 50mm

**MTRS100WH**

100 x 100mm

**MTRS150WH**

150 x 150mm

**Fittings**

Dividing fillet	Cable retainer	External coupler	Internal coupler	Flanged coupler	End cap
MDFS50 Pack 10 x 3m	TCRS50 Pack 10	TCCS50WH Pack 10	TICS50WH Pack 10	TFCS50WH Pack 1	TECS50WH Pack 10
MDFS50 Pack 10 x 3m	TCRS75 Pack 10	TCCS75/50WH Pack 10	TICS75/50WH Pack 10	TFCS75/50WH Pack 1	TECS75/50WH Pack 10
MDFS75 Pack 10 x 3m	TCRS75 Pack 10	TCCS75WH Pack 10	TICS75WH Pack 5	TFCS75WH Pack 1	TECS75WH Pack 5
MDFS50 Pack 10 x 3m	TCRS100 Pack 10	TCCS100/50WH Pack 10	TICS100/50WH Pack 5	TFCS100/50WH Pack 1	TECS100/50WH Pack 5
MDFS100 Pack 10 x 3m	TCRS100 Pack 10	TCCS100WH Pack 2	TICS100WH Pack 5	TFCS100WH Pack 1	TECS100WH Pack 5
MDFS150 Pack 10 x 3m	TCRS150 Pack 5	—	TICS150WH Pack 5	—	TECS150WH Pack 1

Flat angles

90° flat angle (clip-on)	90° flat angle (moulded)	90° flat angle (fabricated)	90° data flat angle (fabricated)	135° flat angle (fabricated)
TFAS50CWH Pack 1	TFAS50MWH Pack 1	TFAS50FWH Pack 1	TFAS50SBWH Pack 1	TFAS50ABWH Pack 1
—	TFAS75/50MWH Pack 1	TFAS75/50FWH Pack 1	—	TFAS75/50ABWH Pack 1
—	TFAS75MWH Pack 1	TFAS75FWH Pack 1	TFAS75SBWH Pack 1	TFAS75ABWH Pack 1
TFAS100/50CWH Pack 1	—	TFAS100/50FWH Pack 1	—	TFAS100/50ABWH Pack 1
—	—	TFAS100FWH Pack 1	TFAS100SBWH Pack 1	TFAS100ABWH Pack 1
—	—	TFAS150FWH Pack 1	—	—

MTRS50WH

50 x 50mm

**MTRS75/50WH**

75 x 50mm

**MTRS75WH**

75 x 75mm

**MTRS100/50WH**

100 x 50mm

**MTRS100WH**

100 x 100mm

**MTRS150WH**

150 x 150mm



Internal bends					External bends				
Internal 90° bend (clip-on)	Internal 90° bend (moulded)	Internal 90° bend (fabricated)	Internal 90° Data bend (fabricated)	Internal 135° Data bend (fabricated)	External 90° bend (clip-on)	External 90° bend (moulded)	External 90° bend (fabricated)	External 90° Data bend (fabricated)	External 135° bend (fabricated)
									
TIAS50CWH Pack 1	TIAS50MWH Pack 1	TIAS50FWH Pack 1	TIAS50SBWH Pack 1	TIAS50ABWH Pack 1	TOAS50CWH Pack 1	TOAS50MWH Pack 1	TOAS50FWH Pack 1	TOAS50SBWH Pack 1	TOAS50ABWH Pack 1
—	—	TIAS75/50WH Pack 1	—	TIAS75/50ABWH Pack 1	—	—	TOAS75/50WH Pack 1	—	TOAS75/50ABWH Pack 1
—	—	TIAS75WH Pack 1	TIAS75SBWH Pack 1	TIAS75ABWH Pack 1	—	—	TOAS75WH Pack 1	TOAS75SBWH Pack 1	TOAS75ABWH Pack 1
TIAS100/50CWH Pack 1	—	TIAS100/50WH Pack 1	—	TIAS100/50ABWH Pack 1	TOAS100/50CWH Pack 1	—	TOAS100/50WH Pack 1	—	TOAS100/50ABWH Pack 1
—	—	TIAS100WH Pack 1	TIAS100SBWH Pack 1	TIAS100ABWH Pack 1	—	—	TOAS100WH Pack 1	TOAS100SBWH Pack 1	TOAS100ABWH Pack 1
—	—	TIAS150WH Pack 1	—	—	—	—	TOAS150WH Pack 1	—	—

Tees					Crossovers	
Flat tee (moulded)	Flat tee (fabricated)	Data flat tee (gusseted)	External edge tee (fabricated)	Internal edge tee (fabricated)	Flat crossover (fabricated)	Data flat crossover (gusseted)
						
—	TFTS50WH Pack 1	TFTS50GTWH Pack 1	TTES50WH Pack 1	TTIS50WH Pack 1	TCUS50WH Pack 1	TCUS50GTWH Pack 1
TFTS75/50MWH Pack 1	TFTS75/50WH Pack 1	—	TTES75/50WH Pack 1	TTIS75/50WH Pack 1	TCUS75/50WH Pack 1	—
—	TFTS75WH Pack 1	TFTS75GTWH Pack 1	TTES75WH Pack 1	TTIS75WH Pack 1	TCUS75WH Pack 1	TCUS75GTWH Pack 1
—	TFTS100/50WH Pack 1	—	TTES100/50WH Pack 1	TTIS100/50WH Pack 1	TCUS100/50WH Pack 1	—
—	TFTS100WH Pack 1	TFTS100GTWH Pack 1	TTES100WH Pack 1	TTIS100WH Pack 1	TCUS100WH Pack 1	TCUS100GTWH Pack 1
—	TFTS150WH Pack 1	—	TTES150WH Pack 1	TTIS150WH Pack 1	TCUS150WH Pack 1	—

Firefly

NEW
p239

Firefly fire safety clips Saving lives in the event of a fire

firefly™
FIXINGS
from Marshall-Tufflex

To comply with the latest fire regulations, Marshall-Tufflex supply a range of Firefly fire clips to secure cables within or outside of mini trunking, maxi trunking or conduit. The clips are designed to prevent cables from falling in the event of a fire, keeping escape routes free and accessible.

- Fire safety clips to comply with BS 5839-1
- For use within mini trunking, maxi trunking and conduit
- Spring loaded design for easy installation or removal of cables
- Designed for quick installation and to maximise internal trunking space
- Internal version to fit within trunking prior to cables being installed
- External version to retrofit onto existing installations
- Melt point over 1000°C
- Kits available including all required fixings/screws ready for installation



New regulations

New regulations came into effect in July 2015, prohibiting the use of non-metallic clips or plastic trunking as being the sole means of support for cables. Firefly clips meet the requirements of BS7671:2015 Wiring Regulations to secure all surface cables in escape routes, preventing people from becoming entangled and allowing escape.

Firefly clips feature rounded ends, preventing damage to cables and injury to installers. The spring-loaded design makes it straightforward to install and to add or remove cables after the initial installation.

BS7671:2015 521.11.201

Wiring systems in escape routes shall be supported in such a way that they will not be liable to premature collapse in the event of fire.

See page 239 for product ordering information.

Bench trunking is a robust angled trunking that can be mounted directly on to desks, work benches or fitted under shelving.

Product information

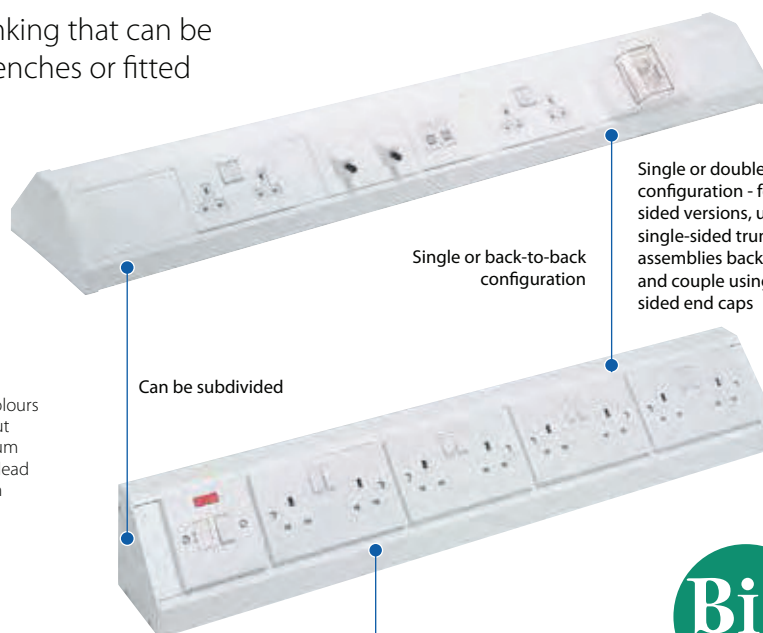
- 105 x 105mm
- Suitable for desk, bench or worktop applications
- Can be subdivided
- Fully compatible with Marshall-Tufflex and UK standard power and data accessories

Data information

- Adjustable data box 32-47mm

Standard colour
WH
WH: White

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



'Bio option' available to special order

Part M

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



Trunking Profiles

**Trunking assembly**

code	size	pack
MBT105WH	105 x 105mm	2 x 3m

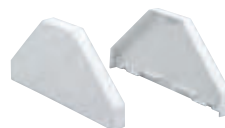
Bench units

**Coupler**

code	pack
BTC105WH	1

**Single sided end caps**

code	pack
BEC105WH	2

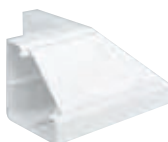
**Double sided end caps**

code	pack
BECP210WH	2

**Internal bend**

code	pack
BIA105WH	1

Couplers required with bends

**External bend**

code	pack
BEA105WH	1

Couplers required with bends

Components

**Dividing fillet**

code	pack
BDF105WH	4 x 3m

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Technical Information

Bench units



1 gang single sided unit

code	pack
MBU1WH	1



1 gang double sided unit

code	pack
MDBU1WH	1



2 gang single sided unit

code	pack
MBU2WH	1



2 gang double sided unit

code	pack
MDBU2WH	1

1 plus 2 gang
single sided unit

code	pack
MBU3WH	1

1 plus 2 gang
double sided unit

code	pack
MDBU3WH	1

Boxes and plates



*RCD/MCB housing

code	pack
BAHC1MWH	1

*Up to 4 modules can be accommodated

Note: RCDs and MCBs 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

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.

13Amp DP
1 gang switched socket
front fix

code	pack
ESS1WH	1

13Amp DP
2 gang switched socket
Twin earth, front fix

code	pack
ESS2WH	1

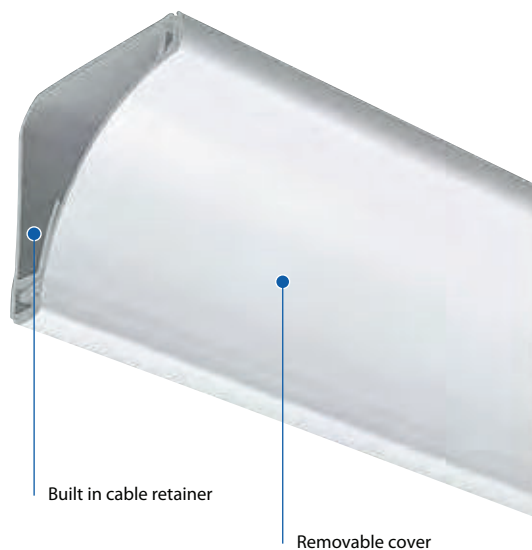
Cornice trunking provides elegant and unobtrusive concealment for surface wiring around ceilings.

Product information

- 50 x 50mm
- Designed for use with MMT1 and MMT2 mini trunking (see page 196)
- Adaptors available for cable runs across ceilings or down walls
- Built in cable retainer
- Use with mini trunking to supply pendant drops and surface accessories
- Removable cover

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.



Trunking Profile



Cornice trunking

code	size	pack
MCT1WH	50 x 50	8 x 3m

Fittings



Coupler

code	pack
MCTC1WH	10



End cap

code	pack
MCEC1WH	10



Internal bend

code	pack
MCIB1WH	10



External bend

code	pack
MCEB1WH	10



Cable retainer

code	pack
MCBP1	10



Corner adaptor LH to Mini trunking

code	size	pack
MCCD1LHWH	MMT1	10
MCCD2LHWH	MMT2	10



Corner adaptor RH to Mini trunking

code	size	pack
MCCD1RHWH	MMT1	10
MCCD2RHWH	MMT2	10



Corner adaptor to Angled cableway

code	pack
12007WH	10



Trunking adaptor to MMT1 Mini trunking

code	pack
MCTA1WH	10



Trunking adaptor to MMT2 Mini trunking

code	pack
MCTA2WH	10

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Technical
Information

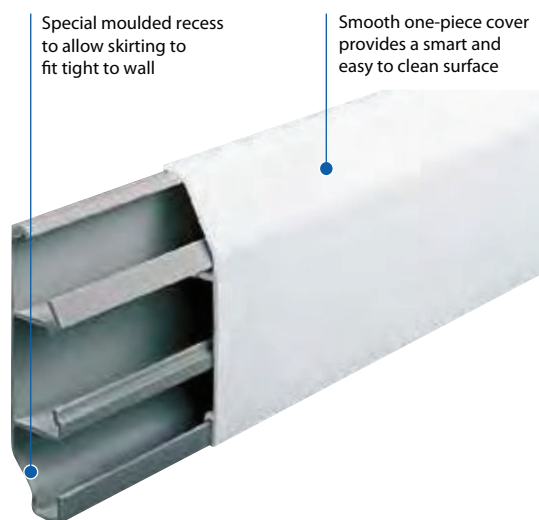
Sovereign Plus skirting trunking is a slim trunking system suitable for installation into hotels, small offices and houses.

Product information

- 75 x 20mm
- 3 compartments
- Suitable for skirting applications
- Overlapping fittings
- Accessory boxes designed to accept square and radius corner accessories
- Can be used with mini trunking

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.



Trunking profile



Skirting trunking

code	size	pack
JE03WH	75 x 20	8 x 3

Fittings



Coupler

code	pack
JM22WH	20



End cap

code	size	pack
JM21WH	(left hand)	5
JM20WH	(right hand)	5



Internal bend

code	pack
JM23WH	10



External bend

code	pack
JM24WH	10



Cable retainer

code	pack
JM28	100



MMT2 adaptor (in line)

code	size	pack
JM25WH	25 x 16	5

Boxes and Plates



1 gang skirting accessory box

code	depth	pack
JM41WH	32mm	5



2 gang skirting accessory box

code	depth	pack
JM42WH	32mm	3

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Technical
Information

Bench trunking

Material

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

Installation

Positioning

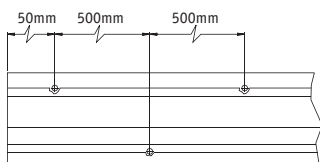
If used as a skirting system, a clearance of 5mm is recommended above the floor covering to allow the profile fittings to clip over the cover. Bench and desk installations: a single run can be fitted to rear of furniture or, if run down centre line, two units can be joined back to back presenting accessories on both sides.

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 allow for thermal expansion of the covers.

Fitting

- Secure trunking base in one plane only every 500mm by drilling alternative 6mm holes either side of divider nib.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To provide cable segregation, dividing fillets are snapped on to internal nibs in base.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External profile fittings overlap joints by up to 10mm to cover cutting inaccuracies.
- Accepts Marshall-Tufflex and standard UK wiring and data accessories.



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 are prefabricated.
- External moulded fittings overlap the joints to cover cutting inaccuracies.
- Couplers are required to align and join bend assemblies to trunking.
- Secure end caps using solvent adhesive MSC3.

Accessory boxes

- Remove the appropriate knock out that aligns with segregated compartment containing supply cable and clip the box into the 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 cover is butt-joined to the edge of the box. Cut edges of the cover are concealed by the accessory. For couplers, a gap of 25mm is left between the two cover ends to permit the fitting to clip to base.

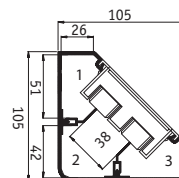
Covers – removal

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

Antimicrobial

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

Dimensions



Bench trunking – with box

- 1 = 1285mm² total area
- 1 = 578mm² 45% space factor
- 2 = 2128mm² total area
- 2 = 957mm² 45% space factor
- 3 = 1285mm² total area
- 3 = 578mm² 45% space factor

Bench trunking – no box

- 1 = 1782mm² total area
- 1 = 802mm² 45% space factor
- 2 = 3282mm² total area
- 2 = 1477mm² 45% space factor
- 3 = 1782mm² total area
- 3 = 802mm² 45% space factor

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.

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Product
Information

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	100	72	185	120	100	72
PVC power cable 2.5mm ² stranded copper	67	49	124	80	67	49
PVC power cable 4.0mm ² stranded copper	48	35	89	58	48	35
Data cable: Ø5.5mm	34	24	62	40	34	24
Data cable: Ø6.0mm	28	20	52	34	28	20
*Data cable: Ø6.5mm	25	18	46	30	25	18
*Data cable: Ø7.0mm	21	15	38	25	21	15
*Data cable: Ø8.4mm	14	10	27	17	14	10

*Only for straight runs. If bends are required please contact the Technical Team on +44 (0)1424 856688.

Cornice trunking

Material

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

Installation

Positioning

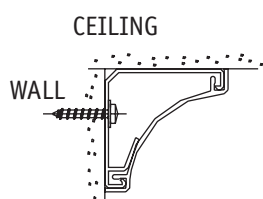
For surface wiring around ceilings.

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 allow for thermal expansion of the covers.

Fitting

- Secure trunking base in one plane every 500mm by drilling 6mm holes in the wall side of the trunking and use 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 profile fittings overlap joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.



Joints and bends

- Base joints should have a 3mm gap to allow for expansion.
- Base must be mitred 45° to ensure total closure of trunking.
- End caps with clips ensure security of trunking.

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

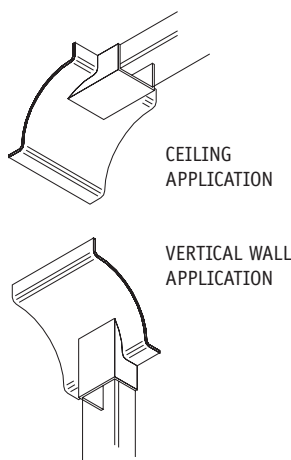
Covers are clipped into place from front. For external moulded fittings, a gap of 25mm is left between the two cover ends to permit the fitting to clip to base.

Covers – removal

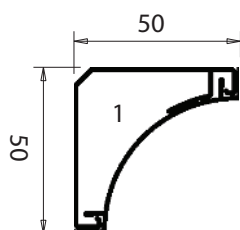
To remove a cover, first remove a fitting to gain access. Insert blade of terminal screwdriver between captive legs of cover and base and gently ease off.

Accessories

Accessories are serviced through a spur using a mini trunking adaptor and mini trunking across the ceiling to a pendant drop or down the wall to an appropriate accessory box.



Dimensions



1 = 837mm² total area
1 = 376mm² 45% space factor

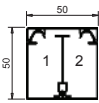
Cable capacities

- All calculations allow for a 45% space factor.

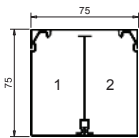
As there can be differences between data cable sizes, Marshall-Tufflex recommend that cable dimensions are confirmed with the manufacturing company.

Cable capacity chart	Cable factor	Compartment 1
PVC power cable 1.5mm ² stranded copper	8.0	47
PVC power cable 2.5mm ² stranded copper	11.9	31
PVC power cable 4.0mm ² stranded copper	16.6	22
Data cable: Ø5.5mm	23.8	15
Data cable: Ø6.0mm	28.3	13
Data cable: Ø6.5mm	33.2	11
Data cable: Ø7.0mm	38.5	9
Data cable: Ø8.4mm	55.4	6

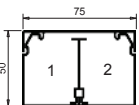
Maxi and Sceptre trunking

**Maxi MTRS50**

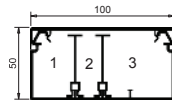
Total = 1979mm² total area
 Total = 890mm² 45% space factor
 1 & 2 = 911mm² total area
 1 & 2 = 410mm² 45% space factor

**Maxi MTRS75**

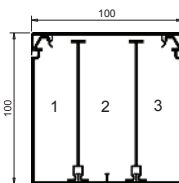
Total = 4709mm² total area
 Total = 2119mm² 45% space factor
 1 & 2 = 2196mm² total area
 1 & 2 = 988mm² 45% space factor

**Maxi MTRS75/50**

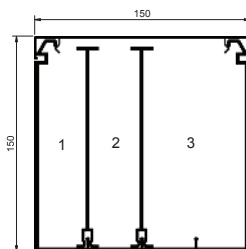
Total = 3032mm² total area
 Total = 1365mm² 45% space factor
 1 & 2 = 1347mm² total area
 1 & 2 = 606mm² 45% space factor

**Maxi MTRS100/50**

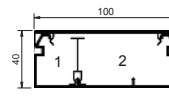
Total = 4040mm² total area
 Total = 1818mm² 45% space factor
 1 = 1056mm² total area
 1 = 475mm² 45% space factor
 2 = 660mm² total area
 2 = 297mm² 45% space factor
 3 = 1829mm² total area
 3 = 823mm² 45% space factor

**Maxi MTRS100**

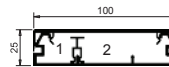
Total = 8733mm² total area
 Total = 3930mm² 45% space factor
 1 = 2375mm² total area
 1 = 1069mm² 45% space factor
 2 = 1464mm² total area
 2 = 659mm² 45% space factor
 3 = 4075mm² total area
 3 = 1834mm² 45% space factor

**Maxi MTRS150**

Total = 20193mm² total area
 Total = 9087mm² 45% space factor
 1 = 4406mm² total area
 1 = 1983mm² 45% space factor
 2 = 4728mm² total area
 2 = 2128mm² 45% space factor
 3 = 9482mm² total area
 3 = 4267mm² 45% space factor

**Sceptre DTR1**

Total = 3168mm² total area
 Total = 1426mm² 45% space factor
 1 = 816mm² total area
 1 = 367mm² 45% space factor
 2 = 2002mm² total area
 2 = 901mm² 45% space factor

**Sceptre DTR2**

Total = 1731mm² total area
 Total = 779mm² 45% space factor
 1 = 435mm² total area
 1 = 196mm² 45% space factor
 2 = 1197mm² total area
 2 = 538mm² 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
*Data cable	Ø5.5mm	23.8
*Data cable	Ø6.0mm	28.3
*Data cable	Ø6.5mm	33.2
*Data cable	Ø7.0mm	38.5
*Data cable	Ø8.4mm	55.4

To determine cable capacity, select the size of the cable required and its corresponding cable factor from the table. Divide the compartment area figure (with or without 45% space factor) with the cable factor figure to achieve cable capacity.

Note: When 30mm deep accessory boxes are installed in MTRS100, MTRS100/50 and DTR1, reduce the area by 2600²mm.

For Data cable information, please see page 246

Maxi and Sceptre trunking – continued

Material

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

Installation

Positioning

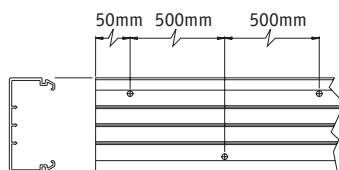
Feeder or distribution trunking.

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 allow for thermal expansion of the covers.

Fitting

- Secure trunking base in one plane only every 500mm by drilling alternate 6mm holes.
- Use roundhead screws.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To provide cable segregation, dividing fillets are snapped on to internal ribs in base.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External profile fittings overlap joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.
- Maxi only:** trunking lengths are connected using internal couplers as follows:
 - Cement one end of the internal coupler to one base using adhesive solvent MSC. Leave other end of coupler free in adjoining base to facilitate thermal movement.

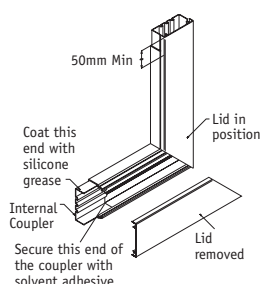


Single lengths

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

- Clip-on fittings and 2-part moulded flat angle: base must be mitred at 45° to ensure total enclosure of trunking, including any internal fitted segregator.
- Fabricated fittings: a 3mm gap between trunking base and bend or flat angle is recommended.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- Maxi fabricated fittings are supplied with internal couplers (see Fittings)
- Secure end caps using solvent adhesive MSC3.



Accessories

- Sceptre DTR1, Maxi MTRS100/50 and MTRS100:** accessory boxes and plates can be used.
- Remove appropriate knockout and clip box into base.
- Sceptre DTR2:** only accessory plates can be used.
- When boxes or plates are installed consecutively, fit a 25mm cover spacer (MTRS100LID25WH) between the accessories to conceal space between the boxes.

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 cover is butt-joined to the edge of the box. Cut edges of the cover are concealed by the accessory. For external fitting couplers, the following gaps should be left between the two cover ends to permit the fitting to clip to base:

DTR2	20mm
MTRS50	20mm
MTRS75	20mm
MTRS75/50	20mm
MTRS100/50	20mm
MTRS100	30mm

DTR1: DTR1 couplers are held in place by the two covers. To install, slide coupler up against first installed cover. Fit adjoining cover and slide up to coupler, ensuring the coupler moulding extends over the two covers.

Covers removal

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

Maxi and Sceptre trunking – continued

Maxi trunking Cable capacity chart	Total	Compartment 1	Compartment 2	Compartment 3
		With box	No box	With box
PVC power cable 1.5mm² stranded copper				
MTRS50	111	51	51	-
MTRS75	265	124	124	-
MTRS75/50	171	76	76	-
MTRS100/50	227	59	37	103
MTRS100	491	134	82	229
MTRS150	1136	248	266	533
PVC power cable 2.5mm² stranded copper				
MTRS50	75	34	34	-
MTRS75	178	83	83	-
MTRS75/50	115	51	51	-
MTRS100/50	153	40	25	69
MTRS100	330	90	55	154
MTRS150	764	167	179	359
PVC power cable 4.0mm² stranded copper				
MTRS50	54	25	25	-
MTRS75	128	60	60	-
MTRS75/50	82	37	37	-
MTRS100/50	110	29	18	50
MTRS100	237	64	40	110
MTRS150	547	119	128	257
Data cable: Ø5.5mm				
MTRS50	37	17	17	-
MTRS75	89	42	42	-
MTRS75/50	57	25	25	-
MTRS100/50	76	20	12	35
MTRS100	165	45	28	77
MTRS150	382	83	89	179
Data cable: Ø6.0mm				
MTRS50	31	14	14	-
MTRS75	75	35	35	-
MTRS75/50	48	21	21	-
MTRS100/50	64	17	10	29
MTRS100	139	38	23	65
MTRS150	321	70	75	151
Data cable: Ø6.5mm				
MTRS50	28	13	13	-
MTRS75	66	31	31	-
MTRS75/50	42	19	19	-
MTRS100/50	56	15	9	26
MTRS100	122	33	20	57
MTRS150	282	62	66	133
Data cable: Ø7.0mm				
MTRS50	23	11	11	-
MTRS75	55	26	26	-
MTRS75/50	35	16	16	-
MTRS100/50	47	12	8	21
MTRS100	102	28	17	48
MTRS150	236	51	55	111
Data cable: Ø8.4mm				
MTRS50	16	7	7	-
MTRS75	38	18	18	-
MTRS75/50	25	11	11	-
MTRS100/50	33	9	5	15
MTRS100	71	19	12	33
MTRS150	164	36	38	77

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.

Sceptre trunking Cable capacity chart	Total	Compartment 1	Compartment 2
		No box	No box
PVC power cable 1.5mm ² stranded copper			
DTR1	178	46	113
DTR2	97	24	67
PVC power cable 2.5mm ² stranded copper			
DTR1	120	31	76
DTR2	65	16	45
PVC power cable 4.0mm ² stranded copper			
DTR1	86	22	54
DTR2	47	12	32
Data cable: Ø5.5mm			
DTR1	60	15	38
DTR2	33	8	23
Data cable: Ø6.0mm			
DTR1	50	13	32
DTR2	28	7	19
Data cable: Ø6.5mm			
DTR1	44	11	28
DTR2	24	6	17
Data cable: Ø7.0mm			
DTR1	37	10	23
DTR2	20	5	14
Data cable: Ø8.4mm			
DTR1	26	7	16
DTR2	14	4	10

Mini trunking

Material

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

Installation

Positioning

As feeder trunking.

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 allow for thermal expansion of the covers.

Fitting

- **Mini trunking**
- Secure trunking base at least every 375mm by drilling 6mm holes.
- Fasten using roundhead screws.
- **Self-fixing mini trunking**
- Remove protective film exposing 100-150mm of adhesive foam.
- Line up accurately and press firmly into position.
- Repeat until base is installed.
- For long term performance we recommend additional securing with screws and washers.

Note: the bond created by the tape can be very strong. Maximum adhesion occurs after 24 hours. Ensure surface is dust-free, dry, clean and flat. Uneven surface contact will reduce bonding performance. Installation in cold conditions below +5°C may affect adhesion.

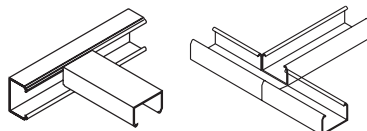
Mini and Mini SF trunking

- 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 profile fittings overlap joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.
- End caps are secured using adhesive solvent MSC.

Joints and bends

- All fittings incorporate clip-on design.
- 3mm gap between trunking base and bend or flat angle is recommended.

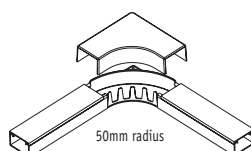
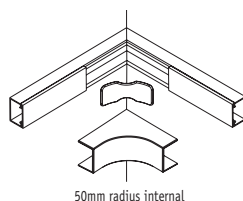
- For internal bends and flat angles, bases should be mitred 45°.
- For external bends, bases should be cut square to the corner.
- For tees, bases should be cut square and butt up to each other.



- External clip on fittings overlap trunking base by up to 10mm to cover cutting inaccuracies.
- Secure end caps using solvent adhesive MSC3.

Bend radius control – MMT4 only

- For internal bends, base should be mitred at 45°
- For external bends, base should be cut square with the corner and the radius control fitted.
- For flat angles and tees, allowance should be made when cutting base, for moulded components.



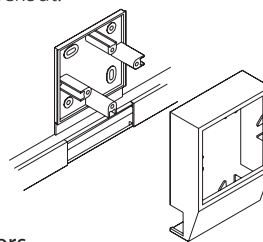
Accessory boxes

- Select appropriate surface box.
- Remove required knockout.
- Clean burrs from around aperture.
- Snap mini adaptor into position on box and place in position.
- Ensure trunking seats securely into adaptor.
- Secure box using diagonally opposite fixing holes.

Shrouded entry boxes

- For use with MMT2 or MMT3 only.
- Fit back plate in position, secure using diagonally opposite fixing holes.
- Run mini base up to back plate (for terminal accessory) or continue through.
- Remove required knockout from outer cover to fit mini trunking and fit over base plate. Install wiring leaving sufficient to wire accessory.

- Complete assembly is finally secured together when the wired accessory is screwed to accessory front plate.
- Fit mini trunking cover to base, ensuring cover extends into knockout.



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.

Covers – removal

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

Cable capacities

- All calculations allow for a 45% space factor.
- Divide cable factor (1st table) into capacity (2nd table) to ascertain number of cables.

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

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
*Data cable	Ø5.5mm	23.8
*Data cable	Ø6.0mm	28.3
*Data cable	Ø6.5mm	33.2
*Data cable	Ø7.0mm	38.5
*Data cable	Ø8.4mm	55.4

Mini trunking	Size mm	45% capacity
MMT100	10 x 8	18.5mm ²
MMT0	16 x 10	42mm ²
MMT1	16 x 16	77.2mm ²
MMT2	25 x 16	119.7mm ²
MMT3	38 x 16	193mm ²
MMT4	38 x 25	342mm ²
MMT5	50 x 25	449mm ²
MMT6	38 x 38	501mm ²
MMT7	75 x 16	397mm ²

Sovereign Plus trunking

Material

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

Installation

Positioning

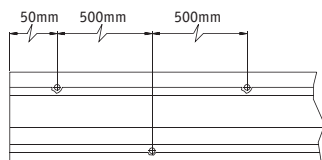
Suitable for skirting and architrave installation. When used as a skirting system, sufficient clearance should be allowed between the floor covering and the profile fittings that clip over the cover i.e. 5mm + floor covering is recommended.

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 allow for thermal expansion of the covers.

Fitting

- Secure base every 500mm by drilling alternate 6mm in the two outer slots provided.
- Secure using No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement. Internal couplers on base units not required.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External profile fittings overlap joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.
- For segregation, use the cable retainers to retain cables in correct compartments.



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

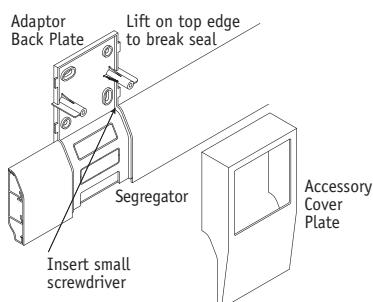
- Base joints should have a 3mm gap to allow for expansion.
- Mitre bases for internal bends, external bends and flat angles at 45° to ensure total enclosure of trunking.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- Trunking cover holds external moulded fittings in place when they are clipped on to base.

Bend radius control

Not available.

Accessory boxes

- Mounted on to trunking body with accessory external to the trunking.
- Remove required knockout in back segregator plate that aligns with trunking cable compartment.
- Clip to trunking base and secure to wall surface using 2 diagonally opposite fixing holes.
- Feed cables through knockout.
- After trunking cover has been fitted to base, clip front cover plate to back plate.
- Complete assembly is finally secured together when the wired accessory is screwed to accessory front plate.



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, covers are butt-joined to the edge of the box assembly. Cut edges of the cover are concealed by the accessory. For fittings, a gap of 4mm is left between the two cover ends to permit the fitting to clip to base.

Covers – removal

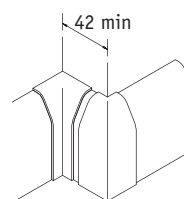
To remove a cover, isolate circuit and detach an accessory and front mounting component. Insert blade of screwdriver between captive legs of cover and gently peel off.

Screening

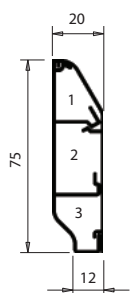
Not available.

Offset dimensions

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



Dimensions



Sovereign Plus skirting

- 1 = 238mm² total area
- 1 = 107mm² 45% space factor
- 2 = 416mm² total area
- 2 = 187mm² 45% space factor
- 3 = 261mm² total area
- 3 = 117mm² 45% space factor

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	No box	No box
PVC power cable 1.5mm ² stranded copper			
Sovereign Plus skirting	13	23	15
PVC power cable 2.5mm ² stranded copper			
Sovereign Plus skirting	9	16	10
PVC power cable 4.0mm ² stranded copper			
Sovereign Plus skirting	6	11	7
Data cable: Ø5.5mm			
Sovereign Plus skirting	5	8	5
Data cable: Ø6.0mm			
Sovereign Plus skirting	4	7	4
Data cable: Ø6.5mm			
Sovereign Plus skirting	3	6	4
Data cable: Ø7.0mm			
Sovereign Plus skirting	3	5	3
Data cable: Ø8.4mm			
Sovereign Plus skirting	2	3	2