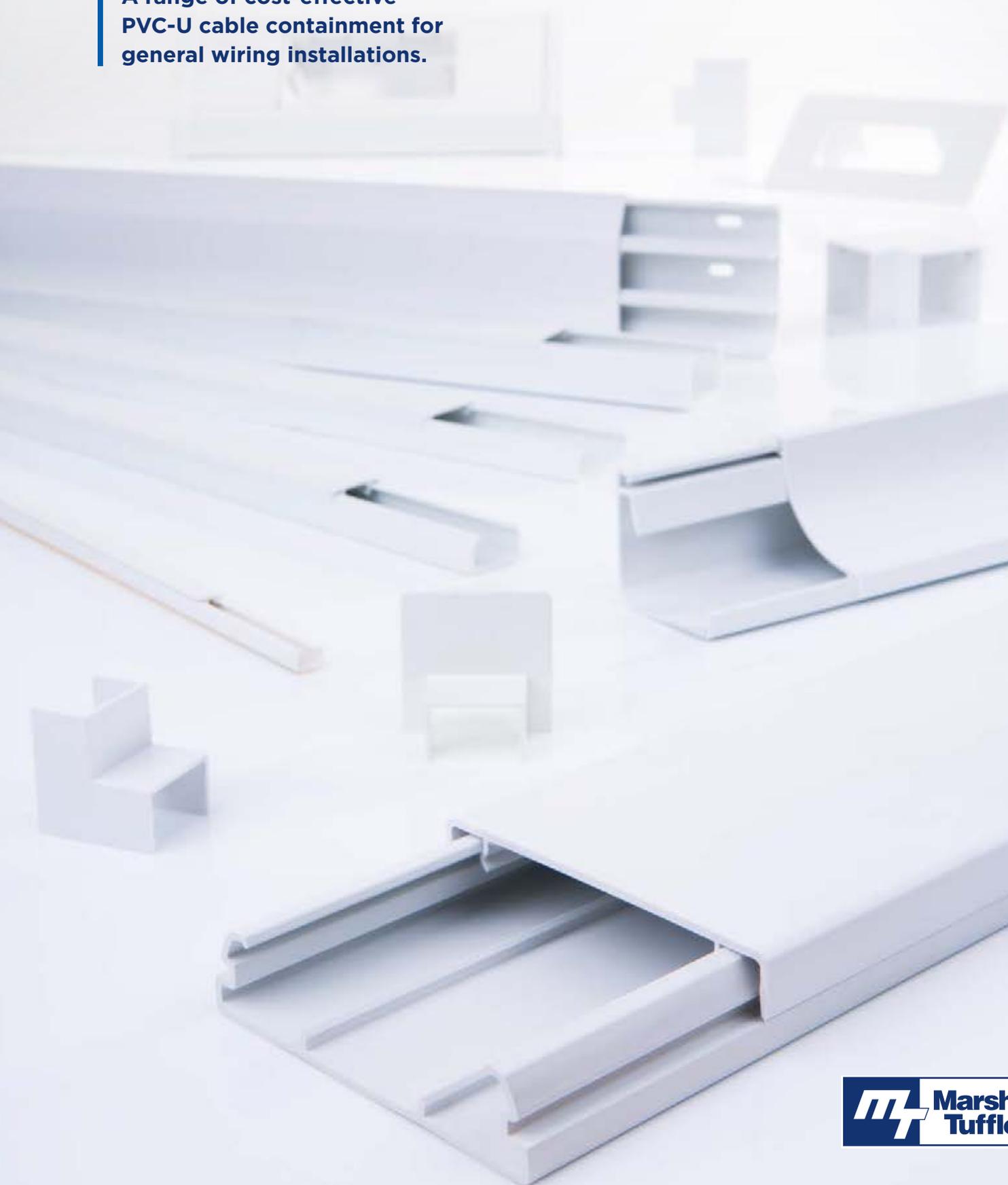


# PVC-U TRUNKING

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



PVC-U TRUNKING

## PVC-U 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. PVC-U is also self extinguishing and therefore does not cause flame spread.

We have a wide range of PVC-U 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.

### 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	WH	9003
	Red	RD	3020
	Brown	BN	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.

# Firefly

## FIREFLY FIRE SAFETY CLIPS: SAVING LIVES IN THE EVENT OF A FIRE

**firefly**<sup>TM</sup>  
FIXINGS  
from Marshall-Tufflex

To comply with BS 7671:2008+A3:2015 IET Wiring 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

See page  
5 for  
punched mini  
trunking

## 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 BS 7671 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.

### BS 7671:2008+A3:2015 IET Wiring Regulations

See section 521.11 of  
the current IET Wiring  
Regulations

**See page 237 of our main catalogue for product ordering information.**

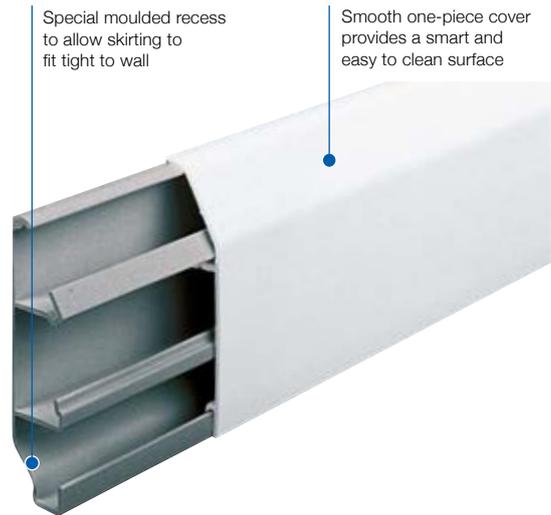
Sovereign Plus skirting trunking is a slim trunking system suitable for installation into hotels, small offices and residential properties.

**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
- Designed for use with MMT2 mini trunking (see page 4)

<b>Standard Colour</b>
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



**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

p27

Technical Information

### Technical support

Our Technical Team consists of qualified Electricians, Electrical and Mechanical Engineers with many years experience of cable management installations including an understanding of the regulations and compliancy to standards in both domestic and commercial sectors. The team can advise on a wide range of solutions and technical issues, product standards, data cabling control and Part M compliancy.

We pride ourselves on providing and supplying our customers with specialist solutions to suit a variety of needs and the team's expertise enables us to provide quotations for specialist solutions. We aim to complete all standard quotes within 1 working day, although more complex quotations such as 'take offs' can take longer.



Contact our Technical Services team on +44 (0)1424 856688 or email [technical@marshall-tufflex.com](mailto:technical@marshall-tufflex.com)

### Award winning customer service

Our Customer Service Team are on hand to advise on stock availability, lead times and delivery schedules.

In 2017 Marshall-Tufflex were proud to be shortlisted in four categories at the prestigious Electrical Wholesaler Awards including Best Customer Service, Best Overall Supplier and Best Sales Representative.

Contact our Customer Services team on +44 (0)1424 856600 or email [sales@marshall-tufflex.com](mailto:sales@marshall-tufflex.com)



### BIM (Building Information Modelling)

3D Autodesk Revit models are now available to download for Marshall-Tufflex products, with the necessary technical product data for them to be easily specified and integrated into a construction project.

Visit [www.marshall-tufflex.com](http://www.marshall-tufflex.com) or [www.bimstore.co.uk](http://www.bimstore.co.uk)



### Same day collection\*



Our popular same day collection service gives our customers an unrivalled two-hour turnaround on product orders, allowing them to collect from our dedicated collection points in Manchester and London. Orders can also be collected next day from our Hastings depot.

#### Manchester

Europa Trading Estate, Stoneclough Road, Radcliffe, Manchester M26 1GG

#### London

101c Blackhorse Lane, London E17 6DJ

- Orders can be collected two hours after order placement from Manchester and London.
- Orders placed by 3.30pm will be available for collection until 5.30pm.
- Orders received by 5pm will be ready for collection from 10am the following day.

#### Hastings

55-65 Castleham Road, St Leonards-on-Sea TN38 9NU

- Orders placed by 12.30pm can be collected from 10am the next day from our Hastings depot.

\* Subject to stock availability

For details regarding collections, please contact our Customer Services team on +44 (0)1424 856600 or email [sales@marshall-tufflex.com](mailto:sales@marshall-tufflex.com)



 Follow us on Twitter @MTufflex

## Sovereign Plus trunking

### Material

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

### Installation

#### Positioning

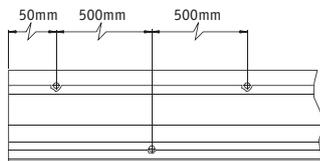
Suitable for skirting and architrave installation. When used as a skirting system, sufficient clearance should be allowed between the floor covering and the profile fittings that clip over the cover i.e. 5mm + floor covering is recommended.

#### 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.

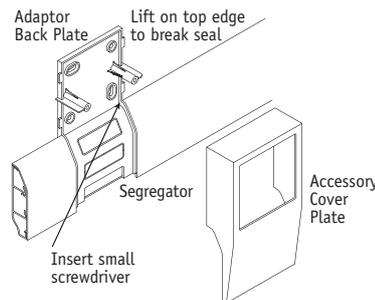
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- Trunking cover holds external moulded fittings in place when they are clipped on to base.

#### 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

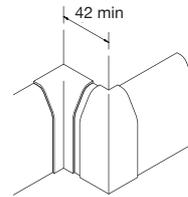
To remove a cover, isolate circuit and detach an accessory and front mounting component. Insert blade of screwdriver between captive legs of cover and gently peel off.

#### Screening

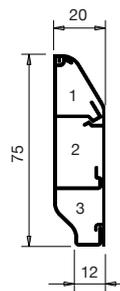
Not available.

#### 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 = 238mm<sup>2</sup> total area
- 1 = 107mm<sup>2</sup> 45% space factor
- 2 = 416mm<sup>2</sup> total area
- 2 = 187mm<sup>2</sup> 45% space factor
- 3 = 261mm<sup>2</sup> total area
- 3 = 117mm<sup>2</sup> 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<sup>2</sup> stranded copper

Sovereign Plus skirting	13	23	15
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#### PVC power cable 2.5mm<sup>2</sup> stranded copper

Sovereign Plus skirting	9	16	10
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#### PVC power cable 4.0mm<sup>2</sup> stranded copper

Sovereign Plus skirting	6	11	7
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#### Data cable: Ø5.5mm

Sovereign Plus skirting	5	8	5
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#### Data cable: Ø6.0mm

Sovereign Plus skirting	4	7	4
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#### 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
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## Marshall-Tufflex Ltd

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+44 (0)1424 856688



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London (E17 6DJ)  
Manchester (M26 1GG)  
Hastings (TN38 9NU)

### Republic of Ireland distributor

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17b Goldenbridge Industrial Estate  
Tyrconnell Road, Inchicore  
Dublin 8, D08 WD50

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### Northern Ireland distributor

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Unit 4 Duncrue Industrial Park  
Duncrue Road  
Belfast, BT3 9BP

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In pursuance of our policy of continued product improvement Marshall-Tufflex reserve the right to change the design or specification of its products without notification.

