



MARSHALL TUFFLEX

CABLE MANAGEMENT CATALOGUE



**DELIVERING
INNOVATION
FOR 75 YEARS**

www.marshall-tufflex.com

Page 4

New products and introduction

Find out about our new products that have been developed in response to customer feedback and market demand. An introduction to Marshall-Tufflex, our customer service promise and the benefits of working with us.

Page 12

Colours and finishes

Marshall-Tufflex offer a range of colours and finishes that can provide protection as well as enhancing and personalising the installation to the customer's requirements.

Page 15

Products by application

Marshall-Tufflex cable management solutions are suitable for many different environments including: educational, office, transport and industry, data and IT and laboratory and healthcare.

Page 39

Specialised solutions

Marshall-Tufflex design and manufacturing facility for the production of bespoke, fabricated, pre-wired and pre-assembled products to meet the needs of installation and building variations.

Page 47

GRP ladder and tray

Light weight and easy to install alternatives to steel ladder, tray, duct and basket.

Range includes: GRP Ladder; GRP Tray; GRP Troughing ; Ground Ducts.

Page 65

Wire Basket

A comprehensive range of wire basket solutions for the simple routing of power and data cables.

Page 75

Underfloor to desk solutions

A range of products that provide complete power and data solutions from under the floor up to the desk.

Range includes: Powertrack; Raised floor boxes and grommets; In-screed systems; MT32 pre-wired underfloor distribution; Desk surface modules; Power and data modules.

Page 93

PowerPoles and PowerPosts

Elegant solutions for managing services to island work stations.

Range includes: Series 1 single and double-sided PowerPoles and PowerPosts and Series 2 single and double-sided PowerPoles and PowerPosts with hinged covers.

Page 99

PVC-U perimeter trunking systems

Multi-compartment dado and skirting trunking.

Range includes: Odyssey; Mono; Compact; Sterling Profile; Sterling Curve; XL Trunking; Twin165 trunking; Twin Plus; Series R; MT32 modular wiring for trunking.

PVC-U trunking

A range of general trunking options for a variety of installations.

Range includes: Mini trunking; Maxi trunking; Sceptre trunking; Cornice trunking; Sovereign Plus trunking; Bench trunking.

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Aluminium trunking systems

Multi-compartment dado, skirting and bench trunking.

Range includes: Elegance; Sterling Profile; XL Trunking; Twin Plus; Bench Trunking; MT32 modular wiring for trunking.

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Steel trunking systems

Multi-compartment dado and skirting systems. Friction-fit, screwless design.

Range includes: Series130 and 170.

Page 201

Conduit systems

A full range of PVC-U conduit and fittings. EMC and LSOH options.

Range includes: PVC-U round and oval conduit and fittings; Corrugated conduit; MT Supertube.

Page 211

Accessory boxes and enclosures

A full range of boxes and enclosures manufactured in high impact PVC-U.

Range includes: Surface boxes; Dry Lining boxes; Circular dry lining boxes; Moulded enclosures; Acoustic hoods.

Page 223

Power, voice and data accessories

13Amp wiring accessories and data outlet boxes for trunking systems.

Range includes: Sockets; Switches; Flush and surface options; UK and international boxes; MT32 Pre-wired and modular accessories for trunking.

Page 227

Fire and security systems

Products designed specifically to meet fire and security wiring regulations.

Range includes: Callmaster (red trunking and boxes); Fire barrier pads; Clear cable trunking and Firefly fire clips.

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Technical information

Product technical information, dimensions, capacities and installation information.

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Product index and general information

Index by product name, Index by size, Index by part number
Health and safety at work; Low voltage directive;
Product colour; Unexposed parts; Conditions of sale.

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DELIVERING INNOVATION

The Marshall-Tufflex brand is synonymous with providing quality, and innovative engineered solutions. We have the most comprehensive range of trunking solutions to suit all types of cable management applications and we are committed to pioneering new and effective solutions that look good and aid speed and simplicity of installation. Importantly, we also ensure our products comply to current legislation and regulations.

Within this catalogue you will find some new products and changes to existing ranges that have been made in response to feedback from you, our customers.

NEW

New ideas and product innovation

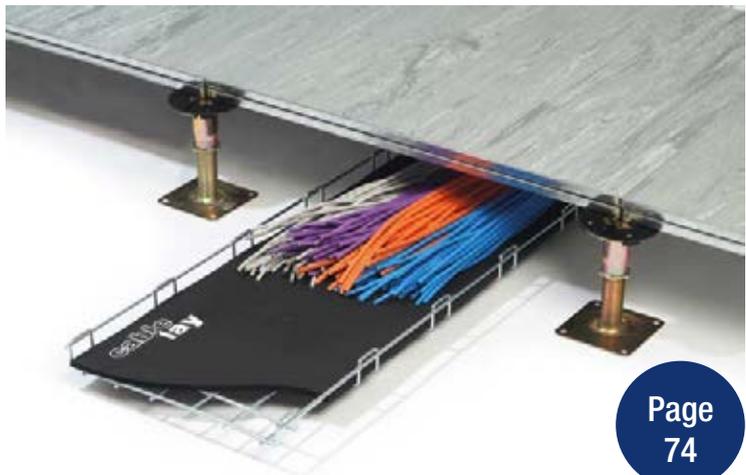
Do you have a product idea that could be developed into a useful or time saving solution to benefit electrical contractors, designers and specifiers? If so, we'd love to hear from you.

Contact our Innovation and New Product Development department at innovation@marshall-tufflex.com

Wire Basket Cablelay

To complement our range of Fast-Coupling Wire Basket we now offer two types of fire resistant matting; Cablelay Matting and Cablelay Rigid. Wire Basket Cablelay is positioned within wire basket and tray to protect cables from protrusions, sharp edges, rough and uneven surfaces, pressure points or kinking ridges and to protect the integrity of the data cables.

cable
From
Marshall
Tufflex
lay™



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Punched Mini Trunking



MMT2 and MMT4 from our mini trunking range are now offered in three variations; standard, self-fix and a new punched version. Punched mini trunking is designed for increased speed and ease of installation with secondary holes located at the top of the trunking which is perfect for mounting Firefly safety clips.

Firefly clips ensure full compliance with the latest fire regulations BS5839-1 for our popular sizes of mini, maxi and conduit products.

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Aluminium Power Modules

New to our Underfloor to Desk range this range of Aluminium Power Modules can be connected directly* to underfloor powertrack via a tap-off. Available in 3.15 or 5 Amp; Standard or Clean Earth versions with 3 or 5 metre tap-offs.

* Means of circuit protection must meet the requirements of BS 7671.



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Pre-Wired Floor Boxes



Labour costs are often the most expensive part of a project so with that in mind our new pre-wired three or four compartment raised floor boxes save time on site as they are supplied wired up and ready for installation.

Standard or Clean Earth versions are available complete with 3 metre tap-offs.

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Retro-Fit Part M Spacer

These new spacers can be added to existing installations where our ETL1WH main compartment cover is installed, to enable compliance with the Disability Discrimination Act (DDA) and Part M of The Building Regulations. The spacers are available in blue and charcoal as standard.



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6 | Recent innovations

Following the introduction of several new products over the last two years we are pleased to report that these products are now in full use within the electrical industry.

Fast Coupling Wire Basket

Our Wire Basket range is now regularly specified thanks to the impressive installation time savings available. The system was installed within a Kent School recently and saved the contractors significant time on-site.

Fast-Coupling Wire Basket is quick and easy to assemble, with no tools required thanks to an integral push-fit coupler which connects the basket lengths together and gives the system excellent strength and rigidity.

"It was amazing how quickly it fitted together"

Colin Gunn, Contracts Manager for M&S Electrical (UK) Limited

Read the case study on Page 73

Sterling Curve

"Sterling Curve perfectly fitted the nature of the installation, offering good capacity coupled with a curved profile which prevents the trunking being used as storage"

Phil Ringwood,
Contractor of Wisbech Electrical

Sterling Curve was a new addition to the popular and proven Sterling range in 2016 and is a sleek three compartment trunking featuring one or two curved data compartments to stop clutter, avoid dust traps and to make cleaning easy.

Suitable for dado and skirting application the range includes single piece moulded fittings and flat tees/angles with integral bend radius control.

Sterling Curve is already proving popular with specifiers and contractors. One of the larger projects is for MM Flowers in Cambridgeshire, where the cable management solution is being installed in new production and office facilities to deliver power and data via more than 400 data points.

Desk Modules

Designed to meet the needs of the modern workplace, this new range of pre-wired and pre-tested power and data modules is ideal for under desk mounting and was developed with flexibility and speed of installation in mind. The desk modules can be used individually or can be linked to serve multiple workstations using the latest Wieland GST18/3 connectors.

With additional circuit protection via a selection of RCBO modules there is the ability to connect direct from powertrack up to single or multiple configurations of under desk modules. The range also now includes the latest 5A USB modules for faster charging times.



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Moulded Single Piece Fittings for Sterling Profile 1 and 2

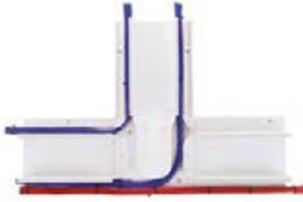
Single piece moulded couplers, end caps and internal/external bends for Profile 1 and 2 that are easier to install and give a neater finish.



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Bend Radius Control for Sterling Profile 1 and Sterling Curve

Moulded fittings with built-in bend radius control guides providing full radius control around bends for Cat 6 and above data cabling.



Page 123

Mounting Frame for Odyssey



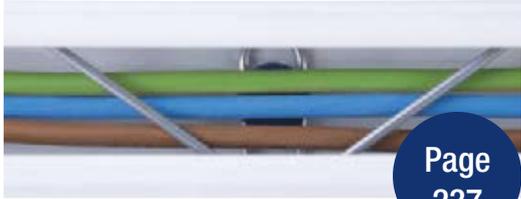
Mounting frames for Odyssey trunking providing easy access for Cat 6 and Cat 7 cables to the socket outlet point.



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Firefly Fire Clips

Firefly fire clips to prevent cables from falling in the event of a fire, helping to keep escape routes accessible. For use with mini, maxi and conduit.



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3D Printer Technology



We use the latest 3D printing technology to develop innovative product ideas, by taking product from design to market as quickly and cost-effectively as possible. 3D printing enables us to continually improve our service levels, whether that be responding to customer feedback or developing new product ideas. It has proven revolutionary and is now an integral part of our product development. We can take a product idea, design it in-house with our CAD engineers and produce a 3D prototype, enabling us to quickly evaluate the design and ensuring we invest in the very best cable management concepts and solutions.

New ideas and product innovation

Do you have a product idea that could be developed into a useful or time saving solution to benefit electrical contractors, designers and specifiers? If so, we'd love to hear from you.

Contact our Innovation and New Product Development department at innovation@marshall-tufflex.com

CABLE MANAGEMENT SPECIALISTS



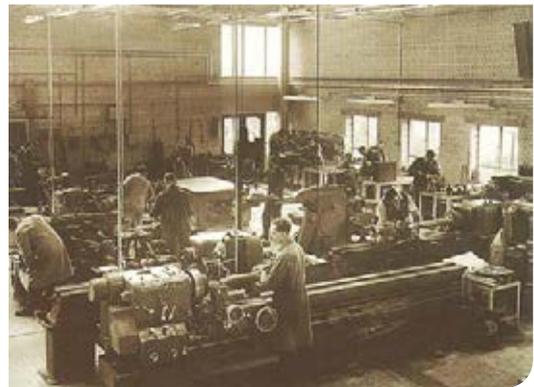
Marshall-Tufflex is the UK's leading manufacturer and supplier of cable management solutions for commercial, industrial, healthcare, education and domestic markets.

Based in Hastings, East Sussex the company was established in 1942 and is recognised throughout the industry for quality, consistency, reliability, value for money and innovation.

When you buy a Marshall-Tufflex product there are high expectations and we don't take this lightly. We work hard to ensure our products meet the highest standards and we are totally committed to customer satisfaction.

75th Anniversary

2017 is a milestone year for Marshall-Tufflex as we celebrate 75 years of manufacturing and supplying award-winning products to the UK and worldwide markets. We are extremely proud of our heritage as a family owned company and our priority for the future is to re-invest and continue producing new and effective solutions for the building industry.



Award winning customer service

Our Area Sales Managers, Project Managers and Technical specialists work closely with Electrical Consultants, Contractors and clients in order to provide the best possible technical and sales support.

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.



Where to buy Marshall-Tufflex products

Marshall-Tufflex products are available throughout the UK via a large network of national and independent electrical wholesalers.

Marshall-Tufflex products are available internationally in over 40 different countries via our 85 international distributors, who also maintain a range of products for their customers locally. See the inside back cover of this catalogue for details of our international distributors.

Please contact our Customer Service Team on +44 (0)1424 856600 for details of your local stockist.

See the inside back cover of this catalogue for details of our International distributors.

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

Hastings

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



- 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 7am the following day.
- Orders placed by 12.30pm can be collected from 10am the next day from our Hastings depot.

* Subject to stock availability

Distributor orders

Orders can be placed directly with our Customer Services Team.

The daily cut-off time for orders to be placed is 12.30pm. Orders will be delivered on your next scheduled delivery day, providing your order is received before this time.

Need your order delivered to site? Speak to a member of our Customer Services Team.

Send your order to us at:

sales@marshall-tufflex.com
f: +44 (0)1424 856611



marshall-tufflex.com

marshall-tufflex.com is an essential resource for the cable management industry and features comprehensive technical information, BIM resources, product and installation to assist with choosing the perfect trunking system for your project.

10 | 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.



Specialised solutions



With cable management installations becoming increasingly wide ranging, our specialised solutions service helps to find the perfect answer to a specific problem that a client is facing.

Our In-house Design Team continually push the boundaries of product design and work with architects, designers and contractors to create pre-fabricated solutions for their projects, designed to save time on site.

BIM (Building Information Modelling)

BIM (Building Information Modelling) brings together all of the digital information for every component of a building in one place allowing anyone to access that data. BIM data can be used and shared to illustrate the entire building life-cycle, from feasibility, design, during construction and throughout its working life.

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 our website www.marshall-tufflex.com or www.bimstore.co.uk



Standards

BSI Standards

Marshall-Tufflex is committed to excellence and is recognised by the BSI as a firm of Assessed Capability for Quality Management Systems to BS EN ISO 9001:2015, Environmental Management Systems to BS EN ISO 14001:2015, Occupational Health and Safety Systems to BS OHSAS 18001:2007 and Energy Management Systems to BS EN ISO 50001:2011.



Q05393

EMS 539243

OHS 622466

ENMS 602935

BEAMA

BEAMA is the independent expert knowledge base and forum for the electrotechnical industry for the UK and across Europe. Representing over 300 manufacturing companies in the electrotechnical sector, the organisation has significant influence over UK and international political, standardisation and commercial policy. We are very proud to **be an active member of BEAMA and work closely with them.**



RoHS, REACH and WEEE

Marshall-Tufflex is committed to compliance with the RoHS, REACH and WEEE European Union Directives. For further details, please visit www.marshall-tufflex.com

Our Technical Team can be contacted on +44 (0)1424 856688.

Charitable donations

Marshall-Tufflex is an established supporter of charity, donating almost half a million pounds over the last five years alone.

Our philanthropic spirit is part of our heritage and ingrained into the culture and we are very proud to support local and national charities through regular staff fundraising efforts and company donations.

In 1962 our Company founder Harold Cirket, established a charitable Trust, the Charlotte Marshall Charitable Trust, which the company stills supports today through a mix of dividend payments and donations.



Marshall-Tufflex and the community



Marshall-Tufflex is committed to community engagement; we believe that it is our corporate responsibility to be socially aware and to give back to the local area.

MT in the Community is a programme to drive and encourage engagement across a range of community activities. As part of the programme we encourage our staff to volunteer and engage with activities that aid local development and growth within our community and the wider environment we all inhabit.

We are continually building relationships with local educational establishments, from schools to universities. Marshall-Tufflex also supports an active Apprenticeship Programme, allowing people to grow and develop with the business and deliver the skills needed for tomorrow.

Sustainability and Standards

Environmental

Marshall-Tufflex actively pursues a comprehensive programme to develop formulations based on environmentally acceptable materials, whilst still maintaining and, where possible, improving on long-term performance properties.

Recycling

Marshall-Tufflex source and include high quality recycled PVC-U within a number of its product ranges. We are active in and financially support various industry bodies in driving the industry in the use and control of PVC-U based materials, with the aim of increasing awareness and use of recycled material. We also recycle paper, cardboard, polythene, wood, metal, print cartridges and aluminium cans.

Vinyl Plus

The company is dedicated and actively contributing to meeting the requirements of Vinyl Plus and its ongoing programme of Voluntary Commitment to the European Commission.



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.

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 and finishes section on page 13.

Standard Colours	
WH	BK
WH: White BK: Black	



Material	Standard colour	Colour code suffix	RAL
PVC-U	Solid White	WH	9003
	Black	BK	9005
	Charcoal	CH	7021
	Red	RD	3020
	Brown	BN	8017
Aluminium	Silver Grey	SG	9006
	White	WH	9016
Steel	White	WH	9010
GRP	Light Grey	N/A	7032

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.



Special colours and finishes



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

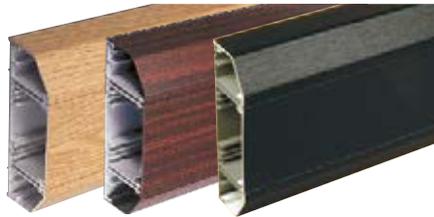
We can provide special colours in either a solid PVC-U solution or a painted solution dependent on your client's preference. All special colour requirements will need to be specified as a RAL colour.

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.

Woodgrain finishes

For a truly authentic look, we are able to supply a quotation for 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 offers 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 Profile 1 trunking components with Bio antimicrobial protection due to its popularity. The following trunking systems are also available in Bio but not available as standard:

- Bench trunking
- Compact trunking
- Mono Plus 20 trunking
- Sterling Profile
- Twin Plus trunking
- XL trunking

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.

Look for these quick reference symbols within the catalogue



Indicates that a product can be used in conjunction with MT32 Prefabricated Wiring.



Indicates that a product is compliant up to a specific cable category.



Indicates that a system can be manufactured with antimicrobial properties.



Indicates that a system can have a conductive spray coating to protect against EMI interference.

PRODUCT INDEX AND GENERAL INFORMATION

Health and Safety at work

Health and Safety at work etc. Act 1974

- Section 6 of this act imposes on all manufacturers, designers, importers or suppliers of articles for use at work a duty to ensure, so far as is reasonably practicable, that the article is so designed and constructed that it will be safe and without risks to health at all times when it is being set, used, cleaned or maintained by a person at work. Part 1 of the Consumer Protection Act 1987 introduces strict liability for defects in products. In considering whether a product is defective, consideration has to be given to any instructions issued with the products. It is therefore essential that the purchasers ensure that any relevant information or advice relating to the use of the product is strictly complied with.
- Having regard to these provisions the following is given as a guide to the information which is readily available to you in order that the obligations of all concerned may be met as fully as is reasonably practicable. This information relates to those products detailed in our Catalogue(s) or associated literature.
- Information on the design, construction and installation of our products may be found in catalogues and product leaflets of this Company, or may be obtained by specific request to the Company.
- It is important that the products concerned should be installed, commissioned and maintained by, or under supervision of competent persons in accordance with:
 - BS7671 IEE Regulations for the Electrical Equipment of Buildings
 - Codes of Practice
 - Statutory requirements
 - Any instruction specifically advised by the Company The Purchaser must satisfy himself that he has complied with such requirements.

- In accordance with the provisions of the Act you are therefore requested to take such steps as are necessary to ensure that any appropriate information relevant to our products is made available by you to anyone concerned.

Low Voltage Directive

Marshall-Tufflex products that come within the scope of the Low Voltage Directive (LVD) will be CE Marked to confirm that they meet the necessary requirements of this directive.

Product colour

The colour of products shown in this catalogue are representative only.

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.

Unexposed parts

Unexposed parts may not always be supplied in the colours depicted in this catalogue. This will not detract in any way from the finished look of the product.

Conditions of Sale

All products are sold subject to C & C Marshall Limited Conditions of Sale (as amended from time to time), who are the principals of Marshall-Tufflex Ltd, their selling Agents, and to such other Conditions of Sale as are contained in our current price list. Copies of these Conditions of Sale are available on request.

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

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Perimeter and containment trunking by size

A quick reference guide to finding information on trunking, shown in size order from small to large.

PVC-U perimeter trunking systems - by size

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PVC-U trunking systems - by size

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