Marshall Tufflex

80 YEARS
1942 - 2022

THE ULTIMATE GUIDE TO
CABLE MANAGEMENT

REASSURINGLY
RECYCLED

UK OWNED
UK MANUFACTURER

2 | Contents

PowerPoles and PowerPosts

Elegant solutions for managing services to island work stations.

Underfloor to desk solutions

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

GRP ladder and tray

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

Wire Basket

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

Metal cable tray

Ideal for the support of power and data cables in commercial and industrial installations.

PVC cable tray

A lightweight support system for the routing of power and data cables ideally suited to outdoor environments.

Order online

Account holders can place stock orders quickly and easily online via a unique login with customised terms and pricing built in. Contact our customer services team to set up an online login (this service is available to UK customers only).

Look for these symbols within the catalogue

COMPLIANT UP TO
CAT 7A

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

BIO
ANTIMICROBIAL TRUNKING

Indicates that the system is manufactured with antimicrobial material, and is stocked.

77%
Mono 10 trunking assembly is manufactured using 77% recycled material

Indicates the percentage of recycled PVC-U that is used in the manufacture of the specific product range.

CABLE MANAGEMENT SPECIALISTS

UK OWNED
UK MANUFACTURER

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.

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.

REASSURINGLY RECYCLED

We work hard to ensure our products meet the highest standards and are totally committed to the environment and maximising our usage of recycled plastic within our manufacturing process.

From January 1st to 31st December 2020 we used 74% recycled material across our PVC-U product range.

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 still supports today through a mix of dividend payments and donations.
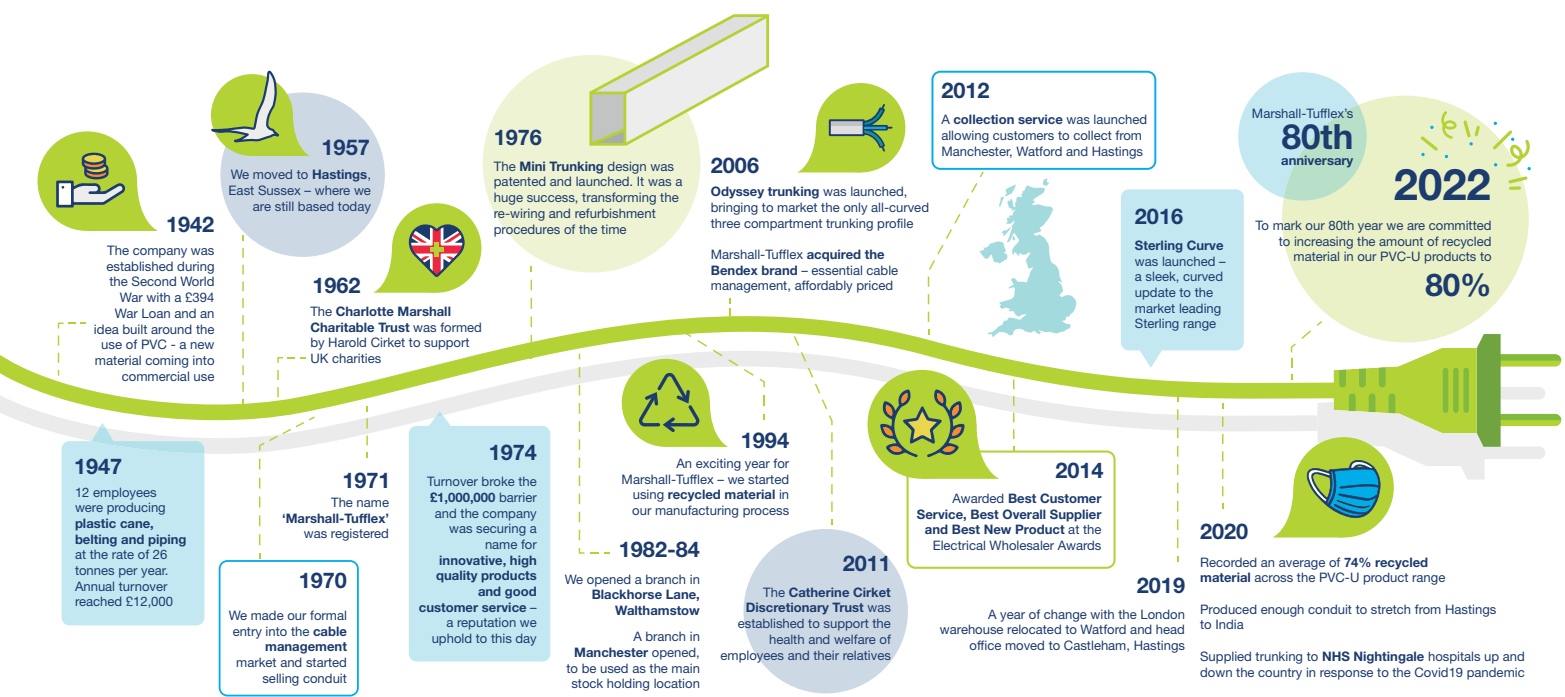
CELEBRATING 80 YEARS

Celebrating 80 Years

We've come a long way since our wartime beginnings when the company was born with a £394 War Loan and an idea built around the use of PVC, a new material just coming into commercial use.

For eight decades, we have pioneered plastic extrusion and become market leader in the cable management industry.

Marshall Tufflex

80 YEARS 1942 - 2022

1942
The company was established during the Second World War with a £394 War Loan and an idea built around the use of PVC - a new material coming into commercial use

1947
12 employees were producing **plastic cane, belting and piping** at the rate of 26 tonnes per year. Annual turnover reached £12,000

1957
We moved to **Hastings**, East Sussex – where we are still based today

1962
The **Charlotte Marshall Charitable Trust** was formed by Harold Cirket to support UK charities

1970
We made our formal entry into the **cable management** market and started selling conduit

1971
The name **'Marshall-Tufflex'** was registered

1974
Turnover broke the **£1,000,000** barrier and the company was securing a name for **innovative, high quality products and good customer service** – a reputation we uphold to this day

1976
The **Mini Trunking** design was patented and launched. It was a huge success, transforming the re-wiring and refurbishment procedures of the time

1982-84
We opened a branch in **Blackhorse Lane, Walthamstow**

A branch in **Manchester** opened, to be used as the main stock holding location

1994
An exciting year for Marshall-Tufflex – we started using **recycled material** in our manufacturing process

2006
Odyssey trunking was launched, bringing to market the only all-curved three compartment trunking profile

Marshall-Tufflex **acquired the Bendex brand** – essential cable management, affordably priced

2011
The **Catherine Cirket Discretionary Trust** was established to support the health and welfare of employees and their relatives

2012
A **collection service** was launched allowing customers to collect from Manchester, Watford and Hastings

2014
Awarded **Best Customer Service, Best Overall Supplier and Best New Product** at the Electrical Wholesaler Awards

2016
Sterling Curve was launched – a sleek, curved update to the market leading Sterling range

2019
A year of change with the London warehouse relocated to Watford and head office moved to Castleham, Hastings

2020
Recorded an average of **74% recycled material** across the PVC-U product range

Produced enough conduit to stretch from Hastings to India

Supplied trunking to **NHS Nightingale** hospitals up and down the country in response to the Covid19 pandemic

Marshall-Tufflex's **80th anniversary**

2022
To mark our 80th year we are committed to increasing the amount of recycled material in our PVC-U products to **80%**

First class customer service

Our Area Sales Managers, Specification Managers and technical specialists work closely with 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, delivery schedules and order fulfilment.

Our office opening hours are 8:30am to 5:00pm Monday to Friday.

Buying Marshall-Tufflex products

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

Please contact our Customer Service Team on +44 (0)1424 856600 for details of your local UK stockist or visit www.marshall-tufflex.com

Our products are also in over 55 different countries worldwide via our network of channel partners, who maintain a range of products for their customers locally.

Collection service*

Our popular collection service gives our UK customers an unrivalled two-hour turnaround on product orders, allowing collection from our dedicated collection point in Manchester. Orders can also be collected next day from our Watford and Hastings depots.

Manchester:	Europa Trading Estate, Stoneclough Road, Radcliffe, Manchester M26 1GG	*Monday – Friday*	*8am – 5.30pm*
Watford:	Unit 4 Trade City, Thomas Sawyer Way, Watford WD18 0EZ	*Monday – Friday*	*8am – 5.30pm*
Hastings:	55-65 Castleham Road, Hastings TN38 9NU	*Monday – Friday 8am – 5.30pm*	

- Orders can be collected two hours after order placement from Manchester.
- Orders received by 5pm will be ready for collection the following day.
- Orders placed by 12.30pm can be collected from 8am the next day from our Watford and Hastings depots.

* Subject to stock availability

Distributor orders

Orders can be placed online or by email with our Customer Services Team. Goods will be delivered on your next scheduled delivery day, subject to availability, providing your order is received before the daily cut-off time of 12.30pm.

FOR NEXT DAY DELIVERY ORDER BY 12:30PM

Send your order to us at:
✉ sales@marshall-tufflex.com

Direct to site deliveries

If you need your order delivered directly to site, our Customer Service Team will be happy to arrange this for you.

Carriage charges apply if minimum order value is not met.

Order online

Account holders can place stock orders quickly and easily online via a unique login with customised terms and pricing built in. Contact our customer services team to set up an online login (this service is available to UK customers only).

TECHNICAL SUPPORT

Our Technical Team consists of qualified electricians, and technical experts with many years experience of cable management installations including an understanding of the regulations and compliancy to standards.

The team can advise on a wide range of solutions and technical issues, product standards, data cabling control and Part M compliancy.

We aim to complete all standard quotes within one working day, although more complex quotations such as 'take offs' can take longer.

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 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/bim or www.thenbs.com

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 and Environmental Management Systems to BS EN ISO 14001:2015.

PRODUCT DATA SHEETS ARE AVAILABLE AS PDF'S ON OUR WEBSITE
www.marshall-tufflex.com
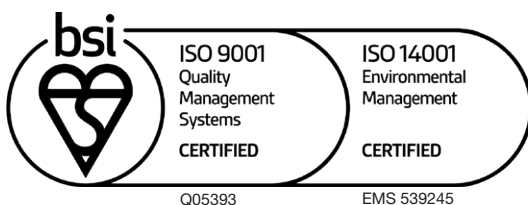
RoHS

RoHS (Restriction of Hazardous Substances) restricts the use of specific hazardous materials found in electrical and electronic products. All Marshall-Tufflex products are RoHS compliant.

WEEE

WEEE is the directive on waste electrical and electronic equipment which sets collection, recycling and recovery targets for all types of electrical goods with the objective of reducing landfill. Marshall-Tufflex is fully compliant with the WEEE directive.

REACH

REACH is an EU regulation (dating from 18.12.06) that stands for Registration, Evaluation, Authorisation and Restriction of Chemicals. It addresses the production and use of chemical substances and assesses their potential impact on both human health and the environment. All Marshall-Tufflex products are REACH compliant and contain no 'Substance of Very High Concern'.

BEAMA

BEAMA is the independent expert knowledge base for the electrotechnical industry in the UK and across Europe. Representing over 300 manufacturing companies, 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.

INTRODUCTION
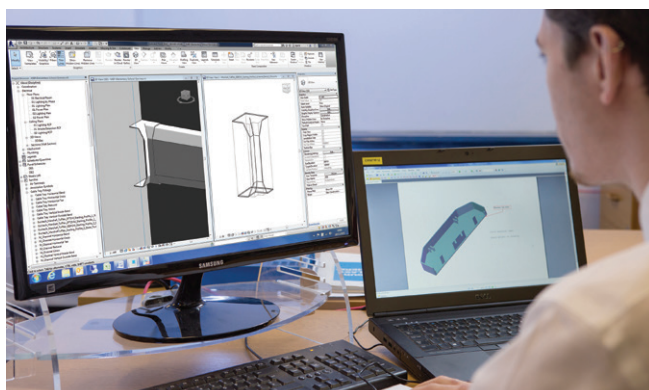
NEW PRODUCTS

The Marshall-Tufflex brand is synonymous with providing quality, and innovative engineered solutions. This catalogue features a number of new products which are now available and in stock.
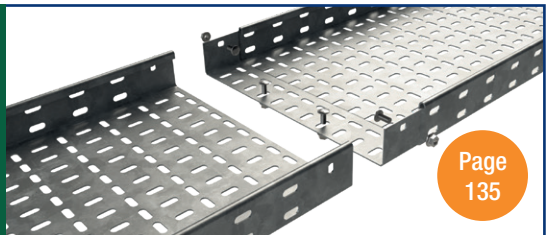
PVC cable tray
Corrosion resistant cable tray for external environments.

Page 141

Metal cable tray
Fast coupling, light, medium and heavy duty metal cable tray.

Page 135

Tufflex Tile
To speed up the installation of electrical products within suspended ceiling installations.

Page 89

Metal spacer bar saddle
To support cables and prevent premature collapse in the event of a fire.

Page 93

MT Supertube universal connector
To enable connection from MT Supertube conduit to any manufacturer's boxes and accessories.

Page 93

Desktop modules
Featuring individually fused UK sockets for desktop access to power, data and USB charging

Page 110

UK DISTRIBUTOR OF BASOR ELECTRIC PRODUCTS

We are the exclusive distributor of Basor products in the UK and supply Wire Basket, Metal Cable Tray and PVC Cable Tray as part of this agreement. In addition, we can also supply any other Basor products, including those that are not part of the standard range.
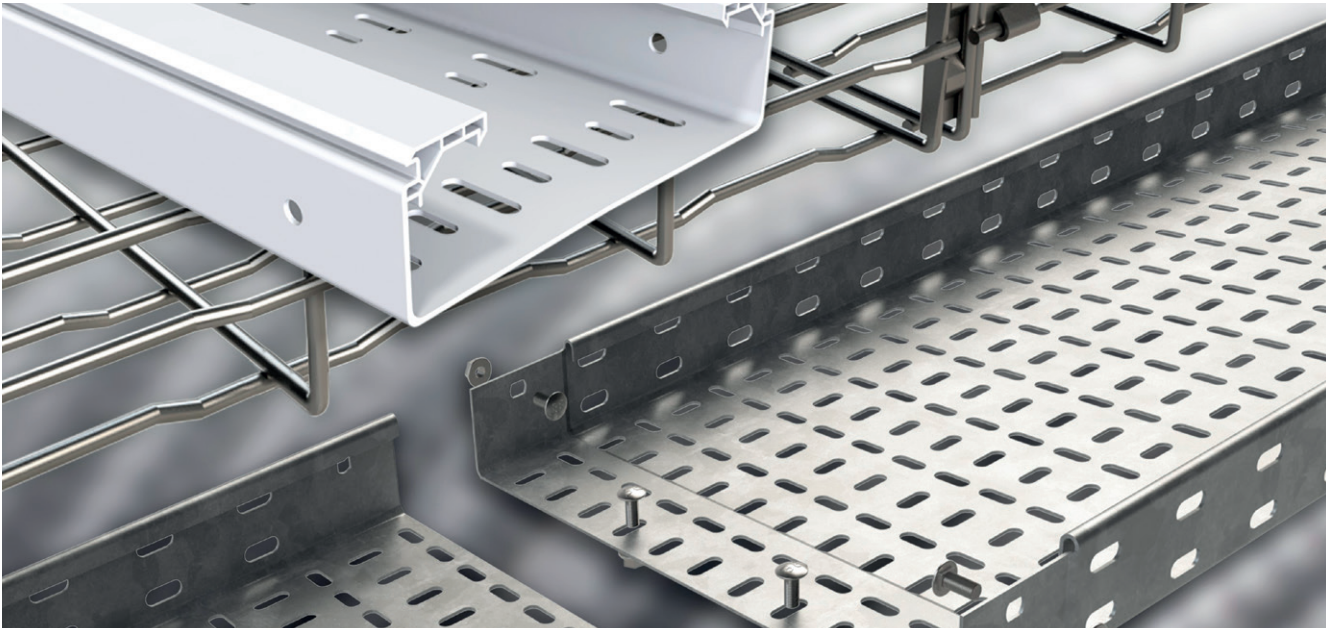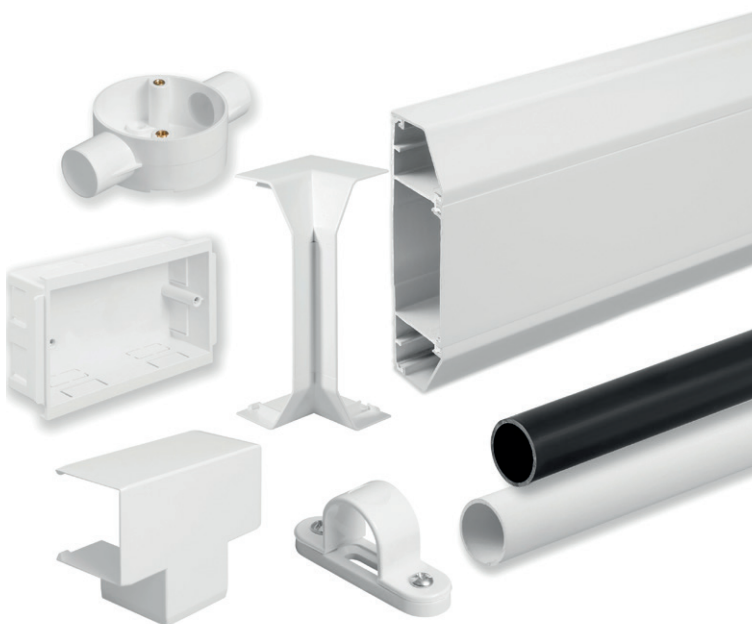
Bendex - essential cable management, affordably priced

The Bendex range of affordably priced cable management solutions are manufactured in the UK by Marshall-Tufflex. The range includes PVC-U trunking, conduit, cable protection guard, channelling, surface boxes and IP rated sockets.

As with the Marshall-Tufflex range, Bendex products are manufactured using a high percentage of recycled PVC-U which varies across the range depending on the product.

DISTRIBUTION ACROSS THE WORLD

We're easy to do business with

Our international team work with our partners around the world overseeing international shipments from order placement through to final delivery of goods.

All elements of the shipping process are managed by our team including export documentation and payment documents such as letters of credit.

We have exported our range of cable management products across the world for over 45 years.

Our products have been installed in prestigious buildings worldwide and we are pleased to sell to over 55 countries via our network of channel partners.

For details of our channel partners, see the inside back cover of this catalogue.

Contact our International Team

Customer Services

☎ +44 (0)1424 856600

✉ international@marshall-tufflex.com

Michael Ballard

☎ +44 (0)7713 877275

✉ michaelb@marshall-tufflex.com

REASSURINGLY RECYCLED

The construction industry produces huge amounts of waste each year. At Marshall-Tufflex, we take our impact on the environment very seriously and are working hard to encourage the cable management sector to join us in utilising recycled material within their products by 2028. We believe that everyone has a responsibility to make positive choices that can affect the environment. We all have an impact, no matter how small.
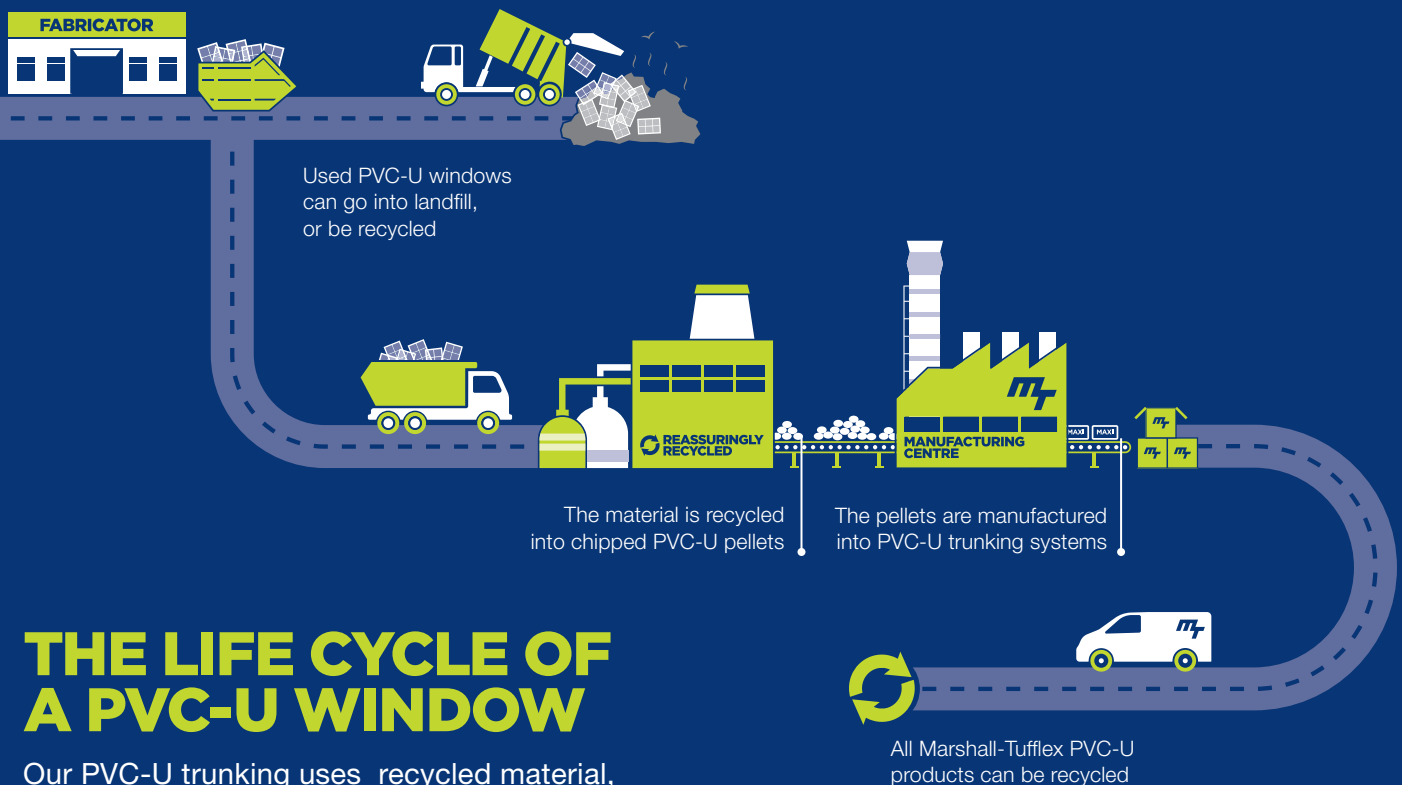
Where does our recycled material come from?

Our recycled PVC-U mainly comes from post-industrial waste (off-cuts from PVC-U window production) and post-consumer waste (from PVC-U windows removed from buildings at the end of their lives). This raw material is more robust and higher quality than normal conduit or trunking virgin grade extrusion PVC-U because the material used to make windows is designed to withstand external elements and is generally considered the best standard PVC-U available.

REASSURINGLY RECYCLED

FOR OVER 25 YEARS, WE HAVE PRODUCED TOP-QUALITY CABLE MANAGEMENT SOLUTIONS USING RECYCLED PVC-U FROM WINDOWS.

FABRICATOR

Used PVC-U windows can go into landfill, or be recycled

REASSURINGLY RECYCLED

MANUFACTURING CENTRE

The material is recycled into chipped PVC-U pellets

The pellets are manufactured into PVC-U trunking systems

THE LIFE CYCLE OF A PVC-U WINDOW

Our PVC-U trunking uses recycled material, which prevents thousands of tonnes of PVC-U windows going into landfill each year

All Marshall-Tufflex PVC-U products can be recycled

How much recycled content do we use in our products?

From 1st January to 31st December 2020 we used 74% recycled material across our PVC-U product range. Where the aesthetic finish of products is not so important, far higher percentages of recycled material can be used. For example, some of our white Mini and Maxi trunking lengths, white conduit and trunking base products can be manufactured using up to 100% recycled material.

Why specify products with recycled content?

With the government's target to meet net zero by 2050, sustainability is a key consideration in all areas of a building's design. With the construction industry generating huge quantities of waste each year, much of which ends up in landfill, it is clear more needs to be done to reduce the amount of waste produced.

We are actively campaigning for all PVC-U cable management products installed in buildings to be manufactured using recycled material. The aim of this initiative is to encourage specifiers to state a minimum of 50% recycled material in specifications where PVC-U products are used. But it doesn't end there, as we are also encouraging installers and wholesalers to ask the question. 'Is this product I'm using or selling made using recycled material?' Serious consideration should be given to the sustainability credentials of the product and if the quality is the same, or better and the price is comparable, product utilising recycled material has to be the best option.

WE ARE ENCOURAGING SPECIFIERS TO STATE A MINIMUM OF 50% RECYCLED MATERIAL IN SPECIFICATIONS WHERE PVC-U PRODUCTS ARE USED.

WE ARE DRIVING...

For all PVC-U products installed in buildings to be manufactured using 50% recycled material by 2028.

REASSURINGLY RECYCLED

USE 50%

What is the average amount of recycled content for each system?

To enable you to evaluate or compare the average amount of recycled content that is used within our PVC-U systems we have worked out an average based on a built up 3m trunking profile.

A 3m built up trunking profile consists of 3m of base and 3m of cover/s.

66% Sterling P1 trunking assembly is manufactured using 66% recycled material

Range recycling figures

(Figures based on our production usage from 1/1/20 to 31/12/20)

System	Percentage
White conduit lengths	100%
White mini and maxi trunking lengths	100%
Mono 10 trunking assembly (EPM10WH)	77%
Sterling Compact trunking assembly (EPM20WH)	58%
Sterling Curve Profile 1 trunking assembly(CEP1MWH)	66%
Sterling Curve Profile 2 trunking assembly (CEP2MWH)	60%
Odyssey trunking assembly(DD1WH)	62%
Twin Plus trunking base (EMT60WH)	55%
Cornice trunking (MCT1WH)	100%
Sovereign Plus skirting trunking (JE03WH)	100%
Bench trunking assembly (MBT105WH)	50%
Bendex white conduit lengths	98%
Bendex white mini and maxi trunking lengths	100%
Bendex Challenger System 1 trunking assembly (XT1CWH)	62%
Bendex Challenger System 2 trunking assembly (XT2CWH)	57%

How do we ensure consistent quality when using recycled content?

To ensure consistent quality across all of our products, we take material samples from the production line every hour to check for consistency in colour and surface finish. This means we can always assure our customers that we are consistently supplying high quality products.

Company environmental practices

We take the impact of our business very seriously across every level of the organisation. As well as our usage of recycled material in our manufacturing operation we also work hard to recycle anything and everything wherever we can. Currently we recycle paper, cardboard, polythene, wood, metal, print cartridges and aluminium cans. Our pallets are also collected by a local company who use them to build planters for local conservation projects.

Other energy saving initiatives across the company include the installation of LED lighting within our factory and office areas.

All new machinery sourced for manufacturing has a requirement for energy saving to ensure that our products are created in the most efficient way possible with least impact on the environment.

PACKAGING CHARTER

We are committed to protecting the environment and our approach to packaging plays an important role. We continually look for ways to use environmentally friendly packaging or to minimise packaging whilst ensuring that our product is well protected and delivered in excellent condition.

Metal stillages

We use metal stillages made from recycled steel to store and transport extruded lengths in bulk.

Typically they remain within our manufacturing and warehousing sites for internal transportation of product. Metal stillages are recycled at end of life.

Wooden bales

Wooden bales are used as an alternative to stillages when product is supplied to customers in bulk.

The timber we used is FSC approved and can be recycled.

Wooden pallets

All wooden pallets that we purchase are FSC approved and can be recycled.

Polythene sleeving

All our polythene sleeving is supplied with a 30% recycled content. Our Polythene can be recycled at end of life.

Plastic bags

Smaller fittings may be bulk packed in plastic bags, these bags have a 30% recycled material content and are 100% recyclable at end of life.

Cardboard

Inner boxes - These are made using 100% recycled paper and are 100% recyclable.

Outer boxes - These are made using 70-100% recycled material content and are 100% recyclable.

Cardboard trays – These are made from 100% recycled material and are 100% recyclable.

PVC–U PERIMETER TRUNKING SYSTEMS

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

REASSURINGLY RECYCLED

Marshall Tufflex

PVC-U PERIMETER TRUNKING SYSTEMS

Our PVC-U cable containment systems are easy to install, light to handle and cost-effective to use. We have a wide range of solutions in different heights, designs and cable capacities for the distribution of power and data; making it an excellent choice of material for the majority of commercial, education and healthcare environments. PVC-U is a self-extinguishing material and therefore helps to stop the spread of fire.

Our PVC-U products are manufactured using a high percentage of recycled material. During 2020, 74% recycled material was used across the PVC-U range and by the end of 2022 we are aiming to reach 80%.

Reassuringly we have been using recycled material for over 25 years, we take our impact on the environment seriously and are doing our best to minimise our effect.

REASSURINGLY RECYCLED

The need for change

It's time for the electrical industry to place more emphasis on the origins of the plastic products they use, to help reduce waste and lower the carbon impact of our buildings. The recycling and reuse of materials has an important role to play in lowering the environmental impact of buildings and achieving a net-zero carbon footprint.

WE ARE DRIVING...
for all PVC-U products installed in buildings to be manufactured using 50% recycled material by 2028

If PVC-U trunking solutions that are made with a minimum of 50% recycled plastic are more commonly specified, then the hope is that other manufacturers, and indeed, the industry, will follow.

USE 50%

Environmental & sustainability

- We use recycled PVC-U in our manufacturing process, reducing carbon emissions in doing so.
- Research has shown that the use of recycled PVC offers a 20-fold reduction in greenhouse gas (GHG) emissions compared to virgin product.
- 100% recyclable material and has a long life cycle. We encourage our products to be recycled at the end of their useful life.
- PVC-U is a cost-effective, sustainable choice and comparable with other materials such as steel, aluminium, copper and wood.
- Virgin grade PVC-U has the lowest oil content of a commodity plastic.
- 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.

EMI protection

- Steel screening insert option.

Fire performance

- The fire rating for PVC-U is excellent* and PVC-U has all the characteristics required for Fire Escape Time.
- Highly resistant to ignition.
- Does little to contribute to the spread of fire and is classified to Building Regs: Class 0.
- PVC-U chars and is self-extinguishing.
- 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.
- Does not produce flaming droplets or burning debris.
- ABS fittings fire rated to UL94 V0.

*see the independent report at www.beama.org.uk

Bio antimicrobial trunking

Where hygiene and stopping the spread of infectious bacteria is a priority, our Bio trunking solutions with integral antimicrobial properties incorporated within the PVC-U 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 Odyssey and Sterling Curve Profile 1 ranges with Bio antimicrobial protection.

- Prevention of harmful bacteria growth.

- Antimicrobial properties inherently formulated within the PVC-U and ABS compounds.

- Being inherent to the product material formulation the antimicrobial properties will remain effective for the product lifetime.

- Testing to ISO 22196:2011.

- Proven silver ion-based technology to neutralise any bacteria with which it comes into contact.

- Registration with the Environmental Protection Agency (EPA).

- Compliance with the European Biocidal Products Directive (BPD).

- Proven reductions in bacterial viable count by more than 99.9%.

- Antimicrobial treatments provide an extra level of protection when combined with normal cleaning procedures.
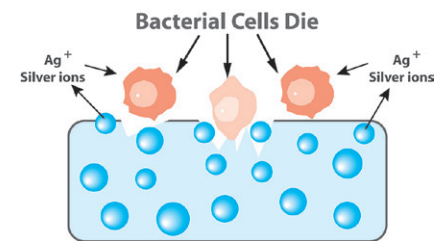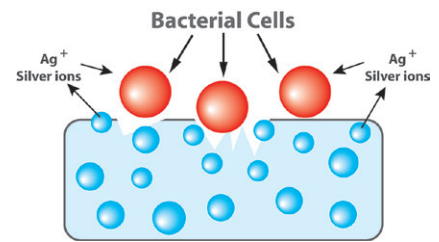
Bio trunking can be identified by using a UV light on the external surface of the trunking. The Bio system will reflect blue under UV light rather than violet.

Part M compliance for visual impairment

Part M of the UK Building Regulations for Visual Impairment requires that face plates differ in colour from their background. Coloured accessory boxes provide a different colour frame to contrast against standard white accessories and are offered as part of our standard product range in blue (RAL5002) and charcoal (RAL7021).

Standard colour

Marshall-Tufflex trunking systems are available in solid white RAL 9003.

Standard Colours
WH
WH: White

PVC-U multi-compartment perimeter trunking is available in different heights, designs, cable capacities and numbers of compartments to suit all installation requirements. Standard PVC-U products are supplied in white.

Mono 10
100 x 50mm

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

Page 20

77% Mono 10 trunking assembly is manufactured using 77% recycled material

Odyssey
180 x 57mm

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

Also stocked as a Bio antimicrobial version.

Page 26

62% Odyssey trunking assembly is manufactured using 62% recycled material

Sterling Compact
140 x 50mm

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

Page 21

58% Sterling Compact trunking assembly is manufactured using 58% recycled material

Twin Plus
210 x 57mm

Large dado and skirting trunking with two deep compartments incorporating segregation of power and data.
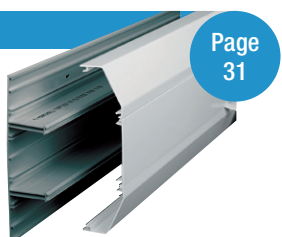
Page 29

55% Twin Plus trunking assembly is manufactured using 55% recycled material

Sterling Curve Profile 1
167 x 50mm

A curved dado trunking with three segregated compartments.

Also stocked as a Bio antimicrobial version.

Page 23

66% Sterling P1 trunking assembly is manufactured using 66% recycled material

XL trunking 201
220 x 65mm

Deep, large capacity three compartment dado system.

Page 31
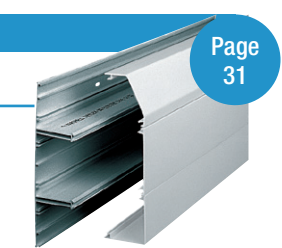
99% XL trunking base is manufactured using 99% recycled material

Sterling Curve Profile 2
167 x 50mm

A curved skirting trunking with three segregated compartments.

Page 23

60% Sterling P2 trunking assembly is manufactured using 60% recycled material

XL trunking 202
220 x 65mm

Deep, large capacity three compartment skirting system.

Page 31

99% XL trunking base is manufactured using 99% recycled material

Specialised Trunking Systems

Cornice
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.
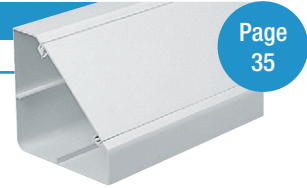
100% Cornice trunking assembly is manufactured using 100% recycled material

Sovereign Plus
75 x 20mm

Skirting trunking with one piece cover.

**100%** Sovereign Plus skirting trunking is manufactured using 100% recycled material

Bench trunking
105 x 105mm

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

50% Bench trunking assembly is manufactured using 50% recycled material

Figures based on production usage from 1/1/20 to 31/12/20.

ALL OF OUR PVC-U PRODUCTS CAN BE RECYCLED...

Prevent PVC-U being placed into landfill by recycling our products at the end of their useful life.
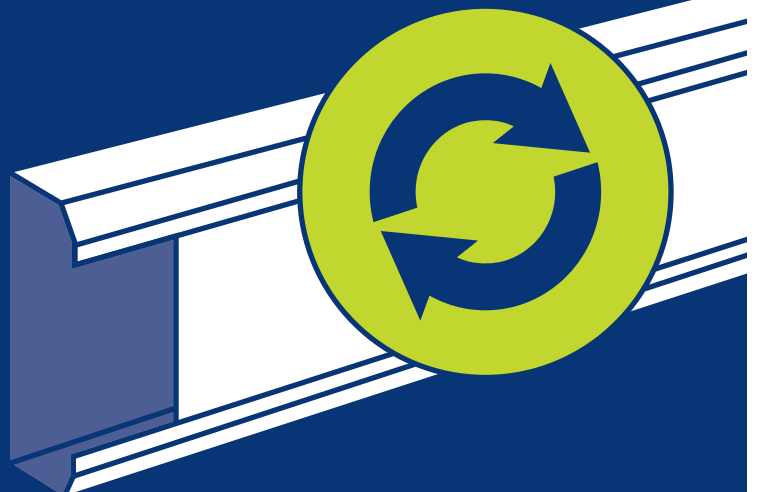
REASSURINGLY RECYCLED

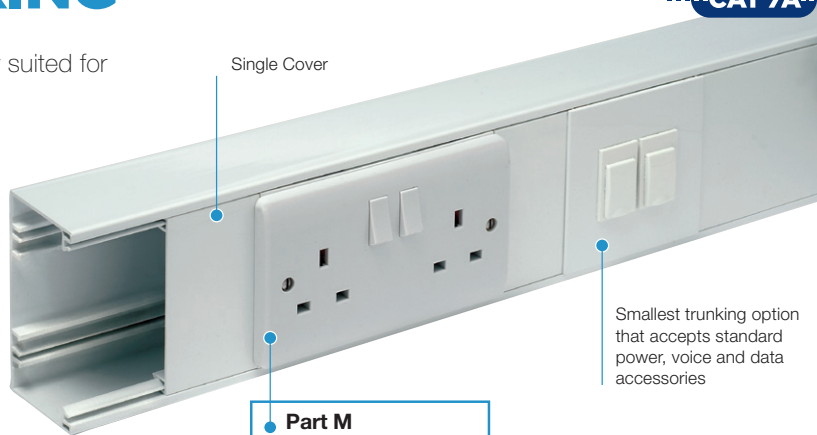# MONO 10 TRUNKING

COMPLIANT UP TO
CAT 7A

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

Single Cover

Product information
- 100 x 50mm
- 1 main compartment
- Can be subdivided
- Suitable for dado application and as a feeder trunking
- Self extinguishing and non-flame propagating PVC-U
- Fire clips available to secure cables within trunking and prevent premature collapse in the event of a fire

Data information
- Compliant up to Cat 7a
- Standard bend radius 25mm
- Adjustable data box 32-40mm

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

Part M

Box assemblies and spacers that meet the requirements of Part M (DDA).

Standard Colour
WH
WH: White

77% Mono 10 trunking assembly is manufactured using 77% recycled material

Basic components

Mono 10 trunking assembly

code	size	pack
EPM10WH	100 x 50mm 1 x 3m	

Dividing tray

code	pack
EDF2	8 x 3m

Fittings

Coupler

code	pack
EC10WH	2

End cap

code	pack
EEC10WH	2

Internal bend

code	pack
EIB10WH	2

External bend

code	pack
EXB10WH	2

Flat angle cover

code	pack
EFA10WH	1

Flat tee

code	pack
EFT10WH	1
Fabricated	

Fire clips

Fire clip Mono 10 centre compartment

code	pack
FCM10C	100

See page 49 for accessory boxes, spacers and plates.

STERLING COMPACT

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

COMPLIANT UP TO
CAT 7A

EMI PROTECTION

Product information

- 140 x 50mm
- 1 main compartment and 2 smaller outer compartments
- Suitable for dado application
- Self extinguishing and non-flame propagating PVC-U
- Fire clips available to secure cables within trunking.
- ETL1 lid is available in charcoal as a Part M compliance option

Data information

- Compliant up to Cat 7a
- Standard bend radius 25mm

Access to each compartment via independent lids.

Three segregated compartments

Part M

Box assemblies and spacers that meet the requirements of Part M (DDA).

Standard Colour
WH
WH: White

58% Sterling Compact trunking assembly is manufactured using 58% recycled material
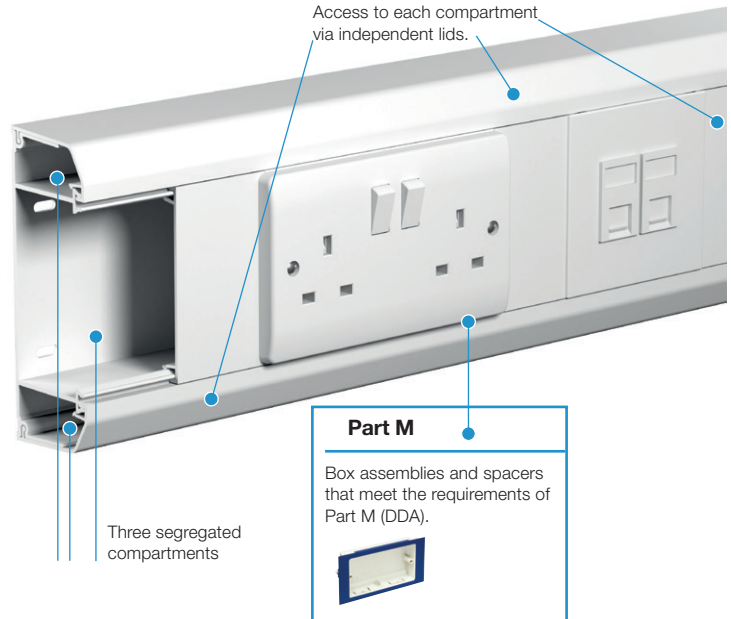
Basic components

Sterling Compact Trunking Assembly

code	size	pack
EPM20WH	140 x 50mm	1 x 3m

Trunking base (including 2 angled outer comp covers)

code	pack
EMT20WH	4 x 3m

Main compartment cover

code	pack
ETL1WH	8 x 3m
ETL1CH	8 x 3m

Fittings

NEW

Coupler

code	pack
EC20WH	2

End cap

code	pack
EEC20WH	2

Internal bend

code	pack
EIB20WH	2

Internal bend adjustable 85°-95°

code	pack
EIBAB20WH	1

NEW

External bend

code	pack
EXB20WH	2

External bend adjustable 85°-95°

code	pack
EXBAB20WH	1

Flat angle - up/down

code	pack
EFA20MWH	1

Moulded cover

Flat tee - up/down

code	pack
EFT20MWH	1

Moulded cover

PVC-U PERIMETER TRUNKING SYSTEMS

Components

Main crossover bridge

code		pack
EMCB1		5

Fire clip

Fire clip Sterling Compact

code		pack
FCSPC	Centre	50
FCM200	Outer	100

Fire clip fixings

Masonry screws & washers

code	pack
FCMS	100

Cavity fixings & screws

code	pack
FCCS	50

We recommend using self tapping masonry or cavity screws and washers for all Fire clip installations in order to assist with meeting BS 7671 Wiring Regulations.

Screening

Steel screening divider

code	pack
ESF1	1 x 1.5m

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

Steel screening divider bonding strap

code	pack
ESF2	5

Bonding strap

code	pack
ESBS1	5

QUALITY REASSURANCE

PVC-U trunking made from recycled windows is more robust than product made from virgin grade material.

REASSURINGLY RECYCLED

STERLING CURVE

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

Product information

- 167 x 50mm
- 3 segregated compartments
- Suitable for dado and skirting application
- Boxes available to comply with Part M (DDA)
- ETL1 lid is available in charcoal as a Part M compliance option
- Single piece moulded fittings
- Flat Tees and Flat Angles have integral bend radius control
- Profile 1 is available as a BIO version with antimicrobial properties inherent to the PVC-U material
- Self extinguishing and non-flame propagating PVC-U
- Fire clips available to secure cables within trunking and prevent premature collapse in the event of a fire

Data information

- Compliant up to Cat 7a
- Standard bend radius 25mm
- Adjustable data box 32-40mm
- Steel screening divider available to BS EN 50714-2
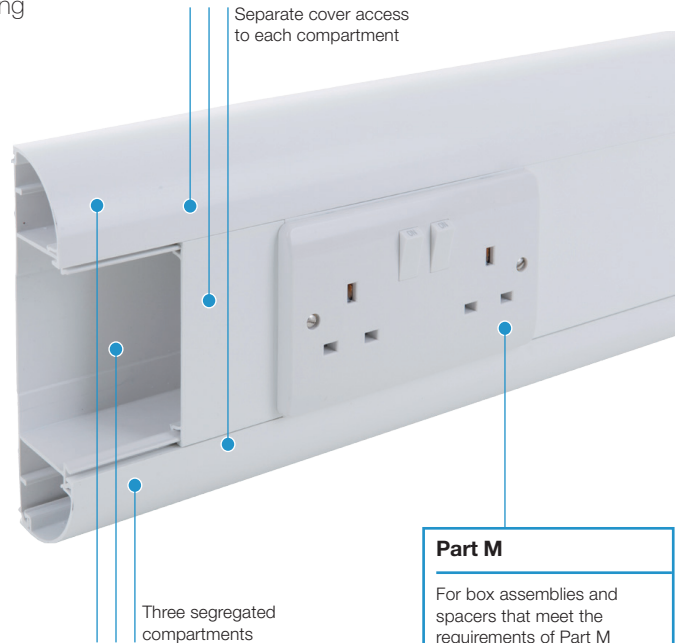
COMPLIANT UP TO **CAT 7A** · ANTIMICROBIAL **BIO** TRUNKING · **EMI** PROTECTION

Separate cover access to each compartment

Three segregated compartments

Part M

For box assemblies and spacers that meet the requirements of Part M (DDA).

PVC-U PERIMETER TRUNKING SYSTEMS

Standard Colours
WH
WH: White

66% Sterling P1 trunking assembly is manufactured using 66% recycled material

60% Sterling P2 trunking assembly is manufactured using 60% recycled material

Trunking profiles

Curve Profile 1 trunking assembly

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

Curve Profile 2 trunking assembly

code	size	pack
CEP2MWH	167 x 50mm	1 x 3m

Basic components

Base unit

code	pack
ETB1M	4 x 3m

Please note the colour of the unseen base ETB1M may vary

ETB1M can be used as part of a Bio trunking system as base will be covered by lids.
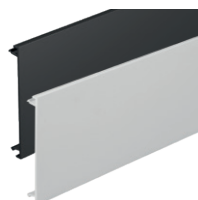
Main compartment cover

code	colour	pack
ETL1WH	white	8 x 3m
ETL1BIOWH	white bio	8 x 3m
ETL1CH	charcoal	8 x 3m

Curve cover

code	colour	pack
CETC1WH	white	8 x 3m
CETC1BIOWH	white bio	8 x 3m

Square cover

code	pack
ETSC1WH	8 x 3m

Curve Profile 1 fittings

Profile 1 Coupler

code	pack
CECP1MWH	2
CECP1MBIOWH	2

Profile 1 End cap

code	pack
CEECP1MWH	2
CEECP1MBIOWH	2

Profile 1 Internal bend

code	pack
CEIBP1MWH	2
CEIBP1MBIOWH	2

Profile 1 Internal bend adjustable 85º-95º

NEW

code	pack
CEIBP1ABWH	1

Profile 1 External bend

code	pack
CEXBP1MWH	2
CEXBP1MBIOWH	2

Profile 1 External bend adjustable 85º-95º

NEW

code	pack
CEXBP1ABWH	1

Profile 1 Flat angle cover (ABS)

code	pack
CEFA1MWH	1

Profile 1 Flat angle complete (ABS)

code	pack
CEFA1MBWH	1
CEFA1MBBIOWH	1

Profile 1 Flat tee cover (ABS)

code	pack
CEFT1MWH	1

Profile 1 Flat tee complete (ABS)

code	pack
CEFT1MBWH	1
CEFT1MBBIOWH	1

Curve Profile 2 fittings

Profile 2 Coupler

code	pack
CECP2MWH	2

Profile 2 End cap

code	pack
CEECP2MRHWH (right)	2
CEECP2MLHWH (left)	2

Profile 2 Internal bend

code	pack
CEIBP2MWH	2

Profile 2 External bend (ABS)

code	pack
CEXBP2MWH	2

Profile 2 Flat angle up cover (ABS)

code	pack
CEFA2UMWH	1

Profile 2 Flat angle up complete (ABS)

code	pack
CEFA2UMBWH	1

Profile 2 Flat tee up cover (ABS)

code	pack
CEFT2MWH	1

Profile 2 Flat tee up complete (ABS)

code	pack
CEFT2MBWH	1

Components

Main crossover bridge

code	pack
EMCB1	5

Angled cable retainer

code	pack
EACR1	10

Fire clips

Fire clip Sterling centre compartment

code	pack
FCSPC	50

Fire clip Sterling curve compartment

code	pack
FCSPAC	100

Fire clip Sterling square compartment

code	pack
FCSPS	100

Fire clip fixings

Masonry screws & washers

code	pack
FCMS	100

Cavity fixings & screws

code	pack
FCCS	50

We recommend using self tapping masonry or cavity screws and washers for all Fire clip installations in order to assist with meeting BS 7671 Wiring Regulations.
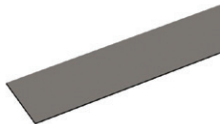
Screening

Steel screening divider

code	pack
ESF1	1 x 1.5m

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

Steel screening divider bonding strap

code	pack
ESF2	5

Bonding strap

code	pack
ESBS1	5

See page 49 for accessory boxes, spacers and plates.

Sterling Curve Trunking

Sterling Curve features a host of practical features for quick and easy installation

Part M Boxes
Boxes available to meet Part M/DDA requirements for visual impairment

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

Profile 1 trunking and fittings
available with antimicrobial BIO properties inherent to the PVC-U

Single piece moulded fittings
Flat tees and angles with integral 25mm bend radius control

Adjustable Data boxes
Adjustable from 32-40mm

Gently contoured profile
Easy to clean
Impossible to clutter

ODYSSEY

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

COMPLIANT UP TO CAT 7A
ANTIMICROBIAL BIO TRUNKING
EMI PROTECTION

Product information

• 180 x 57mm
• 1 main compartment and 2 smaller outer compartments
• Can be subdivided by using EDF1 dividing fillet
• Suitable for dado application
• Tamper resistant covers and fittings
• Self extinguishing and non-flame propagating PVC-U
• Fire clips available to secure cables within trunking and prevent premature collapse in the event of a fire
• Odyssey trunking and fittings are available with antimicrobial BIO properties inherent to the PVC-U

Data information

• Compliant up to Cat 7a
• Standard bend radius 25mm
• Data fittings available for bend radius up to 65mm
• Steel screening divider available to BS EN 50714-2
• Adjustable data box 32-40mm

Curved profile does not allow placement of objects

Coloured accessory boxes available that meet the requirements of Part M (DDA).

Internally reinforced for extra mechanical strength

Tamper resistant fittings that locate with a special clip design
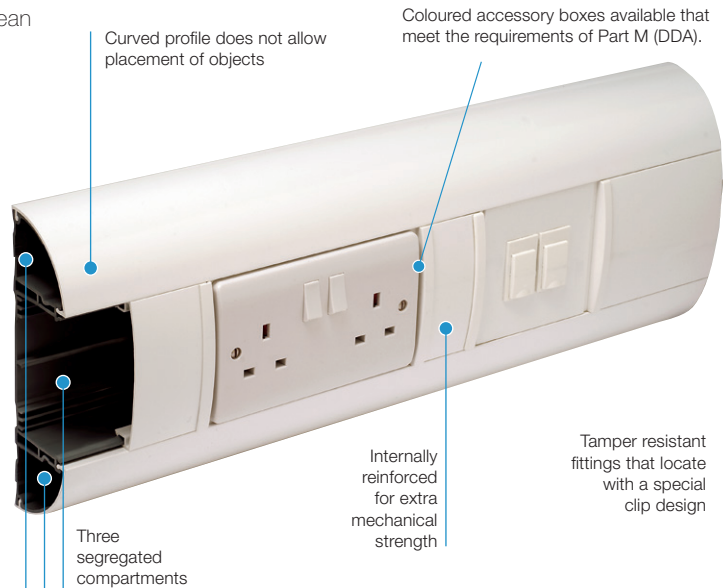
Three segregated compartments

Trunking profile
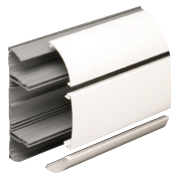
Trunking assembly (base and 3 covers)

Standard Colour
WH
WH: White

62% Odyssey trunking assembly is manufactured using 62% recycled material

code	description	pack
DD1WH	180 x 57mm	1 x 3m
DD1B	Bio	1 x 3m
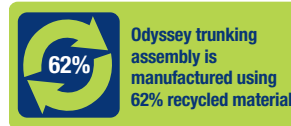
Fittings (ABS)

Coupler

code		pack
DD1210WH		1
DD1213WH	Bio	1

End cap

code		pack
DD1230WH		2
DD1233WH	Bio	2

Internal bend

code		pack
DD1310WH		1
DD1313WH	Bio	1

Internal bend adjustable

code	adjustable	pack
DD1330WH	85–95°	1

External bend

code		pack
DD1350WH		1
DD1353WH	Bio	1

External bend adjustable

code	adjustable	pack
DD1370WH	85 – 95°	1

Flat angle up/down

code		pack
DD1410WH		1
DD1413WH	Bio	1
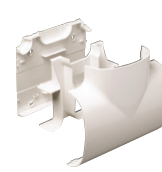
Flat tee 3 part assembly – up/down

code		pack
DD1430WH		1
DD1433WH	Bio	1

Fittings and boxes

Conduit adaptor (ABS)

code	size	pack
DD1720WH	20mm	1

Fabricated using PVC-U and ABS

RCD housing

code	pack
DD1580MWH	1

Up to 4 modules can be accommodated

Note: RCDs are not supplied by Marshall-Tufflex

1 gang accessory box (ABS)

code	depth	pack
DD1510WH	30mm	20
DD1513WH	30mm Bio	20

---

*Box adaptors

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

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

---

2 gang accessory box (ABS)

code	description	pack
DD1520WH	30mm	10
DD1523WH	30mm Bio	10

*1 gang adjustable depth box (ABS)

code	depth	pack
*DD1540WH	32 – 40mm	10

*2 gang adjustable depth box (ABS)

code	depth	pack
*DD1550WH	32 – 40mm	10

Accessory box adaptor (ABS)

code	pack
DD1590WH	1 pair

Each pack contains 2 adaptors

---

1 gang power and data mounting frame

code	pack
DD1560WH	2
DD1561WH Bio	2

2 gang power and data mounting frame

code	pack
DD1570WH	2
DD1571WH Bio	2

1 gang accessory box (30mm depth)

code	colour	pack
DD1510BU	blue	20
DD1510CH	charcoal	20

2 gang accessory box (30mm depth)

code	colour	pack
DD1520BU	blue	10
DD1520CH	charcoal	10

Fire clips

Fire clip Odyssey centre compartment

code	pack
FCOC	50

Fire clip Odyssey outer compartment

code	pack
FCOO	100

Fire clip fixings

Masonry screws & washers

code	pack
FCMS	100

Cavity fixings & screws

code	pack
FCCS	50

We recommend using self tapping masonry or cavity screws and washers for all Fire clip installations in order to assist with meeting BS 7671 Wiring Regulations.
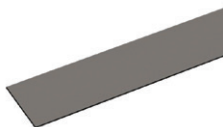
Screening

Steel screening divider

code	pack
ESF1	1 x 1.5m

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

Steel screening divider bonding clip
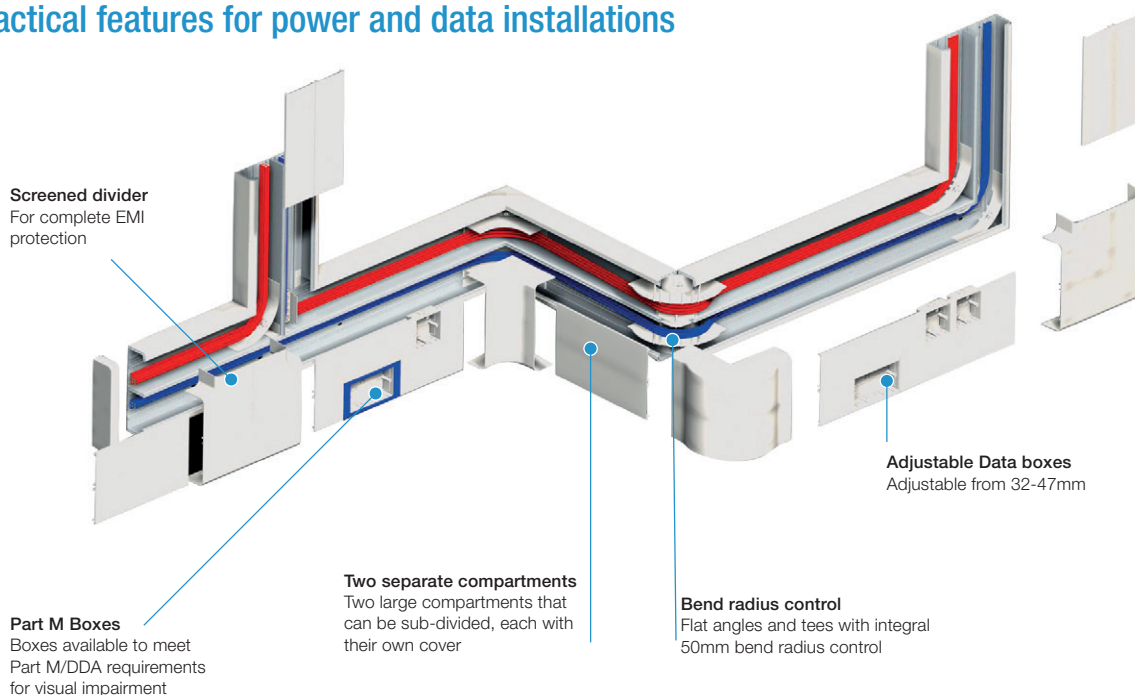
code	pack
ESF3	5

Bonding strap

code	pack
ESBS1	5

Odyssey Trunking

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

No mitering/cutting of corners required.

Trunking and fittings
available with antimicrobial BIO properties inherent to the PVC-U

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

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

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

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

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

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

WE ARE DRIVING...

For all PVC-U products installed in buildings to be manufactured using 50% recycled material by 2028.

USE 50%

REASSURINGLY RECYCLED

TWIN PLUS TRUNKING

COMPLIANT UP TO
CAT 7A

EMI PROTECTION

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

Product information
- 210 x 57mm
- 2 large segregated compartments
- Can be subdivided
- Separate cover access to each compartment
- Suitable for skirting and dado application
- Self extinguishing and non-flame propagating PVC-U
- Fire clips available to secure cables within trunking and prevent premature collapse in the event of a fire
- ETL1 lid is available in charcoal as a Part M compliance option

Data information
- Compliant up to Cat 7a
- 50mm bend radius fittings
- Adjustable data box 32-47mm
- Steel screening divider available to BS EN 50714-2

Standard Colour
WH
WH: White
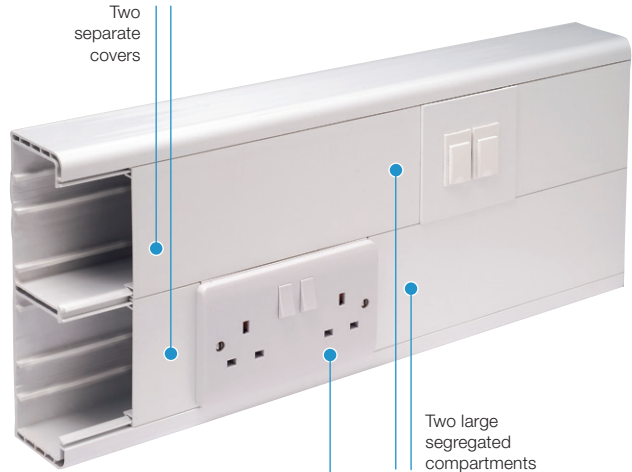
55% Twin Plus trunking assembly is manufactured using 55% recycled material

Two separate covers

Two large segregated compartments

Part M

Box assemblies and spacers that meet the requirements of Part M (DDA).

PVC-U PERIMETER TRUNKING SYSTEMS

Basic components

Base unit

code	pack
EMT60WH	2 x 3m
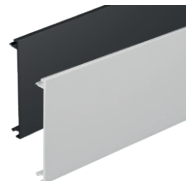
Cover

code	pack
ETL1WH	8 x 3m
ETL1CH	8 x 3m
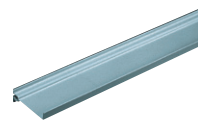
Dividing fillet – PVC-U

code	pack
EDF1	8 x 3m

Fittings (ABS)

Coupler

code	pack
EC60WH	1

End cap

code	pack
EEC60WH	1

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

External bend assembly – large

code	pack
EXB60WH	1

Internal bend assembly

code	pack
EIB60WH	1

External bend assembly – standard

code	pack
ESXB60WH	1

Capacity reduced by 50%

Flat angle assembly

code	pack
EFA60WH	1
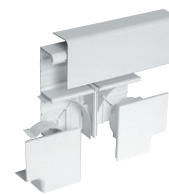
Flat tee assembly

code	pack
EFT60WH	1

Firefly clips

Fire clip Twin Plus

code	pack
FCTP	10

Fire clip fixings

Masonry screws & washers

code	pack
FCMS	100

Cavity fixings & screws

code	pack
FCCS	50

We recommend using self tapping masonry or cavity screws and washers for all Fire clip installations in order to assist with meeting BS 7671 Wiring Regulations.
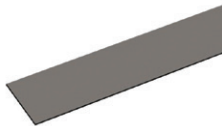
Screening

Steel screening divider

code	pack
ESF60	1 x 1.5m

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

Steel screening divider bonding strap

code	pack
ESF2	5

Bonding strap

code	pack
ESBS1	5

Twin Plus

Twin Plus is a high cable capacity trunking system with a variety of practical features for power and data installations

Screened divider
For complete EMI protection

Part M Boxes
Boxes available to meet Part M/DDA requirements for visual impairment

Two separate compartments
Two large compartments that can be sub-divided, each with their own cover

Bend radius control
Flat angles and tees with integral 50mm bend radius control

Adjustable Data boxes
Adjustable from 32-47mm

XL TRUNKING 201 AND 202

XL Trunking 201 and 202 are deep, large capacity 3 compartment, segregated containment systems.

COMPLIANT UP TO
CAT 7A

EMI PROTECTION

Product information

- 220 x 65mm
- 1 full and 2 half size compartments
- XL201 for dado installation only
- 3 deep segregated compartments
- Can be subdivided
- Suitable for dado and skirting application
- Can be fed from larger trunking systems for increased cable distribution
- Boxes available to comply with Part M (DDA)
- Self extinguishing and non-flame propagating PVC-U
- ETL1 lid is available in charcoal as a Part M compliance option

Data information

- Compliant up to Cat 7a*
- Adjustable data box 32-47mm
- Steel screening divider available to BS EN 50714-2

Dividing fillet option for centre compartment

Three separate covers

Three deep compartments for extra cable capacity
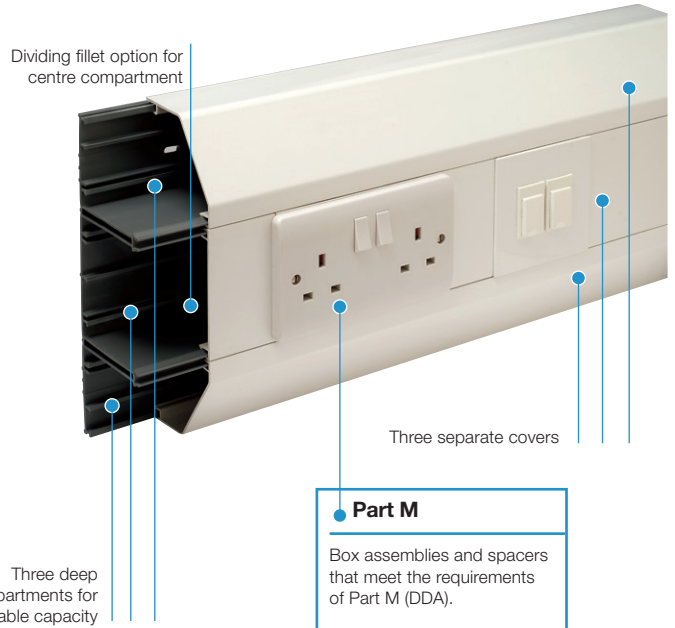
Part M

Box assemblies and spacers that meet the requirements of Part M (DDA).

Standard Colour
WH
WH: White

99% XL trunking base is manufactured using 99% recycled material

Trunking profiles

XL201

size	220 x 65mm

XL202

size	220 x 65mm
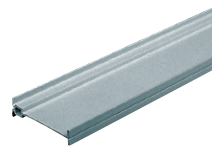
Dividing fillet

code	pack
ELDF200	8 x 3m

Basic components

Base unit

code	pack
ELTB200	4 x 3m
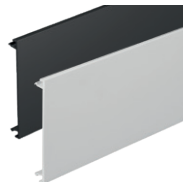
Main compartment cover

code	pack
ETL1WH	8 x 3m
ETL1CH	8 x 3m

Angled cover

code	pack
ELAC200WH	8 x 3m

Square cover

code	pack
ELSC200WH	8 x 3m

Please see page 49 for accessory boxes, spacers and plates

XL201 fittings

XL201
Coupler

code	pack
EC201WH	5

XL201
End cap

code	pack
EEC201WH	5

Universal for both LH & RH

XL201
Internal bend

code	pack
EIB201WH	5

XL201
External bend

code	pack
EXB201WH	5

XL201
Flat angle

code	pack
EFA201WH	1

XL201
Flat tee

code	pack
EFT201WH	1

XL202 fittings

XL202
Coupler

code	pack
EC202WH	5

XL202
End cap

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

XL202
Internal bend

code	pack
EIB202WH	5

XL202
External bend

code	pack
EXB202WH	5
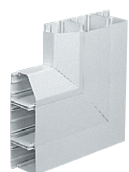
XL202
Flat angle – upward

code	pack
EFA202UWH	1

XL202
Flat angle – downward

code	pack
EFA202DWH	1

Screening

Steel screening divider

code	pack
ESF200	1 x 1.5m

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

Steel screening divider bonding strap

code	pack
ESF2	5

Bonding strap

code	pack
ESBS1	5

Please see page 49 for accessory boxes, spacers and plates

CORNICE TRUNKING

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

Product information

- 50 x 50mm
- Designed for use with MMT2 mini trunking (see page 39)
- 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
- Self extinguishing and non-flame propagating PVC-U

Standard Colour
WH
WH: White

100% Cornice trunking is manufactured using 100% recycled material

Removable cover

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
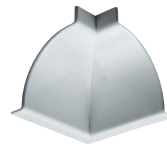
Internal bend

code	pack
MCIB1WH	10

External bend

code	pack
MCEB1WH	10

Corner adaptor LH to Mini trunking

code	size	pack
MCCD2LHWH	MMT2	10

Corner adaptor RH to Mini trunking

code	size	pack
MCCD2RHWH	MMT2	10

Trunking adaptor to MMT2 Mini trunking

code	pack
MCTA2WH	10

SOVEREIGN PLUS TRUNKING

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
- Designed for use with MMT2 mini trunking (see page 39)
- Self extinguishing and non-flame propagating PVC-U

Standard Colour
WH
WH: White

100% Sovereign Plus skirting trunking is manufactured using 100% recycled material

Special recess to allow skirting to fit tight to wall

Smooth one-piece cover provides a smart and easy to clean surface
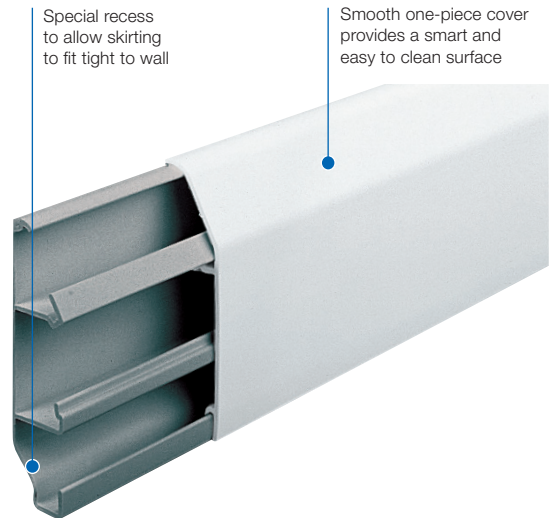
Trunking profile

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

BENCH TRUNKING

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
- Adjustable data box 32-47mm
- Compliant up to Cat 7a
- Self extinguishing PVC-U
- ETL1 lid is available in charcoal as a Part M compliance option

Standard Colour
WH
WH: White

50% Bench trunking base is manufactured using 50% recycled material

Single or double-sided configuration - for double sided versions, use two single-sided trunking assemblies back-to-back and couple using double-sided end caps

COMPLIANT UP TO **CAT 7A**

PVC-U PERIMETER TRUNKING SYSTEMS

Can be segregated by using dividing fillets
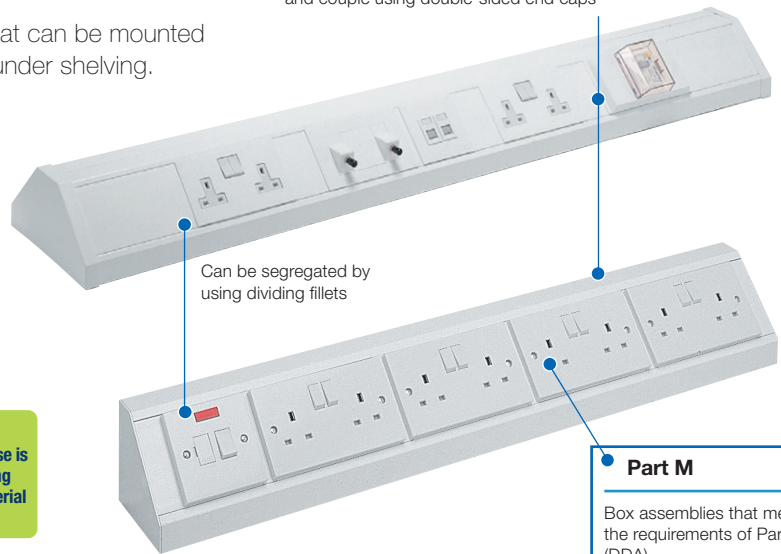
Part M

Box assemblies that meet the requirements of Part M (DDA).

Trunking profile

Trunking assembly

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

Dividing fillet

code	pack
BDF105WH	4 x 3m

Fittings

Coupler

code	pack
BTC105WH	1

End caps

code	descripton	pack
BEC105WH	Single sided	2
BECP210WH	Double sided	2

Internal bend

code	pack
BIA105WH	1

Couplers required with bends

External bend

code	pack
BEA105WH	1

Couplers required with bends

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

Bench units

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

Email sales@marshall-tufflex.com   www.marshall-tufflex.com

Firefly

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

firefly ™
FIXINGS
from **Marshall-Tufflex**

To comply with BS 7671:2018 IET Wiring Regulations, Marshall-Tufflex supply a range of Firefly fire clips to secure cables internally or externally of trunking or conduit. The clips are designed to secure all surface cables throughout an installation.

- Fire safety clips to comply with BS 5839-1
- For use with 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

Regulations

Regulations state that wiring systems shall be supported such that they will not be liable to premature collapse in the event of a fire.

Firefly clips meet the requirements of the current version of BS 7671 Wiring Regulations to secure surface cables and to avoid the risk of entanglement in the event of a fire.

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 7671:2018
IET Wiring Regulations**

See chapter 52 Selection and Erection of Wiring Systems 521.10.202 of the IET Wiring Regulations

MINI AND MAXI TRUNKING

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

REASSURINGLY RECYCLED

Marshall Tufflex

MINI AND MAXI TRUNKING
=======================

Our Mini and Maxi trunking systems are easy to install, light to handle and cost-effective to use. We have a wide range of PVC-U trunking solutions in different heights, designs, cable capacities for the distribution of power and data; making it an excellent choice of material for the majority of commercial, education and healthcare environments. PVC-U is a self-extinguishing material and therefore helps to stop the spread of fire.

Our white Mini and Maxi trunking lengths are manufactured using 100% recycled content.

REASSURINGLY RECYCLED

Standard colour

Mini and Maxi trunking systems are available in solid white RAL 9003.

Maxi trunking is also available ex-stock in clear PVC-U at the 50 x 50mm size.

Standard colour
WH
WH: White

Mini trunking
10 x 8mm to 38 x 38mm

Range of small size containment for general wiring. Standard and self-fix options are available. Punched profiles for single compartment and self-fixing trunking now available.

Page 39

Mini trunking lengths are manufactured using 100% recycled material

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.

Page 42

Maxi trunking lengths are manufactured using 100% recycled material

Environmental & sustainability

- We use recycled PVC-U in our manufacturing process, reducing carbon emissions in doing so.
- Research has shown that the use of recycled PVC offers a 20-fold reduction in greenhouse gas (GHG) emissions compared to virgin product. 100% recyclable material and has a long life cycle. We encourage our products to be recycled at the end of their useful life.
- PVC-U is a cost-effective, sustainable choice and comparable with other materials such as steel, aluminium, copper and wood.
- Virgin grade PVC-U has the lowest oil content of a commodity plastic.
- 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.

EMI protection

- Steel dividers are available for certain sizes of trunking, please contact our Technical team for further details on +44 (0) 1424 856688.

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.
- Chars and is self-extinguishing.
- 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.
- Does not produce flaming droplets or burning debris.

*see the independent report at www.beama.org.uk

MINI TRUNKING

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 38 x 38mm
- Self-fixing systems and punched systems available
- Self extinguishing and non-flame propagating PVC-U
- Punched holes compatible with Firefly fire safety clips
- Fire clips available to secure cables and prevent premature collapse in the event of a fire

Standard colour
WH
WH: White

REASSURINGLY RECYCLED

OUR WHITE MINI TRUNKING LENGTHS ARE MANUFACTURED USING 100% RECYCLED MATERIAL.
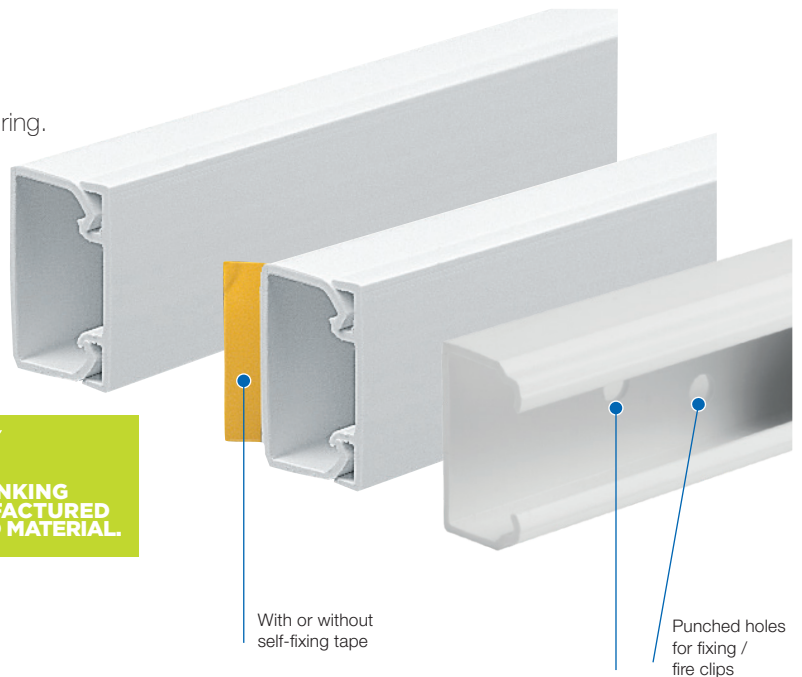
With or without self-fixing tape

Punched holes for fixing / fire clips

MINI AND MAXI TRUNKING

Standard profiles

Mini trunking profiles

code	size	pack
MMT1WH	16 x 16mm	30 x 3m
MMT2WH	25 x 16mm	30 x 3m
MMT3WH	38 x 16mm	15 x 3m
MMT4WH	38 x 25mm	15 x 3m
MMT5WH	50 x 25mm	12 x 3m
MMT6WH	38 x 38mm	6 x 3m

Self fixing profiles

Self fix Mini trunking profiles

code	size	pack
MMT00SFWH	10 x 8mm	40 x 3m
MMT0SFWH	18 x 9mm	20 x 3m
MMT1SFWH	16 x 16mm	30 x 3m
MMT2SFWH	25 x 16mm	30 x 3m
MMT3SFWH	38 x 16mm	15 x 3m
MMT4SFWH	38 x 25mm	15 x 3m

Punched profiles
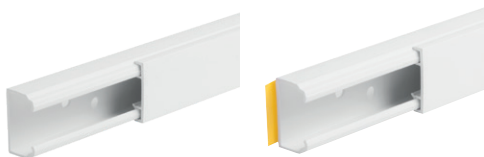
Punched profiles

code	size	pack
MMTH2WH	25 x 16mm	30 x 3m
MMTH4WH	38 x 25mm	15 x 3m

Punched profiles self fix

code	size	pack
MMTH2SFWH	25 x 16mm	30 x 3m
MMTH4SFWH	38 x 25mm	15 x 3m

OUR WHITE MINI TRUNKING LENGTHS ARE MANUFACTURED USING 100% RECYCLED MATERIAL.

100%

MINI AND MAXI TRUNKING

Fittings

External coupler

code	system size	pack
TC1WH	16 x 16mm	40
TC2WH	25 x 16mm	40
TC3WH	38 x 16mm	25
TC4WH	38 x 25mm	25
TC5WH	50 x 25mm	20
TC6WH	38 x 38mm	10

End cap

code	system size	pack
TEC1WH	16 x 16mm	100
TEC2WH	25 x 16mm	100
TEC3WH	38 x 16mm	50
TEC4WH	38 x 25mm	30
TEC5WH	50 x 25mm	20
TEC6WH	38 x 38mm	20

Internal bend

code	system size	pack
TIB1WH	16 x 16mm	50
TIB2WH	25 x 16mm	30
TIB3WH	38 x 16mm	25
TIB4WH	38 x 25mm	25
TIB5WH	50 x 25mm	20
TIB6WH	38 x 38mm	10

Please note

There are no fittings for MMT00SFWH & MMT0SFWH.

External bend

code	system size	pack
TEB1WH	16 x 16mm	50
TEB2WH	25 x 16mm	30
TEB3WH	38 x 16mm	25
TEB4WH	38 x 25mm	25
TEB5WH	50 x 25mm	20
TEB6WH	38 x 38mm	10

Flat angle

code	system size	pack
TFB1WH	16 x 16mm	60
TFB2WH	25 x 16mm	30
TFB3WH	38 x 16mm	25
TFB4WH	38 x 25mm	20
TFB5WH	50 x 25mm	20
TFB6WH	38 x 38mm	10

Equal tee

code	system size	pack
TT1-1WH	16 x 16mm	20
TT2-2WH	25 x 16mm	30
TT3-3WH	38 x 16mm	25
TT4-4WH	38 x 25mm	20
TT5-5WH	50 x 25mm	20
TT6-6WH	38 x 38mm	10

Unequal tee

code	system size	pack
TT2-1WH	25 x 16mm	30
TT4-2WH	38 x 25mm	20

Ceiling tee

code	system size	pack
TCT2/2WH	25 x 16mm	10
TCT4/2WH	38 x 25mm	10

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 MMT1/2/3

code	size	pack
TA1WH	MMT1	50
TA2WH	MMT2	50
TA3WH	MMT3	20
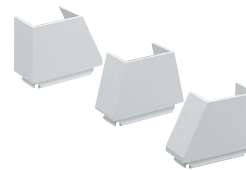
Tapered adaptors MMT1 & 2 to fit TA3 aperture

code	size	pack
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

PVC pipe cutter

code	pack
MTPC42	1

Mini trunking fire clips

Fire clip internal MMT2

code	trunking size	pack
FCMMT2	25 x 16mm	100

Fire clip internal MMT3

code	trunking size	pack
FCMMT3	38 x 16mm	100

Fire clip internal MMT4

code	trunking size	pack
FCMMT4	38 x 25mm	100

Fire clip internal MMT5

code	trunking size	pack
FCMMT5	50 x 25mm	100

Fire clip internal MMT6

code	trunking size	pack
FCMMT6	38 x 38mm	100

Fire clip external MMT2

code	trunking size	pack
FCXMMT2	25 x 16mm	100

Fire clip external MMT4

code	trunking size	pack
FCXMMT4	38 x 25mm	100

Fire clip fixings

Masonry screws & washers

code	pack
FCMS	100

Cavity fixings & screws

code	pack
FCCS	50

We recommend using self tapping masonry or cavity screws and washers for all Fire clip installations in order to assist with meeting BS 7671 Wiring Regulations.

MINI AND MAXI TRUNKING

Not only are we reducing landfill;

MANUFACTURING FROM RECYCLED PVC-U REDUCES CARBON EMISSIONS BY 20 TIMES VS VIRGIN MATERIAL

CO_2

REASSURINGLY RECYCLED

REASSURINGLY RECYCLED

MINI AND MAXI TRUNKING

MAXI TRUNKING

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
- Self extinguishing and non-flame propagating PVC-U
- Fire clips available to secure cables and prevent premature collapse in the event of a fire

Standard Colour
WH
WH: White

REASSURINGLY RECYCLED   OUR WHITE MAXI LENGTHS ARE MANUFACTURED USING 100% RECYCLED MATERIAL.
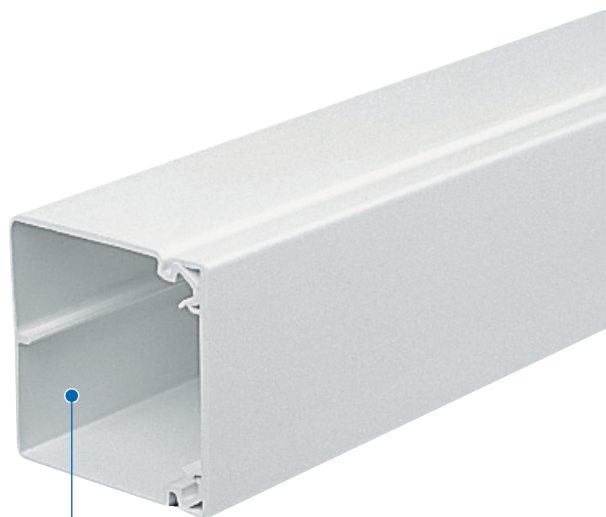
Single compartments are subdividable

Trunking profiles

Maxi trunking profiles

code	system size	pack
MTRS50WH	50 x 50mm	8 x 3m
MTRS75/50WH	75 x 50mm	4 x 3m
MTRS75WH	75 x 75mm	4 x 3m
MTRS100/50WH	100 x 50mm	4 x 3m
MTRS100WH	100 x 100mm	4 x 3m
MTRS150WH	150 x 150mm	2 x 3m

Dividing fillet

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

Clear Maxi trunking

Clear MTRS50

code	size	pack
MTRS50CL	50 x 50mm	4 x 3m

Clear TCCS50 coupler

code	pack
TCCS50CL	10

Fittings

Internal coupler

code	system size	pack
TICS50WH	50 x 50mm	10
TICS75/50WH	75 x 50mm	10
TICS75WH	75 x 75mm	5
TICS100/50WH	100 x 50mm	5
TICS100WH	100 x 100mm	5
TICS150WH	150 x 150mm	5

External coupler

code	system size	pack
TCCS50WH	50 x 50mm	10
TCCS75/50WH	75 x 50mm	10
TCCS75WH	75 x 75mm	10
TCCS100/50WH	100 x 50mm	10
TCCS100WH	100 x 100mm	2

End cap

code	system size	pack
TECS50WH	50 x 50mm	10
TECS75/50WH	75 x 50mm	10
TECS75WH	75 x 75mm	5
TECS100/50WH	100 x 50mm	5
TECS100WH	100 x 100mm	5
TECS150WH	150 x 150mm	1

Internal 90° bend (clip-on)

code	system size	pack
TIAS50CWH	50 x 50mm	1
TIAS100/50CWH	100 x 50mm	1

Internal 90° bend (fabricated)

code	system size	pack
TIAS75/50WH	75 x 50mm	1
TIAS75WH	75 x 75mm	1
TIAS100WH	100 x 100mm	1
TIAS150WH	150 x 150mm	1

External 90° bend (clip-on)

code	system size	pack
TOAS50CWH	50 x 50mm	1
TOAS100/50CWH	100 x 50mm	1

External 90° bend (fabricated)

code	system size	pack
TOAS75/50WH	75 x 50mm	1
TOAS75WH	75 x 75mm	1
TOAS100WH	100 x 100mm	1
TOAS150WH	150 x 150mm	1

90° flat angle (clip-on)

code	system size	pack
TFAS50CWH	50 x 50mm	1
TFAS100/50CWH	100 x 50mm	1
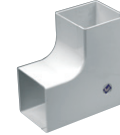
90° flat angle (moulded)

code	system size	pack
TFAS75/50MWH	75 x 50mm	1
TFAS75MWH	75 x 75mm	1

90° flat angle (fabricated)

code	system size	pack
TFAS100FWH	100 x 100mm	1
TFAS150FWH	150 x 150mm	1

Flat tee (fabricated)

code	system size	pack
TFTS50WH	50 x 50mm	1
TFTS75/50WH	75 x 50mm	1
TFTS75WH	75 x 75mm	1
TFTS100/50WH	100 x 50mm	1
TFTS100WH	100 x 100mm	1
TFTS150WH	150 x 150mm	1

Flat crossover fabricated

code	system size	pack
TCUS100/50WH	100 x 50mm	1

MINI AND MAXI TRUNKING

Fittings

Cable retainer

code	size	pack
TCRS50	50 x 50mm	10
TCRS75	75 x 50mm / 75 x 75mm	10
TCRS100	100 x 50mm / 100 x 100mm	10
TCRS150	150 x 150mm	5

Boxes and plates

1 gang accessory box

code	pack
TSS03WH	20

For MTRS100/50 and MTRS100.
Internal depth 30mm
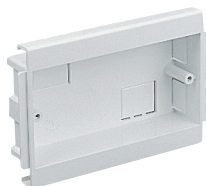
2 gang accessory box

code	pack
TSS04WH	10

For MTRS100/50 and MTRS100.
Internal depth 30mm
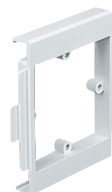
1 gang accessory plate

code	pack
MTSPS1WH	15

For MTRS100/50 and MTRS100.

2 gang accessory plate

code	pack
MTSPS2WH	15

For MTRS100/50 and MTRS100.

Maxi trunking fire clips

Fire clip internal MTRS50

code	trunking size	pack
FCMTRS50	50 x 50mm	50

Fire clip internal MTRS75/50

code	trunking size	pack
FCMTRS75/50	75 x 50mm	50

Fire clip internal MTRS75

code	trunking size	pack
FCMTRS75	75 x 75mm	50

Fire clip internal MTRS100

code	trunking size	pack
FCMTRS100	100 x 100mm	50

Fire clip internal MTRS100/50

code	trunking size	pack
FCMTRS100/50	100 x 50mm	50

Fire clip fixings

Masonry screws & washers

code	pack
FCMS	100

Cavity fixings & screws

code	pack
FCCS	50

We recommend using self tapping masonry or cavity screws and washers for all Fire clip installations in order to assist with meeting BS 7671 Wiring Regulations.

ACCESSORY BOXES, PLATES AND ENCLOSURES

Surface and flush accessory boxes, enclosures and accessories for use with trunking and conduit.

Marshall Tufflex

ACCESSORY BOXES, PLATES AND ENCLOSURES

SWITCH AND SOCKET BOXES

Switch and socket boxes for use with conduit or mini trunking with a range of knockout options.

Product information

- Universal box options with knockouts for both conduit and mini
- Radius and square corner variants
- External dimensions: 1 gang - 87 x 87mm; 2 gang - 87 x 147mm
- M3.5 brass inserts
- Can be cut and drilled without the risk of shattering
- Boxes comply with BS 4662:2006+A1:2009
- Moulded enclosures and earth rod boxes

Square corners

Conduit knockouts

Radius corners
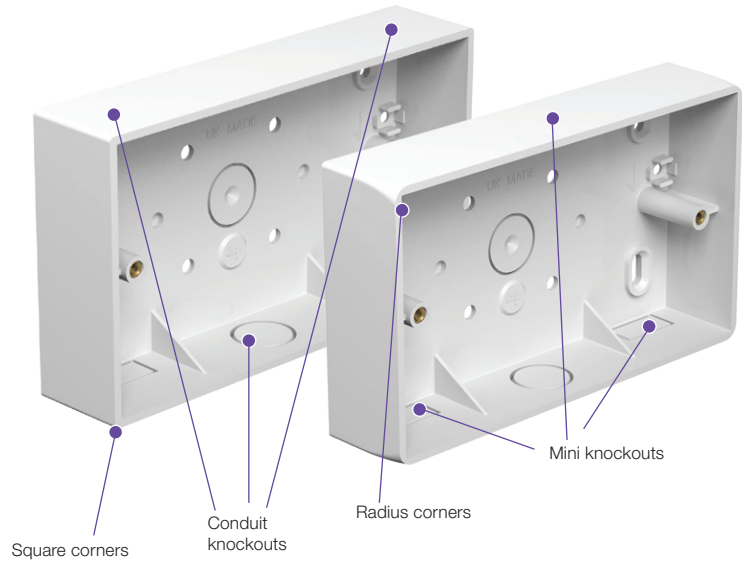
Mini knockouts

Square corners

1 gang accessory box with KO 3 x MMT2 & 3 x MMT1

code	depth	pack
MSSB28WH	19mm	20

1 gang accessory box with KO 1 x MMT2 & 1 X CR6/CR2

code	depth	pack
MSSB91WH	32mm	20
MSSB71WH	44mm	10

2 gang accessory box with KO 3 x MMT2 & 3 X CR6/CR2

code	depth	pack
MSSB92WH	32mm	10
MSSB72WH	44mm	5

Standard Colour
WH
WH: White

Radius corners

1 gang accessory box with KO 3 x MMT2 & 3 x MMT1

code	depth	pack
MSSB27WH	19mm	20

1 gang accessory box with KO 1 x MMT2 & 1 x CR6/CR2

code	depth	pack
MSSB93WH	32mm	20
MSSB73WH	44mm	10

2 gang accessory box with KO 3 x MMT2 & 3 x CR6/CR2

code	depth	pack
MSSB94WH	32mm	20
MSSB74WH	44mm	10

2 x 1 gang accessory box with KO 2 x MMT2

code	depth	pack
MSSB82WH	32mm	10

UNIVERSAL SWITCH & SOCKET BOXES

Marshall-Tufflex Universal boxes have handy knockouts for both 20mm conduit and 25x16mm mini trunking, meaning less variations to store and manage.

The single gang boxes feature one central knockout for mini trunking and one central knockout for conduit. Twin gang boxes feature three knockouts for mini trunking and three for conduit providing various entry points.

Shrouded entry boxes

1 gang box with integral MMT2 adapter

code	depth	pack
MSSB15WH	32mm	20

Square corners
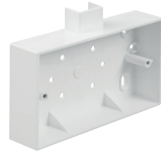
2 gang box with integral MMT2 adapter

code	depth	pack
MSSB16WH	32mm	20

Square corners

Circular box with integral MMT2 adapter

code	depth	pack
MCMR20WH	24mm	5

Cover plates

1 gang – flat

code	depth	pack
MSCP2WH	2mm	20

Size: 86 x 86mm O/A
Not available in black

2 gang – flat

code	depth	pack
MSCP3WH	2mm	10

Size: 86 x 146mm O/A
Not available in black

Moulded enclosures

Moulded enclosure unit (Adaptable box)

code	external size	pack
MTAB75AWH	81 x 81 x 67mm	10
MTAB100AWH	106 x 106 x 67mm	10
MTAB150BWH	155 x 155 x 92mm	4

Also available in black

Product information
- Degree of protection IP66.
- Raised pads in base of box to allow accessory mounting nuts to be recessed.
- Silicon rubber lid seal supplied as standard.
- Brass inserts M3.5 with stainless countersunk fixing screws.
- Suitable for drilling or cutting.
- Raised flat lid for strength.

Earth rod box

Earth rod box

code	external size	pack
MECB75BK	81 x 81 x 67mm	10

Product information
- Protects connection to earth rod.
- Earth rod/cable entry ø7-10.5mm.

ACCESSORY BOXES, PLATES AND ENCLOSURES

FLUSH MOUNTED DRY LINING BOXES

Flush mounted boxes for use within stud walls for alleviating the necessity of using noggins. Boxes feature a wide securing flange around the outer rim.

Product information

- Wide securing flange to prevent box passing through cavity
- Swivelling snap out clamps will tightly grip a range of standard thickness building boards
- Earth terminal provision incorporated

Standard Colour
WH

WH: White

Snap out clamps with size identification by colour:

Wall thickness adjustment	Clamp colour
1 - 9mm	Grey
6 - 14mm	White
18 - 25mm	Green
9 - 26mm	Black

Wide securing flanges
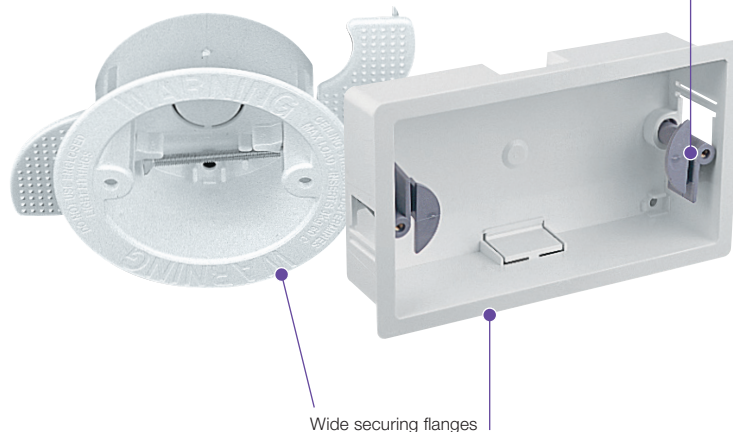
Standard

1 gang
34mm internal depth

code	adjustment	pack
MDLB1WH	6-14mm	20
MDLB7WH	18-25mm	20

2 gang
34mm internal depth

code	adjustment	pack
MDLB2WH	6-14mm	10
MDLB8WH	18-25mm	10

Dual gang
34mm internal depth

code	adjustment	pack
MDLB22WH	6-14mm	5

Double back entry - loop in
34mm internal depth (white clamps)

code	fix. centre	pack
MDCRB2WH	50.8/60.3mm	10

Ø cut out = 70mm
For board thickness from 9-32mm measured from the face of the board.

Shallow

1 gang
25mm internal depth

code	adjustment	pack
MDLB13WH	1-9mm	10

2 gang
25mm internal depth

code	adjustment	pack
MDLB14WH	1-9mm	10

Deep

1 gang
46mm internal depth

code	adjustment	pack
MDLB29WH	9-26mm	10

2 gang
46mm internal depth

code	adjustment	pack
MDLB30WH	9-26mm	5

Accessories

Brass earthing terminal

code	Rating	pack
MET1	15 Amp	100

ACCESSORY BOXES, PLATES AND SPACERS

A range of white and coloured accessory boxes for installation into our trunking systems.

Product information

- Accept standard UK accessories
- Standard screw fixing centres
- Adjustable depth
- Coloured options in blue RAL5002 and charcoal RAL7021
- Accessory boxes manufactured with antimicrobial properties for use with Sterling Curve Bio (ESSB1BIOWH and ESSB2BIOWH).

Approved Document M of the UK Building Regulations for Visual Impairment requires that face plates differ in colour from their background. Coloured accessory boxes provide a different colour frame to contrast against standard white accessories.

Fixed or adjustable depths

Coloured frame for compliance with Part M

Option of boxes with antimicrobial properties

ACCESSORY BOXES, PLATES AND ENCLOSURES
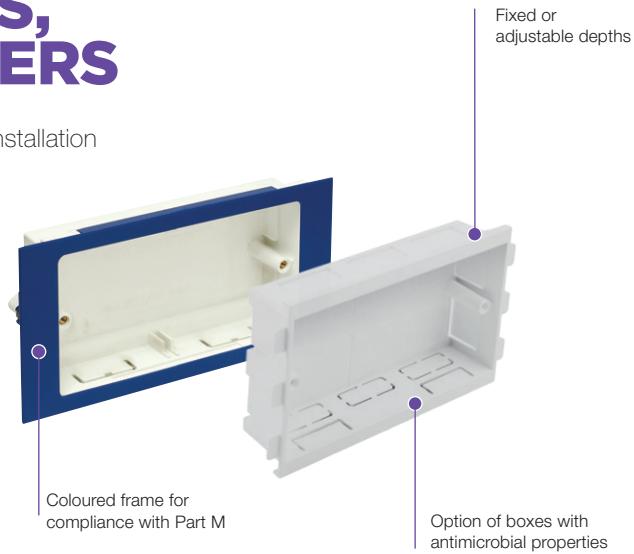
Boxes for UK accessories

*RCD/MCB Housing

code	pack
EAHCA1MWH	1

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

1 gang accessory box (30mm deep)

code	colour	pack
ESSB1WH	white	20
ESSB1BIOWH	white bio	20
ESSB1CH	charcoal	20
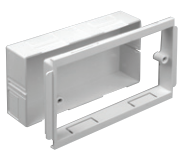
2 gang accessory box (30mm deep)

code	colour	pack
ESSB2WH	white	10
ESSB2BIOWH	white bio	10
ESSB2CH	charcoal	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

Accessory box spacer

code	size	colour	pack
ES1WH	14mm	white	4

For use between accessory boxes

1 gang accessory plate

code	pack
ESSP1WH	2

2 gang accessory plate

code	pack
ESSP2WH	2

DDA / Part M boxes and spacers

1 gang accessory box (30mm deep)

code	colour	pack
ESPM1BU	blue	1
ESPM1CH	charcoal	1

2 gang accessory box (30mm deep)

code	colour	pack
ESPM2BU	blue	1
ESPM2CH	charcoal	1

Retrofit accessory box spacer

code	description	pack
ES3BU	blue	4
ES3CH	charcoal	4

Accessory box spacer (14mm)

code	description	pack
ES1CH	charcoal	4

For use between accessory boxes

Please note, these boxes are not suitable for use with Odyssey trunking.

Boxes for Odyssey trunking are shown with the range on page 27.

ACCESSORY BOXES, PLATES AND ENCLOSURES

INTERNATIONAL ACCESSORY PLATES

A range of and mounting plates
that accept international standard accessories

Product information

- MTOP10 and 20 and ETOP10, 20 and 30 plates accept Legrand's 45mm range of outlets

Standard Colour
WH
WH: White

ETOP faceplates can be inserted directly into trunking base profiles without the need for an accessory box

Plates for International accessories

1 gang 45mm accessory plate

code	aperture	pack
ETOP10WH	45 x 45mm	20

2 gang 45mm accessory plate

code	aperture	pack
ETOP20WH	90 x 45mm	15

3 gang 45mm accessory plate

code	aperture	pack
ETOP30WH	135 x 45mm	10

1 gang surface mount outlet plate

code	aperture	pack
MTOP10WH	45 x 45mm	30

2 gang surface mount outlet plate

code	aperture	pack
MTOP20WH	90 x 45mm	20

MTOP faceplates
1 gang plates require ESSB1 boxes.
2 gang plates require ESSB2 boxes.

CONDUIT AND CHANNEL SYSTEMS

Round and oval PVC-U conduit
channel and fittings.

REASSURINGLY
RECYCLED

Marshall
Tufflex

CONDUIT AND CHANNEL

Conduit and channel made from super high impact self-extinguishing PVC-U.

Light and heavy gauge options

Product information

Conduit

- Light and heavy gauge options
- Meet requirements for BS 4607, BS EN 61386-1: 2008+A1:2019, BS EN 61386-21:2021+A11:2021 and BS EN 61386-25:2011 where applicable
- Fire clips and straps to support cables and prevent premature collapse in the event of a fire.

Boxes

- Provision for MET1 brass earth terminal
- All boxes have threaded brass inserts
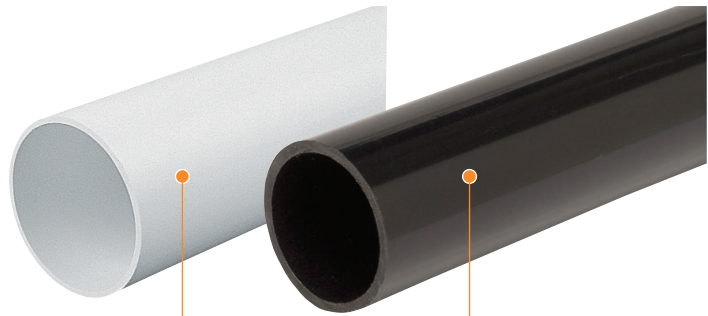
REASSURINGLY RECYCLED — OUR WHITE CONDUIT LENGTHS ARE MANUFACTURED USING 100% RECYCLED MATERIAL.

Standard Colours	
WH	BK
WH: White BK: Black	

Colour code suffix: to indicate the finish you require, add the required colour code to the end of the product code.

CONDUIT AND CHANNEL SYSTEMS

Conduit and channel

Light gauge

code	O.D	pack
CR2WH	20mm	30 x 3m
CR3WH	25mm	30 x 3m
CR4WH	32mm	10 x 3m

Heavy gauge

code	O.D	pack
CR6WH	20mm	30 x 3m
CR7WH	25mm	30 x 3m
CR8WH	32mm	10 x 3m

Oval conduit (white only)

code	dimensions	pack
ECO16WH	13 x 8mm	50 x 3m
ECO17WH	16 x 10mm	50 x 3m
ECO18WH	23 x 11mm	50 x 3m
ECO19WH	29 x 11mm	20 x 3m
ECO20WH	32 x 11mm	20 x 3m
ECO24WH	24.5 x 16.5mm	50 x 3m

Channel (white only)

code	dimensions	pack
ECC21WH	12 x 8mm	50 x 2m
ECC22WH	25 x 8mm	50 x 2m
ECC23WH	38 x 9mm	50 x 2m

Conduit fittings

Expansion couplers

code	size	pack
MEC2WH	20mm	25
MEC3WH	25mm	10

Should be fitted over a clear gap between two round rigid conduits

Straight couplers

code	size	pack
MC2WH	20mm	100
MC3WH	25mm	50
MC4WH	32mm	25

Reducers

code	size	pack
MR2WH	25 x 20mm	50

Don't forget, Firefly clips to comply with the current edition of BS 7671 Wiring Regulations - see page 55

Inspection elbows

code	size	pack
MIE2WH	20mm	20

For 25mm size use Inspection Bend

Inspection bends

code	size	pack
MIB2WH	20mm	20
MIB3WH	25mm	20

Inspection tees

code	size	pack
MIT2WH	20mm	20
MIT3WH	25mm	20

Plain bends

code	size	pack
MNB2WH	20mm	25
MNB3WH	25mm	10
MNB4WH	32mm	20

Conduit fittings

Adaptors (Female thread)

code	size	pack
MAB2WH	20mm	100
MAB3WH	25mm	50
MAB4WH	32mm	25

Adaptors (Male thread)

code	size	pack
MA7WH	20mm	100
MA8WH	25mm	50

Adaptors (Clip-in spout)

code	size	pack
MCA2WH	20mm	100

Not available in black

Male bushes

code	size	pack
MMB2WH	20mm	100
MMB3WH	25mm	100
MMB4WH	32mm	25

Threaded lockrings

code	size	pack
MLR2WH	20mm	100
MLR3WH	25mm	50

Round 'U' clips

code	size	pack
MMC2WH	20mm	100
MMC3WH	25mm	50
MMC4WH	32mm	25

Oval clips

code	size	pack
MOC1WH	13mm	100
MOC2WH	16mm	100
MOC3WH	23mm	100
MOC4WH	29mm	100
MOC5WH	32mm	100

Strap saddles

code	size	pack
MSS2WH	20mm	100
MSS3WH	25mm	100

Not available in black

Spacer bar saddles

code	size	pack
MSB2WH	20mm	100
MSB3WH	25mm	100
MSB4WH	32mm	50

Spacer bar snap saddle

code	size	pack
MSBS2WH	20mm	100

Threaded cable gland

code	size	cable size	pack
MCG2WH	20mm	ø7-10.5	100
MCG3WH	25mm	ø8-13	25

Not available in black

Plain body cable gland

code	size	cable size	pack
MCGP2WH	20mm	ø7-10.5	25

Not available in black

Locknuts (for use with cable glands)

code	size	pack
MLN2WH	20mm	100

Conduit to mini adaptor

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

Metal conduit fittings

NEW

Metal spacer bar saddle

code	conduit	pack
SB20MWH	20mm	100
SB25MWH	25mm	100
SB32MWH	32mm	50

To support cables and prevent premature collapse in the event of a fire.

CONDUIT AND CHANNEL SYSTEMS

Circular boxes *(side tab)*

CONDUIT AND CHANNEL SYSTEMS *(side tab)*

Loop-in boxes

code	size	pack
2MRB12WH	4 x ø20mm KO	20
3MRB12WH*	2 x ø25mm KO	20

*Not available in black

Terminal

code	size	pack
2MRB2WH	20mm	20
3MRB2WH	25mm	20

Through

code	size	pack
2MRB3WH	20mm	20
3MRB3WH	25mm	20

Circular boxes

PVC-U plain bored circular boxes are suitable for suspending loads of up to 3kg centrally at 60ºC maximum.
Fixing centres are at 50.8mm and fitted with M4 brass inserts.

Angle

code	size	pack
2MRB4WH	20mm	20
3MRB4WH	25mm	20

Tee

code	size	pack
2MRB5WH	20mm	20
3MRB5WH	25mm	20

4-way

code	size	pack
2MRB6WH	20mm	20
3MRB6WH*	25mm	10

*Not available in black

Branch 2-way or U

code	size	pack
2MRB13WH*	20mm	20
3MRB13WH	25mm	20

*Not available in black

Branch 3-way or Y

code	size	pack
2MRB14WH	20mm	20
3MRB14WH	25mm	20

Not available in black

Twin through way or H

code	size	pack
2MRB15WH	20mm	20
3MRB15WH	25mm	10

Not available in black

Back outlet

code	size	pack
2MRB1WH	20mm	20

Not available in black

Circular box fittings *(side tab)*

Circular rubber gasket

code	size	pack
MRG1	66mm diam	100

Black only

Circular lids

code	size	pack
MCL1WH	flush fitting (65mm diam)	100
MCL2WH	overlapping (85mm diam)	100

Circular extension rings

code	size	pack
MER2WH	20mm	20
MER3WH	25mm	20
MER4WH	32mm	20

Circular extension rings have two lugs fitted with M4 brass inserts and two plain bored lugs

Not available in black

Flush mounted boxes *(side tab)*

1 gang – adjustable lug

code	depth	pack
MSSB1WH	35mm	12
MSSB47WH	47mm	10

Entries: 2 x ø20mm on each of 4 sides (MSSB1 and MSSB47)
Not available in black

2 gang – adjustable lug

code	depth	pack
MSSB3WH	35mm	6

Entries: 4 x ø20mm on horizontal sides, 2 x ø20mm on vertical sides
Not available in black

Flush mounted boxes

Flush mounted boxes can be used with conduit in plasterboard or solid walls. The flanged lip aids a secure fit between the back box and switchgear reducing the chances of contact with live parts.

1 gang = 74 x 74mm with 60.3 fixing centres
2 gang = 134 x 74mm with 120.6 fixing centres

Accessories

**Bending spring
heavy gauge (green end)**

code	conduit size	pack
MBSH2	20mm	1
MBSH3	25mm	1
MBSH4	32mm	1

**Bending spring
light gauge (white end)**

code	conduit size	pack
MBSL2	20mm	1
MBSL3	25mm	1
MBSL4	32mm	1

Nylon draw tape

code	pack
MDT10	1 x 10m

PVC pipe cutter

code	pack
MTPC42	1

Brass earthing terminal

code	rating	pack
MET1	15Amp	100

Conduit solvent cement

code	pack
MSC	1x250ml

Child resistant lid

Conduit fire clips

**Fire clip 20mm
round conduit**

code	pack
FCCR20	100

**Fire clip 25mm
round conduit**

code	pack
FCCR25	100

Regulations

Regulations state that Wiring Systems shall be supported such that they will not be liable to premature collapse in the event of fire. This applies to all access or egress routes not just escape routes. Firefly clips meet the requirements of BS 7671:2018 section 521.10.202 Wiring Regulations to secure all surface cables and to avoid the risk of entanglement in the event of a fire.

Conduit fire straps

**Fire clip 20mm
conduit strap**

code	colour	pack
FCCRC20WH	white	50
FCCRC20BK	black	50

**Fire clip 25mm
conduit strap**

code	colour	pack
FCCRC25WH	white	50
FCCRC25BK	black	50

**Fire clip 32mm
conduit strap**

code	colour	pack
FCCRC32WH	white	50
FCCRC32BK	black	50

Fire clip fixings

**Masonry screws &
washers**

code	pack
FCMS	100

Cavity fixings & screws

code	pack
FCCS	50

We recommend using the masonry or cavity screws and washers for all installations

REASSURINGLY RECYCLED

WE USE RECYCLED WINDOWS TO CREATE CABLE MANAGEMENT PRODUCTS.

BENDEX

An economical range of cable management solutions including PVC-U trunking, conduit, cable protection guard, channelling and accessory boxes.

Bendex
Essential cable management affordably priced

REASSURINGLY RECYCLED

Marshall Tufflex

BENDEX CABLE MANAGEMENT

Bendex is a range of affordably priced essential cable management solutions, manufactured in the UK by Marshall-Tufflex. The range includes PVC-U trunking, conduit, cable protection guard, channelling, surface boxes and IP rated sockets.

As with the Marshall-Tufflex range, Bendex products are manufactured using a high percentage of recycled PVC-U which varies across the range depending on the type of product.

Environmental & sustainability

• We use recycled PVC-U in our manufacturing process, reducing carbon emissions in doing so.

• Research has shown that the use of recycled PVC offers a 20-fold reduction in greenhouse gas (GHG) emissions compared to virgin product. 100% recyclable material and has a long life cycle. We encourage our products to be recycled at the end of their useful life.

• PVC-U is a cost-effective, sustainable choice and comparable with other materials such as steel, aluminium, copper and wood.

• Virgin grade PVC-U has the lowest oil content of a commodity plastic.

• 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.

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.

• Chars and is self-extinguishing.

• 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.

• Does not produce flaming droplets or burning debris.

*see the independent report at www.beama.org.uk

Challenger Three Compartment Trunking System

167 x 50mm

Three compartment trunking system that can be fitted at dado or skirting level.

Page 60

Conduit & Channel

20, 25 and 32mm round conduit
13 to 32mm width oval conduit
13 to 38mm channel

Round or oval conduit, channel and fittings for a variety of general wiring requirements.

Page 66

Maxi Trunking & Accessories

28 x 28mm to 150 x 150mm

Mid-size distribution trunking that can be sub-divided to carry power and data.

Page 64

Cable Protection Guard

19mm x 19mm to 80mm x 80mm

To protect cables from impact and damage on telegraph poles and exposed brickwork

Page 68

Mini Trunking & Accessories

18 x 9mm to 38 x 38mm

Small containment systems for general wiring requirements. Standard and self fix options.

Page 62

Loblite IP Rated Sockets

Single gang

IP rated weatherproof sockets for use in demanding environments

Page 69

Standard colour

Bendex Mini and Maxi trunking systems are available in solid white RAL 9003.

Bendex conduit and channel systems are available in solid white RAL 9003 & black RAL 9005.

Bendex trunking systems are available in solid white RAL 9003.

BENDEX

CHALLENGER TRUNKING SYSTEM

Challenger is a three compartment trunking system compliant up to Cat 7a, suitable for office school or college environments. This easy to install system, can be fitted at dado or skirting level and includes a pre-drilled base to speed up installation.

- 167 x 50mm
- 3 segregated compartments
- Suitable for dado and skirting application
- Single piece moulded fittings
- Flat tees and flat angles with integral bend radius control
- Self-extinguishing and non-flame propagating PVC-U
- Recycled PVC-U is utilised in the manufacturing process

Data Information

- Compliant up to Cat 7a
- Standard bend radius 25mm

COMPLIANT UP TO **CAT 7A**

Standard finish
WH
WH: WHITE

62% Challenger System 1 trunking assembly is manufactured using 62% recycled material

57% Challenger System 2 trunking assembly is manufactured using 57% recycled material

Trunking profiles

Challenger System 1 trunking assembly

code	width x height	pack
XT1CWH	167 x 50mm	1 x 3m

Challenger System 2 trunking assembly

code	width x height	pack
XT2CWH	167 x 50mm	1 x 3m

Basic components

Base unit

code	pack
XT1BWH	4 x 3m

Main compartment cover

code	pack
XT1CLWH	8 x 3m

Angled cover

code	pack
XT1TBWH	8 x 3m

Square cover

code	pack
XT2TBWH	8 x 3m

System 1 fittings

Coupler

code	pack
XT1COWH	2

End cap

code	pack
XT1ECWH	2

Internal bend

code	pack
XT1IBWH	2

External bend

code	pack
XT1EBWH	2

Flat angle

code	pack
XT1FAWH (Moulded)	1

Flat tee

code	pack
XT1FTWH (Moulded)	1

Fire clips

Fire clip Challenger centre compartment

code	pack
FCSPC	50

Fire clip Challenger compartment

code	comp	pack
FCSPAC	angle	100
FCSPS	square	100

For fire clip fixings, please see page 65

System 2 fittings

Coupler

code	pack
XT2COWH	2

End cap

code	description	pack
XT2ECLWH	left	2
XT2ECRWH	right	2

Internal bend

code	pack
XT2IBWH	2

External bend

code	pack
XT2EBWH	2

Flat angle - upward

code	description	pack
XT2FAUWH	moulded	1
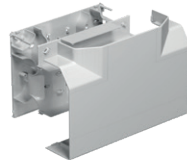
Flat tee - upward

code	description	pack
XT2FTUWH	moulded	1

System 2 - horizontal.
System 1 - vertical.

Accessory boxes

1 gang outlet box

code	depth	pack
XTBB1WH	30mm	20

2 gang outlet box

code	depth	pack
XTBB2WH	30mm	10

MINI TRUNKING

Bendex mini trunking is manufactured from white PVC-U and is designed with speed of installation in mind. Available with a self-adhesive backing and a full range of accessories.

Product information

- A variety of sizes from 18 x 9mm to 38 x 38mm
- Self-adhesive version available
- Self-extinguishing and non-flame propagating PVC-U
- Manufactured using recycled PVC-U
- Universal boxes for use with both Mini trunking and Conduit

Standard finish
WH
WH: WHITE

100% Bendex mini trunking lengths are manufactured using 100% recycled material

Standard and self-fixing profiles
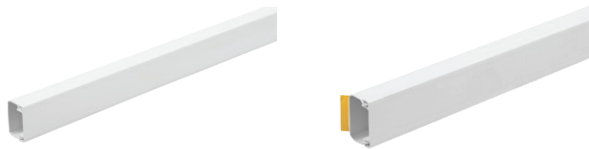
Standard profile

code	size	pack
AT18WH*	18 x 9mm	20 x 3m
MT16WH	16 x 16mm	20 x 3m
MT25WH	25 x 16mm	20 x 3m
MT38WH	38 x 16mm	20 x 3m
MT40WH	38 x 25mm	10 x 3m
MT40SWH*	38 x 38mm	10 x 3m

* No accessories available

Self-fixing profile

code	size	pack
SFAT18WH*	18 x 9mm	20 x 3m
SFMT16WH	16 x 16mm	20 x 3m
SFMT25WH	25 x 16mm	20 x 3m
SFMT38WH	38 x 16mm	20 x 3m
SFMT40WH	38 x 25mm	10 x 3m
SFMT40SWH*	38 x 38mm	10 x 3m

* No accessories available

Fittings

External coupler

code	size	pack
MT16CWH	16 x 16mm	10
MT25CWH	25 x 16mm	10
MT38CWH	38 x 16mm	10
MT40CWH	38 x 25mm	10

End cap

code	size	pack
MT16ECWH	16 x 16mm	10
MT25ECWH	25 x 16mm	10
MT38ECWH	38 x 16mm	10
MT40ECWH	38 x 25mm	10

Internal angle

code	size	pack
MT16IAWH	16 x 16mm	10
MT25IAWH	25 x 16mm	10
MT38IAWH	38 x 16mm	10
MT40IAWH	38 x 25mm	10

External angle

code	size	pack
MT16EAWH	16 x 16mm	10
MT25EAWH	25 x 16mm	10
MT38EAWH	38 x 16mm	10
MT40EAWH	38 x 25mm	10

Fittings

Surface boxes

BENDEX

Flat angle

code	size	pack
MT16FAWH	16 x 16mm	10
MT25FAWH	25 x 16mm	10
MT38FAWH	38 x 16mm	10
MT40FAWH	38 x 25mm	10

Flat tee

code	size	pack
MT16TWH	16 x 16mm	10
MT25TWH	25 x 16mm	10
MT38TWH	38 x 16mm	10
MT40TWH	38 x 25mm	10

1 Gang Universal Box

code	description	pack
SB1RCWH	Round corners 32mm deep	20
SB1SCWH	Square corners 32mm deep	20

2 Gang Universal Box

code	description	pack
SB2RCWH	Round corners 32mm deep	10
SB2SCWH	Square corners 32mm deep	10

Surface box adaptor

code	description	pack
MTA25WH	25mm Adaptor	10

Ceiling rose adaptor

code	description	pack
MTCRBWH	2 K.O. for MT16/MT25	10

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

Manufactured in white PVC-U and available with both round and square corners, Bendex universal boxes incorporate both conduit and mini trunking knockouts

MAXI TRUNKING

Bendex maxi trunking is a mid-size distribution trunking that can be sub-divided to carry power and data. Manufactured from white PVC-U.

Product information

- A variety of sizes from 28 x 28mm to 150 x 150mm
- Single or divided compartment options
- Self-extinguishing and non-flame propagating PVC-U
- Manufactured using recycled PVC-U

Standard finish
WH
WH: WHITE

100% Bendex maxi trunking lengths are manufactured using 100% recycled material

Maxi trunking profiles

Maxi trunking profile

code	size	pack
CT10WH	28 x 28mm	10 x 3m
CT30WH	50 x 50mm	6 x 3m
CT40WH	75 x 50mm	6 x 3m
CT50WH	75 x 75mm	6 x 3m
CT60WH	100 x 100mm	2 x 3m
CT70WH	100 x 50mm	4 x 3m
CT80WH	150 x 150mm	2 x 3m

Self-fixing dividing fillet

code	size	pack
SFDF50WH	50mm	10 x 3m

Fittings

Coupler

code	size	pack
CT10CWH*	28 x 28mm	10
CT30CWH	50 x 50mm	10
CT40CWH	75 x 50mm	10
CT50CWH	75 x 75mm	5
CT60CWH	100 x 100mm	5
CT70CWH	100 x 50mm	10
CT80CWH	150 x 150mm	5

* External coupler. All other couplers are internal

Joint cover

code	size	pack
CT30JCWH	50 x 50mm	1
CT70JCWH	100 x 50mm	1

End cap

code	size	pack
CT10ECWH	28 x 28mm	10
CT30ECWH	50 x 50mm	10
CT40ECWH	75 x 50mm	10
CT50ECWH	75 x 75mm	10
CT60ECWH	100 x 100mm	1
CT70ECWH	100 x 50mm	1
CT80ECWH	150 x 150mm	1

Internal angle

code	size	pack
CT10IAWH	28 x 28mm	10
CT30IAWH	50 x 50mm	1
CT40IAWH*	75 x 50mm	1
CT50IAWH*	75 x 75mm	1
CT60IAWH*	100 x 100mm	1
CT70IAWH	100 x 50mm	1
CT80IAWH*	150 x 150mm	1

* Fabricated

Fittings

External angle

code	size	pack
CT10EAWH	28 x 28mm	10
CT30EAWH	50 x 50mm	1
CT40EAWH*	75 x 50mm	1
CT50EAWH*	75 x 75mm	1
CT60EAWH*	100 x 100mm	1
CT70EAWH	100 x 50mm	1
CT80EAWH*	150 x 150mm	1

* Fabricated

Flat angle

code	size	pack
CT10FAWH	28 x 28mm	10
CT30FAWH	50 x 50mm	1
CT40FAWH*	75 x 50mm	1
CT50FAWH*	75 x 75mm	1
CT60FAWH*	100 x 100mm	1
CT70FAWH	100 x 50mm	1
CT80AWH*	150 x 150mm	1

* Fabricated

Flat tee

code	size	pack
CT10TWH	28 x 28mm	10
CT30TWH	50 x 50mm	1
CT40TWH*	75 x 50mm	1
CT50TWH*	75 x 75mm	1
CT60TWH*	100 x 100mm	1
CT70TWH	100 x 50mm	1
CT80TWH*	150 x 150mm	1

* Fabricated

Accessory boxes

Back box assembly (back box & socket plate)

code	description	pack
CT70BB1WH	1 gang back box Assembly	20
CT70BB2WH	2 gang back box Assembly	10

Socket plate only

code	description	pack
SP1WH	1 gang socket plate	20
SP2WH	2 gang socket plate	10

Maxi trunking fire clips

Fire clip internal for CT40WH

code	trunking size	pack
FCMTRS75/50	75 x 50mm	50

Fire clip internal for CT50WH

code	trunking size	pack
FCMTRS75	75 x 75mm	50

Fire clip internal for CT60WH

code	trunking size	pack
FCMTRS100	100 x 100mm	50

Fire clip internal for CT70WH

code	trunking size	pack
FCMTRS100/50	100 x 50mm	50

Fire clip fixings

Masonry screws & washers

code	pack
FCMS	100

Cavity fixings & screws

code	pack
FCCS	50

We recommend using self tapping masonry or cavity screws and washers for all Fire clip installations in order to assist with meeting BS 7671 Wiring Regulations.

BENDEX

Bendex

CONDUIT & CHANNEL SYSTEMS

Bendex round or oval conduit, channel and fittings. Manufactured from high impact, self extinguishing PVC-U.

Product information

- Light and heavy gauge options
- 20, 25 and 32mm round conduit in black or white
- A variety of white oval conduit from 13 to 32mm width
- Robust white PVC-U channel to protect electrical wiring routes

Colour code suffix: to indicate the finish you require, add the required colour code to the end of the product code.

Standard finish

WH	BK
WH: WHITE	BK: BLACK

98% Bendex white conduit lengths are manufactured using 98% recycled material

Conduit and channel

Light gauge

code	O.D	pack
LG20WH	20mm	30 x 3m
LG25WH	25mm	30 x 3m

Heavy gauge

code	O.D	pack
HG20WH	20mm	30 x 3m
HG25WH	25mm	30 x 3m
HG32WH*	32mm	10 x 3m

* Available in white only

Oval conduit (white only)

code	O.D	pack
OC13WH	13 x 8.6mm	50 x 3m
OC16WH	16 x 10mm	50 x 3m
OC20WH	20 x 11mm	50 x 3m
OC25WH	25 x 11mm	50 x 3m
OC32WH	32 x 12mm	25 x 3m

Channel (white only)

code	O.D	pack
CH13WH	13 x 8mm	50 x 2m
CH25WH	25 x 8mm	50 x 2m
CH38WH	38 x 9mm	50 x 2m

Conduit fittings

Expansion coupler

code	size	pack
EX20WH	20mm	20

Straight coupler

code	size	pack
SC20WH	20mm	100
SC25WH	25mm	50
SC32WH*	32mm	25

* Available in white only
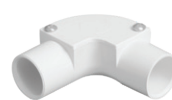
Elbow bend

code	size	pack
IE20WH	20mm	20

Inspection bend

code	size	pack
IB20WH	20mm	20
IB25WH	25mm	20

Inspection tee

code	size	pack
IT20WH	20mm	20
IT25WH	25mm	20

Normal bend

code	size	pack
NB20WH	20mm	25
NB25WH	25mm	10

Female adapter

code	size	pack
A20MBWH	20mm	100
A25MBWH	25mm	50
A32MBWH *	32mm	25

* Available in white only

Male adapter

code	size	pack
A20LRWH	20mm	100
A25LRWH	25mm	50

Male bush threaded

code	size	pack
MB20WH	20mm	100
MB25WH	25mm	100

Lock ring

code	size	pack
LR20WH	20mm	100
LR25WH	25mm	100

Spring clip saddle

code	size	pack
SCS20WH	20mm	100
SCS25WH	25mm	50

Oval spring clip

code	size	pack
OSC20WH	20mm	100
OSC25WH	25mm	100

Bendex

Conduit and channel systems | 67

Conduit fittings

Spacer bar saddle

code	size	pack
SBS20WH	20mm	100
SBS25WH	25mm	50
SBS32WH*	32mm	50

* Available in white only

Bending spring

code	size	pack
BS20L	20mm light	1
BS20H	20mm heavy	1
BS25L	25mm light	1
BS25H	25mm heavy	1

Marshall-Tufflex conduit fire clips can also be used with Bendex conduit. Please see page 55.

BENDEX

Circular boxes

Loop-in box (4 knockouts)

code	size	pack
LIB20K0WH	20mm	20

1 way terminal box

code	size	pack
CJB201WTWH	20mm	20
CJB251WTWH	25mm	20

2 way through box

code	size	pack
CJB202WTWH	20mm	20
CJB252WTWH	25mm	20

2 way angle box

code	size	pack
CJB202WAWH	20mm	20
CJB252WAWH	25mm	20

3 way angle box

code	size	pack
CJB203WTWH	20mm	20
CJB253WTWH	25mm	20

4 way intersection box

code	size	pack
CJB204WTWH	20mm	20
CJB254WTWH	25mm	20

Accessories

Extension ring

code	size	pack
ER20WH	20mm	20
ER25WH	25mm	20

* Available in white only

Circular lid

code	size	pack
LID1WH	65mm	100

Overlapping lid

code	size	pack
LID2WH	85mm	50

* Available in white only

Adhesive

code	size	pack
MSC	250ml	1

Dry lining boxes

1 gang box

code	depth	pack
BDL1WH	34mm	20

6-14mm adjustment

2 gang box

code	depth	pack
BDL2WH	34mm	10

6-14mm adjustment

Bendex

CABLE PROTECTION GUARD

Bendex cable protection guard is the perfect solution to protect cables from impact and damage on telegraph poles and exposed brickwork. Highly shock-resistant but light in weight, it is easy to transport and install thanks to pre-drilled screw holes.

Product information

- Supplied with pre-drilled screw holes for easy installation
- Lightweight and easily transported
- Shock resistant
- Manufactured in high quality black PVC-U for extra impact protection
- Bendex cable guard is BT specified

BENDEX

Cable protection guard
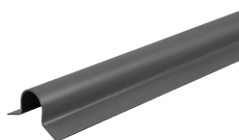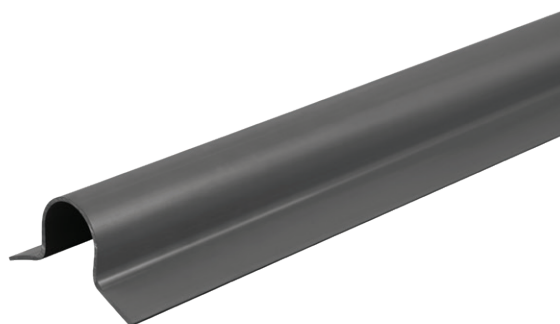
Cable protection guard

code	size	pack
CG19BK	19 x 19mm	10 x 3m
CG25BK	25 x 25mm	10 x 3m
CG40BK	40 x 40mm	10 x 3m
CG55BK	55 x 55mm	10 x 3m
CG80BK	80 x 80mm	5 x 3m

LOBLITE IP RATED SOCKETS

IP rated 13A-230V sockets that are weatherproof to IP66 when in use (fully closed). Engineered to perform in demanding environments, including industrial buildings, garages, farms, gardens, swimming pool areas, wherever exposure to dust or water may be encountered.

IP66 explained
First digit (6) = solid protection   Totally protected against dust
Second digit (6) = liquid protection   Protection against strong jets of water eg. on ship decks, limited ingress permitted

IP Socket

1 gang IP66 socket

code	colour	pack
LOBSGSKTWH	white	1
LOBSGSKTLG	light grey	1

WE USE RECYCLED WINDOWS TO CREATE BENDEX CABLE MANAGEMENT PRODUCTS.

REASSURINGLY RECYCLED

REASSURINGLY RECYCLED

ALL OF OUR PVC-U PRODUCTS CAN BE RECYCLED...

Prevent PVC-U being placed into landfill by recycling our products at the end of their useful life.
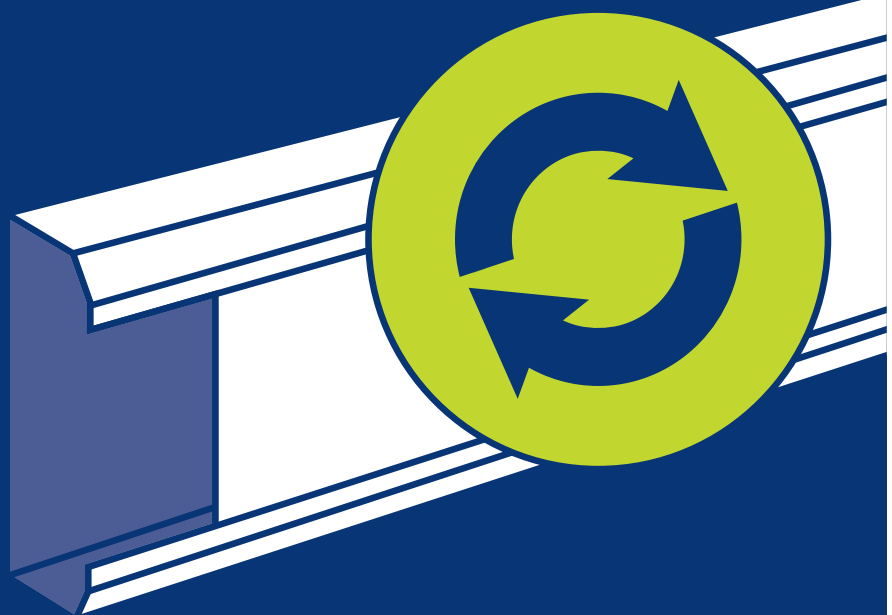
ALUMINIUM TRUNKING SYSTEMS

Aluminium cable containment is an excellent choice of material for office areas that need a stylish but mechanically robust trunking and for industrial, workshop and laboratory installation, particularly where a high quality of screening performance is required.

REASSURINGLY RECYCLED

Marshall Tufflex

ALUMINIUM TRUNKING SYSTEMS

The physical properties of aluminium are ideally suited for internal cable management distribution. Aluminium is light to handle with high mechanical strength and impact-resistance.
Extruded sections provide attractive profiles and products are finished with a high quality, powder-coat that provides a blemish-resistant surface.

Aluminium perimeter trunking systems provide elegant, stream-lined containment with the practical advantages of inherent LS0H (low smoke zero halogen). Aluminium is an excellent choice for office and educational areas requiring a stylish yet robust trunking system, particularly effective where a high quality of screening performance and security is required.

Marshall-Tufflex offer a wide range of multi-compartment aluminium trunking in different heights, designs, cable capacities and numbers of compartments.

Standard colour

Our aluminium trunking systems are all available in silver grey RAL 9006. Some systems are also available in white RAL 9016 as per the table below..

Colour	Colour code suffix	Bench trunking	Elegance 110	Sterling Curve profile 1	Sterling Curve profile 2	Twin Plus	XL301	XL302
Silver Grey (RAL 9006)	SG	✔	✔	✔	✔	✔	✔	✔
White (RAL 9016)	WH	✔		✔				

Environmental & sustainability

- Aluminium is naturally found combined in over 270 different minerals, the chief source of which is bauxite ore.
- Its light weight means less strain on supporting structures, easier handling and reduced transport costs.
- 100% recyclable material and can be recycled many times without loss of quality.
- Recycling facilities are well established.

EMI protection

- First class EMI screening performance especially at higher frequencies.

Fire performance

- Aluminium systems specified with polycarbonate fittings meet accepted requirements for LS0H.
- Withstands high temperatures with a melting point of 655°C (1211°F).
- Polycarbonate fittings are fire rated to UL94 V0.

ALUMINIUM TRUNKING SYSTEMS

Bench trunking
105 x 105mm

Desk and laboratory trunking.

*Available in silver-grey RAL 9006 and white RAL 9016.

Page 74

Elegance 110
110 x 55mm

Dado and skirting trunking with a single cover.

*Only available in silver-grey RAL 9006.

Page 75

Sterling Curve Profile 1
167 x 50mm

A stylish curved three compartment dado trunking system designed to stop clutter, avoid dust traps and to make cleaning easy.

*Available in silver-grey RAL 9006 and white RAL 9016

Page 76

Sterling Curve Profile 2
167 x 50mm

A stylish curved three compartment skirting trunking system designed to stop clutter, avoid dust traps and to make cleaning easy.

*Only available in silver-grey RAL 9006.

Page 76

Twin Plus
210 x 57mm

Large capacity dado and skirting trunking with two deep compartments with in-built segregation of power and data.

*Only available in silver-grey RAL 9006.

Page 78

XL301
220 x 65mm

Dado trunking with three deep compartments.

*Only available in silver-grey RAL 9006.

Page 79

XL302
220 x 65mm

Skirting trunking with three deep compartments.
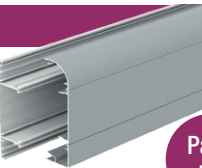
*Only available in silver-grey RAL 9006.

Page 79

Components, Boxes & Plates

Accessory boxes, plates and components suitable for use with our aluminium trunking systems.

Page 81

ALUMINIUM TRUNKING SYSTEMS
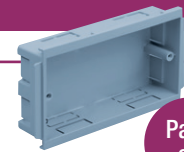
BENCH TRUNKING ALUMINIUM

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

COMPLIANT UP TO
CAT 7A

Product information
- 105 x 105mm
- Suitable for desk, bench or worktop applications
- Can be subdivided
- Aluminium systems specified with polycarbonate fittings meet accepted requirements for LS0H

Data information
- Compliant up to Cat 7a
- Adjustable data box 32-40mm

Note: Allowance must be made for earthing the trunking system to comply with the current version of the BS 7671 Wiring Regulations.

Choice of aluminium or PVC-U lid

Can be subdivided
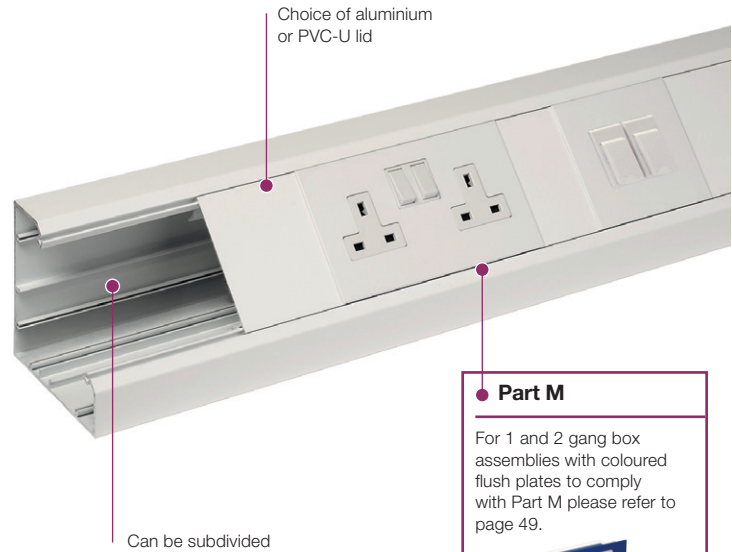
Part M

For 1 and 2 gang box assemblies with coloured flush plates to comply with Part M please refer to page 49.

These products are manufactured from PVC-U and are not LS0H

Standard Colours	
WH	SG
WH: White	SG: Silver Grey

Colour code suffix: to indicate the finish you require, add the required colour code to the end of the product code.

Basic components

Base unit
code	size	pack
MBTAB105SG	105 x 105mm	1 x 3m

Cover
code	material	pack
MBTAL105SG	aluminium	1 x 3m
ETL1WH	PVC-U	8 x 3m

Aluminium base and PVC-U cover

Our PVC-U cover is compatible with our aluminium base. Order ETL1WH PVC-U cover
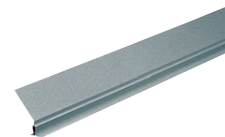
Dividing fillet (PVC-U)
code	pack
BDF105WH	4 x 3m

Fittings

End cap (steel)
code	pack
BECA105SG	1

Supplied with fixing screws
Recommended for use with LBS3 (see page 81)
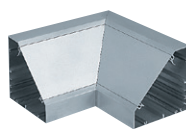
Internal angle (aluminium)
code	pack
BIAA105SG	1
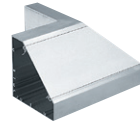
External angle (aluminium)
code	pack
BEAA105SG	1

ALUMINIUM TRUNKING SYSTEMS

ELEGANCE 110 ALUMINIUM

Elegance 110 aluminium is a small, rectangular, dado trunking system with a single cover. It is particularly useful for workshop or laboratory supply or in a commercial environment where extra mechanical strength is necessary.

COMPLIANT UP TO CAT 7A

Product information

- 110 x 55mm
- Compliant up to Cat 7a
- Can be subdivided into 2 compartments
- Suitable for dado and skirting applications
- Aluminium systems specified with polycarbonate fittings meet accepted requirements for LS0H

Note: Allowance must be made for earthing the trunking system to comply with the current version of the BS 7671 Wiring Regulations.

Cable tray or divider

One cover

Can be divided into 2 compartments
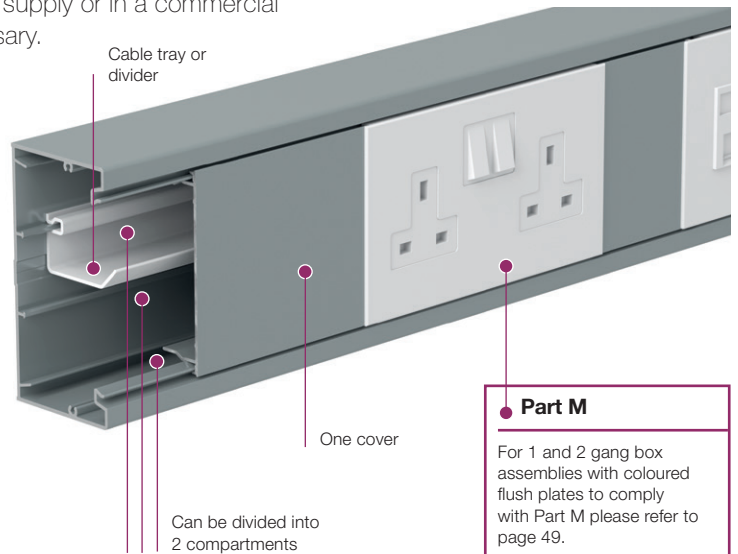
Standard Colour

SG

SG: Silver Grey

Part M

For 1 and 2 gang box assemblies with coloured flush plates to comply with Part M please refer to page 49.

These products are manufactured from PVC-U and are not LS0H

ALUMINIUM TRUNKING SYSTEMS

Basic components

Base unit

code	pack
LTB2SG	1 x 3m

Recommended to use with LBS3 (see page 81)
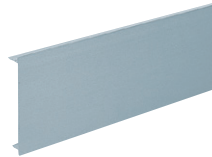
Main compartment cover

code	pack
LTL1SG	1 x 3m

Dividing tray (PVC-U)

code	pack
EDF2	8 x 3m

Fittings

End caps

code	pack
LECPSSG	1

Supplied with screws

End cap bonding strap

code	description	pack
LBS5	end cap to base	1

For use with Elegance end cap LECPSSG
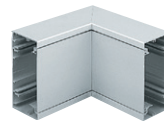
Internal bend

code	pack
LIBPSSG	1

External bend

code	pack
LXBPSSG	1

Flat angle

code	pack
LFASSG	1

Flat tee

code	pack
LFTSSG	1

For components and boxes see page 81

ALUMINIUM TRUNKING SYSTEMS

STERLING CURVE ALUMINIUM PROFILE 1 AND 2

Sterling Curve Aluminium is a robust and stylish Cat 7a compliant perimeter dado or skirting system that is easy and cost effective to use. The adaptable system has a curved outer top compartment to stop clutter and aid cleaning.

Product information
- 167 x 50mm
- 3 segregated compartments
- Suitable for dado and skirting application
- Boxes available to comply with Part M (DDA)
- Single piece moulded polycarbonate couplers, end caps, internal and external bends
- Choice of adjustable or fixed bends for Profile 1
- Fabricated aluminium flat tees and flat angles

Data information
- Compliant up to Cat 7a
- Standard bend radius 25mm
- Adjustable data box 32-40mm

COMPLIANT UP TO CAT 7A

Individual covers for each compartment

Standard Colours	
WH	SG
WH: White	SG: Silver Grey

This range is also available in white for Profile 1 only.

Colour code suffix: to indicate the finish you require, add the required colour code to the end of the product code.
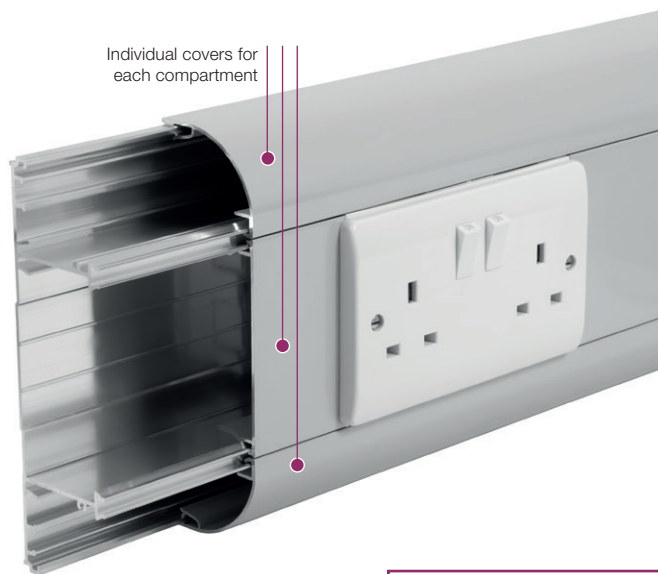
Part M

For box assemblies and spacers that meet the requirements of Part M (DDA) please refer to page 49.

These products are manufactured from PVC-U and are not LS0H

Trunking profiles
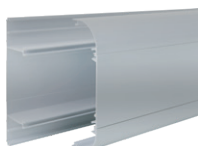
Curve Profile 1

size	167 x 50mm
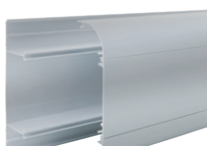
Curve Profile 2

size	167 x 50mm

For components and boxes see page 81

Basic components

Base unit

code	pack
ETB300MMF	1 x 3m
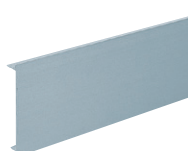
Main compartment cover

code	pack
LTL1SG	1 x 3m

Curve cover

code	pack
CETC300SG	1 x 3m

Square cover

code	pack
ETSC300SG	1 x 3m
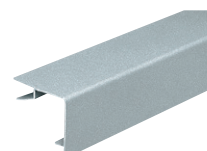
Curve Profile 1 fittings

Profile 1 Coupler

code	description	pack
CECP1MASG	polycarbonate	1

Profile 1 End cap

code	description	pack
CEECP1MASG	polycarbonate	1

Profile 1 Internal bend

code	description	pack
CEIBP1MASG	polycarbonate	1

NEW

Profile 1 Internal bend adjustable 85º-95º

code	description	pack
CEIBP1ABSG	polycarbonate	1

Profile 1 External bend

code	description	pack
CEXBP1ABSG	polycarbonate	1

NEW

Profile 1 External bend adjustable 85º-95º

code	description	pack
CEXBP1MASG	polycarbonate	1

Profile 1 Flat angle fabricated

code	pack
CEFA1ASG	1

Profile 1 Flat tee fabricated

code	pack
CEFT1ASG	1

Curve Profile 2 fittings

Profile 2 Coupler

code	description	pack
CECP2MASG	polycarbonate	1

Profile 2 End cap

code	description	pack
CEECP2MARHSG (right)	polycarbonate	1
CEECP2MALHSG (left)	polycarbonate	1

Profile 2 Internal bend

code	description	pack
CEIBP2MASG	polycarbonate	1

Profile 2 External bend

code	description	pack
CEXBP2MASG	polycarbonate	1

Profile 2 Flat angle up fabricated

code	pack
CEFA2ASG	1

Profile 2 Flat tee fabricated

code	pack
CEFT2ASG	1

Components

Main crossover bridge (PVC–U)

code	pack
EMCB1	5

ALUMINIUM TRUNKING SYSTEMS

TWIN PLUS ALUMINIUM

Twin Plus aluminium is an extra deep cable management solution incorporating two large segregated high capacity compartments. Twin Plus is specifically designed for carrying large quantities of Cat 7a data cabling.

COMPLIANT UP TO
CAT 7A

Product information

- 210 x 57mm
- 2 large permanent segregated compartments
- Suitable for dado and skirting applications
- Bends angles and tees with a large bend radius
- Includes a range of clip-on fittings with built-in overlaps
- All fittings are polycarbonate
- Aluminium systems specified with polycarbonate fittings meet accepted requirements for LS0H

Data information

- Compliant up to Cat 7a
- 50mm bend radius fittings
- Adjustable data box 32-47mm

Note: Allowance must be made for earthing the trunking system to comply with the current version of the BS 7671 Wiring Regulations.

Standard Colours
SG
SG: Silver Grey

Two large compartments with permanent segregation

Accessories can be fitted in either compartment

Compartment without accessories offers extra large data cable capacity

● Part M

For 1 and 2 gang box assemblies with coloured flush plates to comply with Part M please refer to page 49.

Basic components

Base unit

code	pack
EMTA60SG	1 x 3m
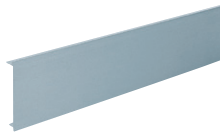
Main compartment cover (aluminium)

code	pack
LTL1SG	1 x 3m

Fittings (polycarbonate)

Coupler

code	pack
EC60SG	1

End cap

code	pack
EEC60SG	1

Internal bend assembly

code	pack
EIB60SG	1

External bend assembly - standard

code	pack
ESXB60SG	1

Capacity reduced by 50%

Flat angle assembly

code	pack
EFA60SG	1

Covers and cable inserts in Polycarbonate
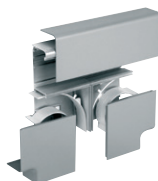
Flat tee assembly

code	pack
EFTA60SG	1

Flat tees include covers, cable inserts in Polycarbonate with base in aluminium

End cap retaining screws

When installing end caps, additional retention can be achieved by using end cap retaining screws G1310 (pack 40).

XL301 AND XL302 ALUMINIUM

XL aluminium trunking 301 and 302 are deep, 3-compartment systems that provide extra capacity and screening performance levels for data cabling.

COMPLIANT UP TO
CAT 7A

Individual covers for each compartment

Product information

- 220 x 65mm
- 3 deep segregated compartments
- Compartments can be subdivided
- Suitable for dado and skirting applications
  Includes a range of polycarbonate clip-on fittings with built-in overlaps
- Aluminium systems specified with polycarbonate fittings meet accepted requirements for LS0H

Data information

- Compliant up to Cat 7a
- External bends feature internal segregators
- Adjustable data box 32mm - 47mm
- Screened divider

Note: Allowance must be made for earthing the trunking system to comply with the current version of the BS 7671 Wiring Regulations.
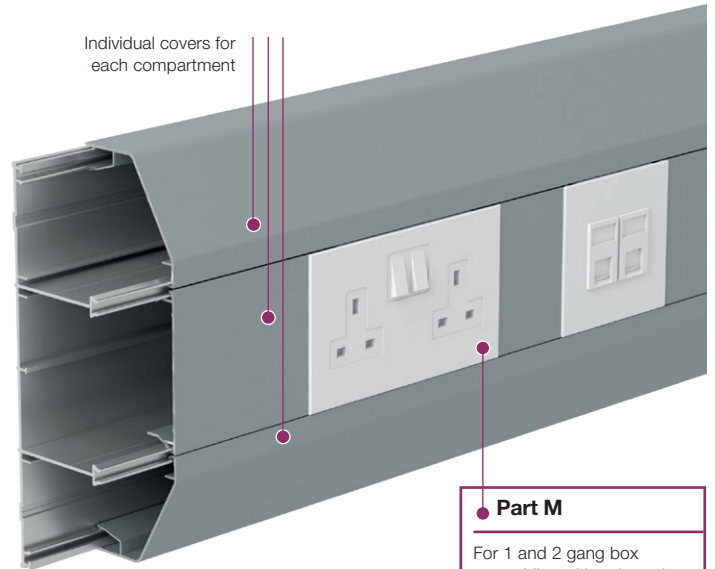
Part M

For 1 and 2 gang box assemblies with coloured flush plates to comply with Part M please refer to page 49.

Standard Colour
SG
SG: Silver Grey

Trunking profiles
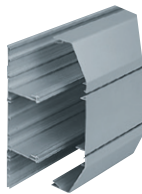
XL301

size	220 x 65mm
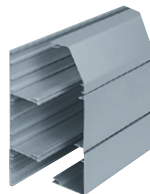
XL302

size	220 x 65mm

Dividing fillet (PVC-U)

code	pack
ELDF200	8 x 3m

For components and boxes see page 81

Basic components

Base unit

code	pack
ELTB300	2 x 3m

Main compartment cover

code	pack
LTL1SG	1 x 3m

Angled cover

code	pack
ELAC300SG	1 x 3m

Square cover

code	pack
ELSC300SG	1 x 3m

XL301 fittings

XL301
Coupler

code	description	pack
EC301SG	polycarbonate	1

XL301
End cap

code	description	pack
EEC301SG	polycarbonate	1

XL301
Internal bend

code	description	pack
EIB301SG	polycarbonate	1

XL301
External bend

code	description	pack
EXB301SG	polycarbonate	1

XL301
Flat angle – up/down

code	description	pack
EFA301SG	aluminium	1

XL301
Flat tee – up/down

code	description	pack
EFT301SG	aluminium	1

XL302 fittings

XL302
Coupler

code	description	pack
EC302SG	polycarbonate	1

XL302
End cap

code	description	pack
EEC302LHSG	polycarbonate	1
EEC302RHSG	polycarbonate	1

LH = Left hand RH = Right hand

XL302
Internal bend

code	description	pack
EIB302SG	polycarbonate	1

XL302
External bend

code	description	pack
EXB302SG	polycarbonate	1

XL302
Flat angle – upward

code	description	pack
EFA302USG	aluminium	1

XL302
Flat angle – downward

code	description	pack
EFA302DSG	aluminium	1

XL Trunking 302 flat tees

Where profiles have one angled cover and one square cover, as with XL302, it is possible to create a tee by changing the top or bottom cover so that covers match the profile of the trunking. For example:

• Upward tee – select XL301 tee remove the angled bottom cover and replace with square cover.

Components

Boxes and plates (polycarbonate)

ALUMINIUM TRUNKING SYSTEMS

Earth bonding kit

code	pack
LBT3	1

Coupler pin

code	description	pack
LDP1	ø2.0 x 20mm	10

To aid alignment of base profiles

Bonding strap

code	description	pack
LBS1	base to base 32 amp	5

Bonding strap

code	description	pack
LBS2	cover to base	5

Bonding strap

code	description	pack
LBS5	end cap to base	1

End cap bonding strap

code	pack
LBS3	1

RCD/MCB housing

code	description	pack
EAHCA1MWH	polycarbonate	1

Not available in silver grey.
*Up to 4 modules can be accommodated.
Note: RCDs and MCBs are not supplied by Marshall-Tufflex
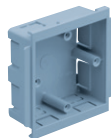
1 gang accessory box 30mm deep

code	pack
ESSB1SG	1
ESSBA1WH	1
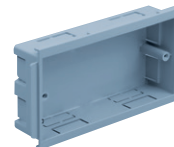
2 gang accessory box 30mm deep

code	pack
ESSB2SG	1
ESSBA2WH	1
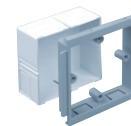
1 gang adjustable depth box

code	depth	pack
EAB1SG	32-47mm	1
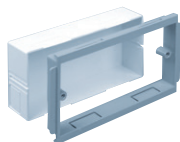
2 gang adjustable depth box

code	depth	pack
EAB2SG	32-47mm	1

1 gang accessory plate
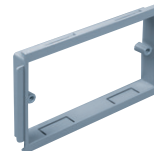
code	pack
ESSP1SG	2

2 gang accessory plate

code	pack
ESSP2SG	2

REASSURINGLY RECYCLED

OUR WHITE MINI TRUNKING LENGTHS ARE MANUFACTURED USING 100% RECYCLED MATERIAL.

100%

STEEL TRUNKING SYSTEMS

Steel trunking systems incorporate clean lines with a functionality that provides greater mechanical strength combined with first class fire performance and excellent screening capability.

REASSURINGLY RECYCLED

Marshall Tufflex

STEEL TRUNKING SYSTEMS

Steel has a mechanical strength that makes it a robust and durable option for public areas where there is a high footfall. Steel trunking is hard-wearing, with all the advantages of inherent LS0H (low smoke zero halogen).

The system has stylish clean lines and greater mechanical strength combined with first class fire performance, excellent screening capability and increased capacity for power and data services.

- Ease of installation – our base unit has two standard mounting holes of 6.5mm every 500mm
- Multiple earthing possibilities in the trunking, via the multi-purpose clip and coupler set
- Base systems held by internal coupler sets with scraping cams
- Friction fit covers
- Simple to cut system – empty base with no rail to cut through
- Wide range of fittings and accessories

Standard colour

The standard colour for Steel trunking is white RAL 9010.

Standard Colour
WH
WH: White RAL 9010

STEEL TRUNKING SYSTEMS

Environmental & sustainability

- Steel is very friendly to the environment - 100% recyclable material.
- Compared to other materials it requires relatively low amounts of energy to produce.
- Can be recycled many times without loss of quality. The steel industry has been recycling for more than 150 years.
- Recycling one tonne of steel saves 1,100 kilos of iron ore, 630 kilos of coal and 55 kilos of limestone.
- Structural steel typically contains around 95% recycled steel content.
- Recycling facilities are well established.

EMI protection

- Steel naturally has very strong EMI protective properties.

Fire performance

- Steel trunking systems meet accepted requirements for LS0H.
- Withstands high temperatures with a melting point of approximately 1370°C (2500°F).
- Type and thickness of any coating needs to be considered as this can affect fire performance.

System 130
130 x 63mm
A compact rectangular dado trunking also suitable as a feeder trunking.

System 170
170 x 63mm
A mid-size rectangular dado and skirting trunking also suitable as a feeder trunking.

Steel Trunking

Steel trunking is a stylish compact pre-galvanised system with a resilient white powder-coat finish that helps prevent smearing and marking

Two standard mounting holes of 6.5mm every 500mm for easy mounting.

Trunking bases have a 6.4mm earth tag at every 500mm.

Internal coupling/bonding set

External tolerance sleeves and joint covers

Dividing fillets allow the systems to be subdivided into two or three compartments.

Multi-purpose clip allows separation of power and data cables - ensuring a 50mm distance between cables or can accommodate the dividing fillet.

* Please note each length of trunking requires three Universal multi-purpose clips to hold the dividing fillets in place

STEEL TRUNKING SYSTEMS

SYSTEM 130

COMPLIANT UP TO
CAT 7A

Steel System 130 is stylish compact pre galvanised trunking system with extra depth and a resilient white powder-coat finish that helps to prevent smearing and marking.

Product information

- 130 x 63mm
- 1 main compartment
- Can be subdivided
- Suitable for dado application
- Compliant up to Cat 7a

Note: Allowance must be made for earthing the trunking system to comply with the current version of the BS 7671 Wiring Regulations.
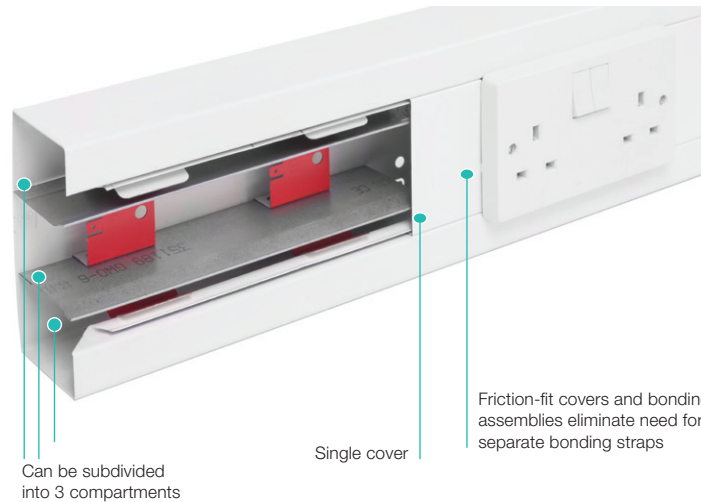
Can be subdivided into 3 compartments

Single cover

Friction-fit covers and bonding assemblies eliminate need for separate bonding straps

STEEL TRUNKING SYSTEMS

Basic components

Fittings

Base unit

code	size	pack
351215	130 x 63mm	1 x 2m

Cover

code	length	pack
351210	1m	10 x 1m
351230	1.5m	10 x 1.5m

Standard Colour
WH
WH: White RAL 9010

Please note: our steel systems may be subject to lead times. For further information please call the Technical Team on +44 (0)1424 856688.

External tolerance sleeve

code	width	pack
351075	40mm	5

External joint cover

code	width	pack
351105	25mm	5

End cap

code	pack
351045	5

Recommended to use with LBS3
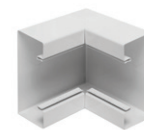
Internal bend base

code	pack
351275	1

External bend base

code	pack
351305	1

External bend cover

code	pack
351240	1

Universal int/ext bend

code	pack
351175	1

Fully adjustable to suit internal or external corners which are not exactly 90 degrees

Flat angle base – up/down

code	pack
351335	1

Flat angle cover

code	pack
351260	1

Flat tee base – up/down

code	pack
351395	1

SYSTEM 170 COMPLIANT UP TO CAT 7A

Steel System 170 is a mid-sized pre-galvanised trunking system with extra depth and a resilient white powder-coat finish that helps to prevent smearing and marking.

Product information

- 170 x 63mm
- 1 main compartment
- Can be subdivided
- Suitable for dado and skirting application
- Compliant up to Cat 7a

Note: Allowance must be made for earthing the trunking system to comply with the current version of the BS 7671 Wiring Regulations.
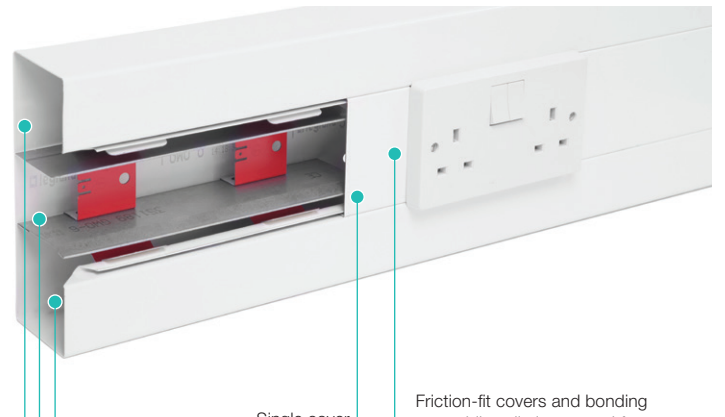
Can be subdivided into 3 compartments

Single cover

Friction-fit covers and bonding assemblies eliminate need for separate bonding straps

Basic components

Base unit

code	size	pack
351216	170 x 63mm	1 x 2m

Cover

code	length	pack
351210	1m	10 x 1m
351230	1.5m	10 x 1.5m

Standard Colour
WH
WH: White RAL 9010

Fittings

External tolerance sleeve

code	width	pack
351076	40mm	5

External joint cover

code	width	pack
351106	25mm	5

End cap

code	pack
351046	5

Recommended to use with LBS3
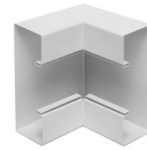
Internal bend base

code	pack
351276	1

External bend base

code	pack
351306	1

External bend cover

code	pack
351240	1

Universal int/ext bend

code	pack
351176	1

Fully adjustable to suit internal or external corners which are not exactly 90 degrees

Flat angle base – up/down

code	pack
351336	1

Flat angle cover

code	pack
351260	1

Flat tee base – up/down

code	pack
351396	1

Components
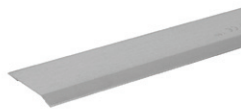
Dividing fillets

code	size	pack
351189	1m	10 x 1m

Universal multi-purpose clip

code	pack
351319	1

Please note: 3 Universal multi-purpose clips are required per length if using dividing fillets.

Internal coupling/bonding set

code	pack
351525	10

Please note: A pack of 10 consists of 10 complete internal couplers

End cap bonding strap

code	pack
LBS3	1

Accessories

Touch-up paint RAL 9010

code	size	pack
351029	25ml	1

Boxes

1 gang accessory box

code	depth	pack
RSSB10WH	40mm	12

2 gang accessory box

code	depth	pack
RSSB20WH	40mm	6

Cover spacer for accessory boxes

code	width	pack
WG01085	50mm	10

NEW

Metal boxes

1 gang box			2 gang box		
code	depth	pack	code	depth	pack
820329	35mm	1	820339	35mm	1

TUFFLEX TILE

A lightweight Correx pattress tile designed to speed up the installation of electrical products within suspended ceiling installations.

REASSURINGLY RECYCLED

Marshall Tufflex

TUFFLEX TILE

The Tufflex Tile is a quick and easy pattress solution that takes the hassle out of traditional ceiling installations. A cleaner, lighter, safer and faster alternative to wood solutions, the Tufflex Tile is super lightweight, strong and easy to cut or drill meaning installations can be completed far more quickly. Additionally, the product is flame retardant and LSF removing a key component of the fire triangle.

50% FASTER — A QUICK & EASY PATTRESS SOLUTION

Product information

- Super lightweight Correx material that's easy to handle and store
- Pre-cut 595 x 595mm squares to suit standard ceiling tile dimensions
- No need to cut or saw plywood/MDF
- Pre-chamfered edges for a quick fit
- Tested to hold a 5kg load
- Flame retardant and self-extinguishing
- Requires less PPE (as no need for cutting and sawing)
- No waste or dust (as no need for cutting and sawing)

Regulations

BS 7671 18th edition wiring regulations, regulation 134.1.1 states that 'the installation of electrical equipment shall take account of manufacturers' instructions - manufacturers recommend that a pattress is required for fixing fittings in suspended ceiling installations.'

TUFFLEX TILE

Tufflex Tile

Tufflex tile

code		pack
CPT1	595 x 595 x 4mm	25

Compliance & Standards

- DIN 4102 Class B1
- UL94 V2 (reduced to V2 because of droplets, otherwise V0 behaviour)
- ASTM D635 burning time less than 5 seconds
- BS 4662:2006+A1:2009 15.4.3.3 - Pass
- BS 2782 Method 508A – Pass
- UK Building Regs Part B

A quick and easy pattress solution

- ✓ **Lightweight**
- ✓ **Easy to cut**
- ✓ **No waste/dust**
- ✓ **Flame retardant**

Find out more at www.marshall-tufflex.com/TufflexTile

WATCH THE VIDEO

MT SUPERTUBE

MT Supertube is a LSOH, three layer heavy gauge conduit offering a considerable installation time saving when compared to galvanised steel conduit

MT SUPERTUBE

MT Supertube is a unique, LS0H, 3-layer heavy gauge conduit comprising polyethylene internal and external layers over a continuous aluminium tube that provides additional mechanical strength. MT Supertube has excellent EMI screening performance and is a practical and cost-saving alternative to standard galvanised conduits.

Internal Polyethylene layer

External Polyethylene layer

Aluminium layer

Product information

- Ø20mm and Ø25mm
- LS0H conduit
- Excellent screening performance
- Suitable for rail, marine and tunnel applications
- ZERO WASTE: available in continuous lengths of up to 100 metres, meaning fewer fittings per installation
- Longer lengths also prevent ingress of water
- Extra security from data interference
- Suitable for in-screed applications
- Withstands temperatures from –45ºC to +120ºC
- Nail penetration: MT Supertube complies with requirements of the current version of BS 7671, BS EN 61386-1:2008
- BS 8436 is specification for 300/500V screened electric cable

Note: Allowance must be made for earthing the trunking system to comply with the current version of the BS 7671 Wiring Regulations.

Standard Colours	
WH	BK
WH: White BK: Black	

Colour code suffix: to indicate the finish you require, add the required colour code to the end of the product code.

Coils and lengths
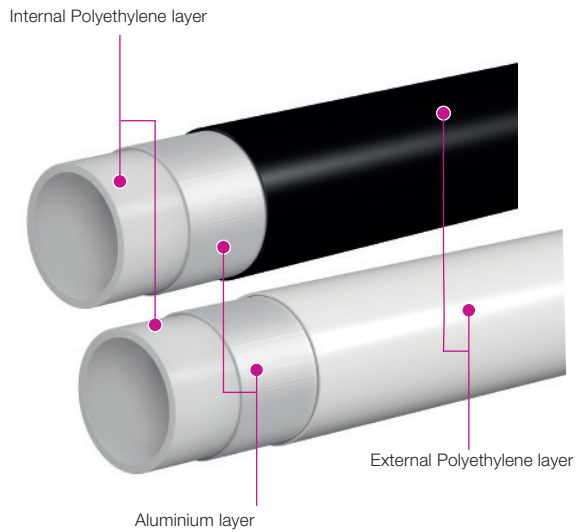
MT Supertube conduit

code	size	pack
22003WH	20mm	30 x 3m
22503WH	25mm	30 x 3m

MT Supertube coils

code	size	pack
22010BK	20mm	1 x 100m
22505BK	25mm	1 x 50m

Only available in black

Tools

Tube cutter

code	size	pack
20001	20-25mm	1

Stripping tool (pre-set)

code	size	pack
20002	20-25mm	1

Compact tube bender

code	size	pack
20003	20-25mm	1

Fittings (metal)

Female adaptor with brass bush

code	size	pack
22077BK	20mm	10
22577BK	25mm	10

Only available in black
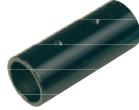
Coupler

code	size	pack
22079BK	20mm	10
22579BK	25mm	10

Only available in black

Universal connector

code	size	pack
22080BK	20mm	10
22580BK	25mm	10

Threaded to enable connection from MT Supertube conduit to any manufacturers boxes and accessories

NEW

Metal spacer bar saddle

code	size	pack
SB20MBK	20mm	100
SB25MBK	25mm	100

Also available in white

NEW

Boxes (metal)

Terminal box

code	size	pack
22072BK	20mm	10
22572BK	25mm	10

Only available in black
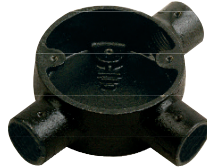
Tee box

code	size	pack
22075BK	20mm	10
22575BK	25mm	10

Only available in black

Through box

code	size	pack
22073BK	20mm	10
22573BK	25mm	10

Only available in black

Angle box

code	size	pack
22074BK	20mm	10
22574BK	25mm	10

Only available in black

Flush lid

code	pack
20007BK	1

Only available in black

MT Supertube EMI protection boxes and fittings

- Provision to accept a 4mm earthing screw
- All boxes supplied with conduit retaining screw
- All boxes are designed to comply with the current version of BS 7671 Wiring Regulations
- Taper push-fit conduit entry

Contractor cost & labour saving example *(based on contractor purchase price)*

Costs calculated on using 100m of 20mm conduit with 8 off 90° bends and estimated manpower costs of £45 per hour.

Galvanised steel
Material cost @ £3.44 per metre + fittings = £356.72
Labour @ 30 mins per metre = 2 metres per hour
50 hours @ £45.00 = £2250.00
Galvanised steel overall costs = £2606.72

MT Supertube
Material cost @ £4.31 per metre + fittings = £452.14
Labour @ 10 mins per metre = 6 metres per hour
16.67 hours @ £45.00 = £750.15
MT Supertube overall costs = £1202.29

The savings on this job amount to £1404.43

53.88% cheaper than galvanised steel

It is also possible to reduce overall project costs by using MT Supertube as it can be bent into position by hand therefore reducing the need for as many fittings.

These figures are based on Marshall-Tufflex trade list price 20th June 2022 (for MT Supertube) and quoted wholesaler prices (for galvanised steel conduit).

MT SUPERTUBE LSOH CONDUIT

Fittings (polycarbonate)

MT SUPERTUBE LS0H CONDUIT

Male adaptor

code	size	pack
22042BK	20mm	25
22542BK	25mm	25

Coupler

code	size	pack
22044BK	20mm	100
22544BK	25mm	50

Spacer bar snap saddle

code	size	pack
22051BK	20mm	100

Spacer bar saddle

code	size	pack
22552BK	25mm	100

U–clip

code	size	pack
22053BK	20mm	100
22553BK	25mm	50

Inspection elbow

code	size	pack
22045BK	20mm	20

Inspection bend

code	size	pack
22546BK	25mm	20

Inspection tee

code	size	pack
22547BK	25mm	20

All purpose adhesive

code	size	pack
20006	50ml	1x50ml

HEALTH & SAFETY DATA SHEETS ARE AVAILABLE FROM www.marshall-tufflex.com AND IN THE INTEREST OF SAFETY, THE SOLVENT CEMENTS ARE REGISTERED WITH THE NATIONAL POISON INFORMATION SERVICE

Boxes (polycarbonate)

Loop–in box

code	size	pack
22011BK	2 x ø20mm KO	20
22511BK	2 x ø25mm KO	20

Terminal box

code	size	pack
22012BK	20mm	20
22512BK	25mm	20

Through box

code	size	pack
22013BK	20mm	20
22513BK	25mm	20

Angle box

code	size	pack
22014BK	20mm	20
22514BK	25mm	20

Tee box

code	size	pack
22015BK	20mm	20
22515BK	25mm	20

Flush lid

code	pack
20005BK	80

MT Supertube LS0H boxes and fittings

- Suitable for suspending a load of up to 3kg centrally at 60ºC maximum
- Fixing centres 50.8mm fitted with M4 brass inserts
- Provision for brass earthing terminals
- Boxes comply with the current version of BS 7671 Wiring Regulations and BS 4607 where applicable

POWERPOLES AND POWERPOSTS

PowerPoles and PowerPosts are a practical and elegant solution for the management of power, data and communication services to island workstations.

Marshall Tufflex

POWERPOLES AND POWERPOSTS

Our square double sided PowerPoles and PowerPosts are a practical solution for the management of power, data and communication services to island workstations.

Product information

- Aluminium body for strength and rigidity
- Suitable for suspended and solid ceiling applications
- Cabling can be fed from the ceiling, from the floor or both
- Supplied with 6 accessory plates
- Standard 3.6m PowerPole includes ceiling fixing bracket
- PowerPole extension kit available to extend up to 5m
- Can be subdivided
- PowerPost designed to fit below standard desk height

Standard finish	
ANWH	WHWH
ANWH	WHWH
• Anodised body	• White body
• White fittings	• White fittings

POWERPOLES AND POWERPOSTS

PowerPole

PowerPole square double–sided

code	pack
PP36001ANWH	1
with 250mm adjustable slide	
PP36001WHWH	1
with 250mm adjustable slide	

Height: Maximum height of PowerPole is 3686mm. For additional heights within ceiling voids, a 1m adjusting slide is available (PHAS2) – see the accessories on next page.

Note: Supplied with 6 accessory plates

Material: Aluminium body with PVC-U covers

Finish: White powder coat or natural anodised finish
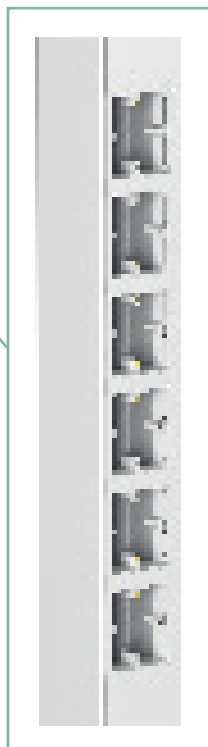
Extension kit double-sided (1400mm)

code		pack
PP1400EAN	anodised	1
PP1400EWH	white	1

PowerPost

PowerPost square double-sided

code	pack
PP685ANWH	1
PP685WHWH	1

Height: Overall height of PowerPost including cap and foot is 692mm

Note: PowerPost is supplied with 6 accessory plates

Material: Aluminium body with PVC-U covers

Finish: White powder coat or natural anodised finish

Fixing system

An adjustable slide fixing system to the ceiling is included with the PowerPole.

POWERPOLE AND POST ACCESSORIES

Components

Accessory box spacer

code	pack
ES1WH	4

For use between accessory boxes and plates

Dividing fillet

code	pack
EDF1	8 x 3m

Adjusting slide

code	size	pack
PHAS2	1150mm	1

To extend the overall height of PowerPole by up to 1m

Boxes and Plates
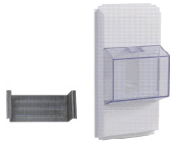
*RCD/MCB housing

code	pack
EAHCA1MWH	polycarbonate	1

*Up to 4 modules can be accomodated

Note: RCDs and MCBs not supplied by Marshall-Tufflex

1 gang accessory box

code	depth	pack
ESSB1WH	30mm	20

1 gang adjustable box

code	depth	pack
EAB1WH	32-47mm	10

1 gang accessory plate

code	pack
ESSP1WH	2

REASSURINGLY RECYCLED

WE ARE PVC-U EXPERTS...

With over 80 years in the extrusion business.

80 YEARS

UNDERFLOOR TO DESK SOLUTIONS

A comprehensive product range of flexible floor to desk cable management and prefabricated wiring systems developed to provide installations that are a fast-fix, flexible and easy to adapt for the contractor and the client
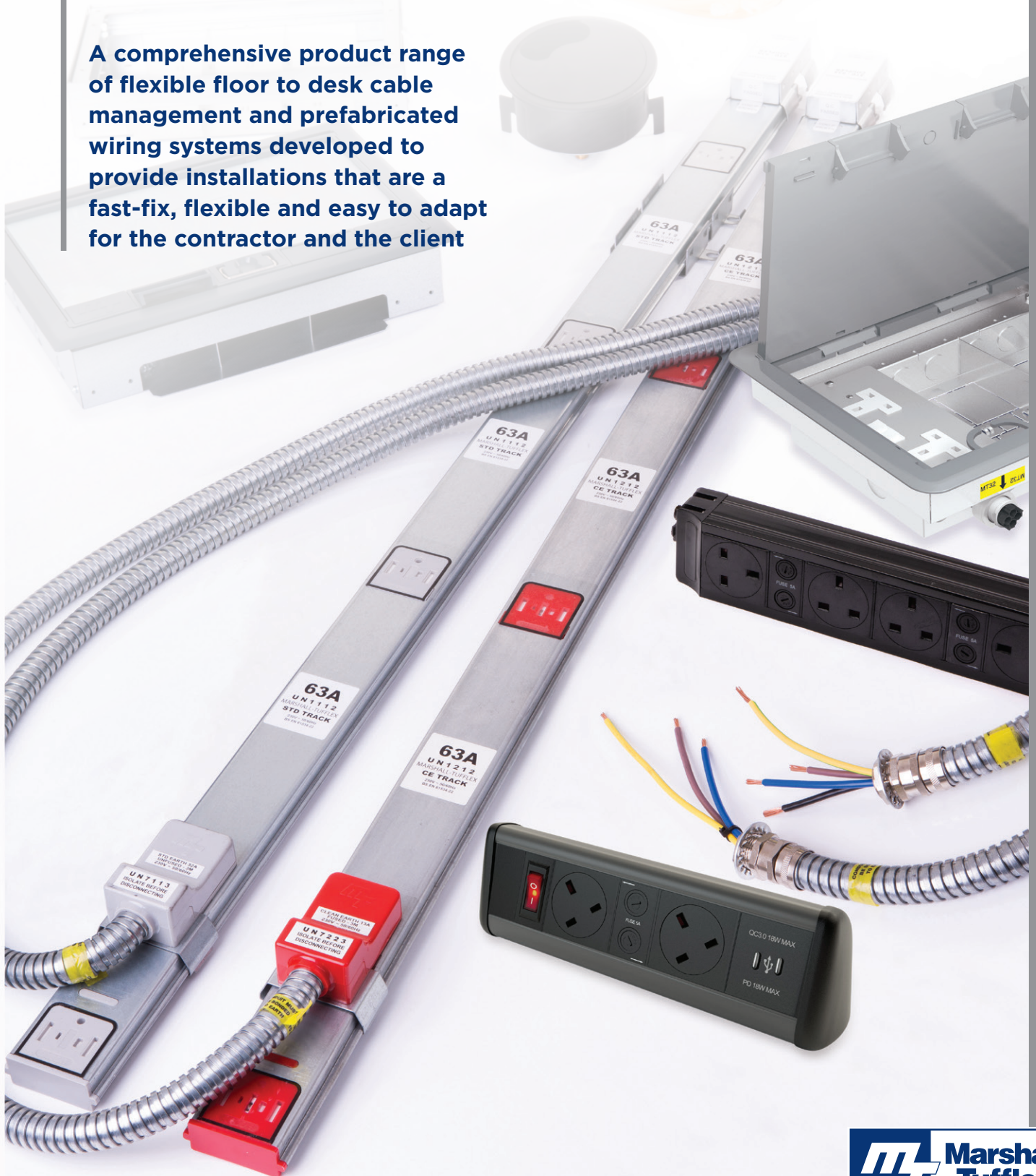
UNDERFLOOR TO DESK SOLUTIONS

Marshall-Tufflex's underfloor to desk solutions incorporate a range of products for the distribution of power and data services from beneath raised floors and in-screed systems to desks.

Underfloor to desk solutions provide a sustainable wiring option, offering zero waste systems which can be re-used and re-configured.

In-screed system

PVC-U or steel ducting with 3 and 4 compartment outlet boxes.
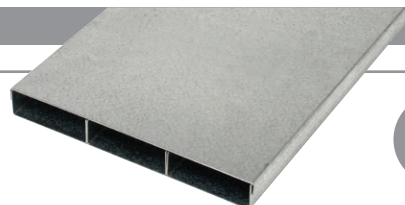
Page 101

Powertrack

Standard and CE (Clean Earth) 63Amp powertrack.

Page 102

Raised floor boxes and grommets

3 and 4 compartment unwired and pre-wired boxes and grommets.

Page 104

Faceplates and accessories

Accessories and accessory mounting plates for raised floor and in-screed floor outlet boxes.
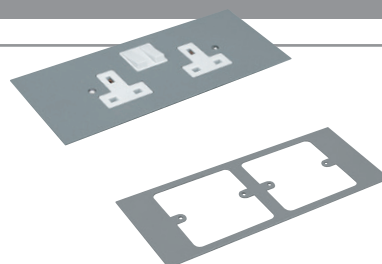
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Power and data modules

A range of moulded pre-wired and assembled power and data units that can be used singly or linked by plug and play cable connectors.

Page 107

Desktop modules

Desktop modules with individually fused UK sockets to give easy access to power, data and USB charging at the desk surface.

Page 110

UNDERFLOOR TO DESK SOLUTIONS

IN-SCREED FLOORING SYSTEMS

A range of floor outlet boxes, fittings and plates in galvanised steel, with choice of PVC-U or steel ducting designed to be positioned within screed flooring.

Product information

- 3 and 4 compartments (boxes come with extra divider to make 4 compartments)
- Suitable for 65-85mm screed depth
- Boxes for deeper floor screed available on request
- Lid recess to suit up to 6mm carpet tile
- For advice on box tray lids for non-standard floor finishes please contact our Technical Team
- Adjustable for box trim height
- Grey moulded carpet trim for floor outlet boxes
- Steel trims with various finishes available
- Universal junction box with integral, fully-reversible cable segregation

3 and 4 compartment floor outlet box

Standard floor box trim
GY

GY: Grey
RAL7011 (floor box trim)

Other trim finishes: Floor boxes can be provided with a variety of trim finishes such as brass, stainless steel and painted colours. For further information please contact the Technical Team on +44 (0)1424 856688.

Junction box

Standard boxes suitable for 65 – 85mm screeded depth

PVC or steel ducting
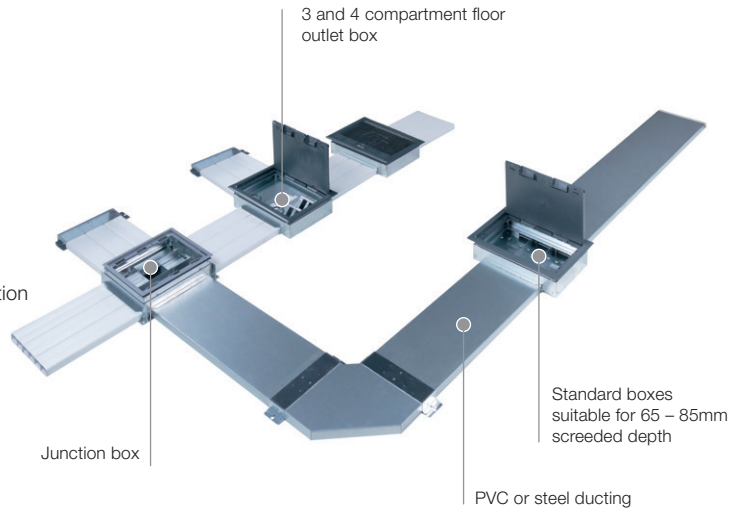
Floor materials

Marshall-Tufflex can supply floor outlet boxes and junction boxes that are suitable for different floor materials, such as marble, stone or wood, or where a higher IP rating is required. For more information on these, please contact our Technical Team on +44 (0)1424 856688.

Basic components

**Floor outlet box
3 & 4 Comp. including lid**

code	size	pack
USF32	357 x 257mm	1
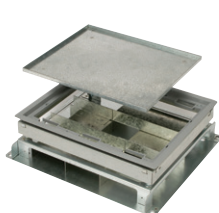
**Universal junction box
(excluding adaptors)**

code	size	pack
USJ3	269 x 234mm	1

**Twin section PVC–U duct
(three ducts required per run)**

code	size	pack
MTU125	75 x 25mm	8 x 3m
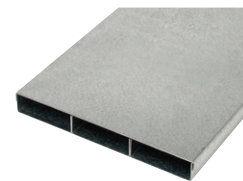
3 Compartment steel duct

code	description	pack
USFT25	225 x 25mm	1 x 2.5m

Please see page 106 for the full range of accessory plates

Blank end

code	description	pack
USFB1	3 x 20mm KO	1
USFB25	6 x 25mm KO	1

Adaptor

code		pack
USFA1		1
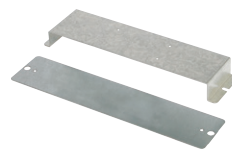
Coupler

code		pack
USFC1		1
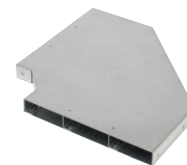
**Flat bend
(excluding connector)**

code	description	pack
USFF1	steel	1
HFP125BK	PVC-U	1

**Riser
(excluding connector)**

code	description	pack
USFV1	steel	1
HVP125	PVC-U	1

Steel screeding plate

code		pack
USFSP1		1

Note: Used in place of box lid when screeding.
Minimum order quantities apply

Floor box lid assembly

code	description	pack
UMLD1	Plastic	1
UMLD3	Steel	1

UNDERFLOOR TO DESK SOLUTIONS

POWERTRACK

A range of 63Amp powertrack complete with integral mounting brackets and pre-assembled end caps and couplers for ease of installation.

Product information

- Each length of track comes complete with pre-assembled coupler, end cap and floor mounting brackets.
- Maximum 63Amp rating
- Tap-offs are key and colour coded for Standard and CE (Clean Earth)
- Tap-offs are 32Amp rated or fused at 13Amp
- Adhesive dust covers protect outlets
- Compatible with MT32 pre-wired floor boxes

Intertek

Powertrack and fittings are independently tested by Intertek

Identification	
Standard	CE
Standard: Grey CE (Clean Earth): Red	

Full range of track lengths and outlet configurations

Colour identification Grey (Standard) and Red (CE) Clean Earth

Pre-assembled end cap

Floor mounting brackets

Pre-assembled coupler
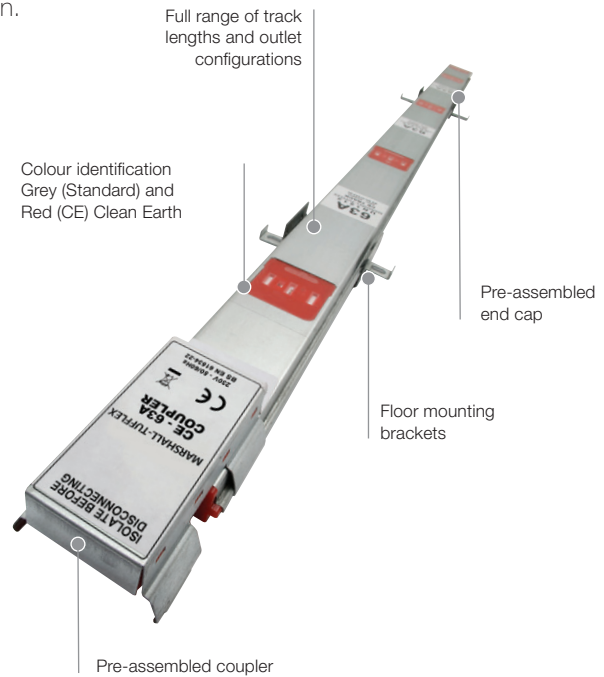
To calculate powertrack lengths required for different floor layouts refer to table on opposite page.

Powertrack Standard

code	length	Number of outlets	pitch (mm)	pack
UN1112	1.2m	4	300	2
UN1118	1.8m	6	300	2
UN1114	2.4m	8	300	2
UN1116	3.6m	12	300	2

Powertrack CE (Clean Earth)

code	length	Number of outlets	pitch (mm)	pack
UN1212	1.2m	4	300	2
UN1218	1.8m	6	300	2
UN1214	2.4m	8	300	2
UN1216	3.6m	12	300	2

UNDERFLOOR TO DESK SOLUTIONS

	Feed unit	Interlink	Interlink	Tap–off units	Tap–off units	Tap–off units	Tap–off units
	Female	Length 1.2m	Length 2.4m	Unfused 32Amp	Fused 13Amp	Unfused 32Amp	Fused 13Amp
	Pack 1	Pack 1	Pack 1	Length 3m	Length 3m	Length 5m	Length 5m
				Pack 1	Pack 1	Pack 1	Pack 1
Standard Rated current 63Amp	UN3100	UN5102	UN5104	UN7113	UN7123	UN7115	UN7125
Low Noise (CE) Rated current 63Amp	UN3200	UN5202	UN5204	UN7213	UN7223	UN7215	UN7225

All tap-off units comply with the latest version of the Wiring Regulations Section 543 (High Integrity Earthing).

Powertrack – run length component chart

To determine the number and size of track required for a given area, select your total run length (in metres) from the left hand column, then find the correct track combinations along that row.

Total run in metres	Track lengths required			
3.6	3.6			
4.2	1.8	2.4		
4.8	2.4	2.4		
5.4	3.6	1.8		
6.0	3.6	2.4		
6.6	2.4	2.4	1.8	
7.2	3.6	3.6		
7.8	3.6	2.4	1.8	
8.4	3.6	3.6	1.2	
9.0	3.6	3.6	1.8	
9.6	3.6	3.6	2.4	
10.2	3.6	3.6	1.8	1.2
10.8	3.6	3.6	3.6	
11.4	3.6	3.6	2.4	1.8
12.0	3.6	3.6	3.6	1.2

Total run in metres	Track lengths required				
12.6	3.6	3.6	3.6	1.8	
13.2	3.6	3.6	3.6	2.4	
13.8	3.6	3.6	3.6	1.8	1.2
14.4	3.6	3.6	3.6	3.6	
15.0	3.6	3.6	3.6	2.4	1.8
15.6	3.6	3.6	3.6	3.6	1.2
16.2	3.6	3.6	3.6	3.6	1.8
16.8	3.6	3.6	3.6	3.6	2.4
17.4	3.6	3.6	3.6	3.6	1.8	1.2
18.0	3.6	3.6	3.6	3.6	3.6
18.6	3.6	3.6	3.6	3.6	2.4	1.8
19.2	3.6	3.6	3.6	3.6	3.6	1.2
19.8	3.6	3.6	3.6	3.6	3.6	1.8

We recommend that no single run of Powertrack exceeds 20 metres.

RAISED FLOOR BOXES AND GROMMETS

MT32 PREFABRICATED WIRING SYSTEMS
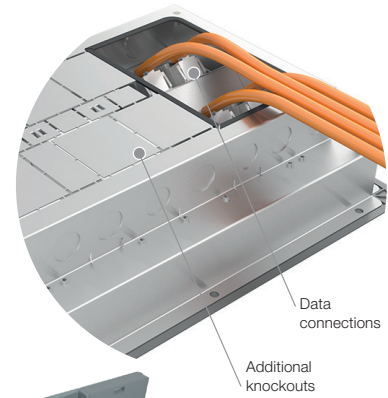
A high quality range of raised floor boxes to provide power and data to desks within the modern office environment. Available as standard or heavy duty versions, boxes are supplied with dividers for quick and easy configuration as either a 3 or 4 compartment box.

Product information

- Standard depth 83mm
- Supplied with dividers to create 3 or 4 compartment box
- Two earth fixing points for flexible positioning of sockets
- 3mm thick medium load plate
- Fixings are pre-punched for quick and easy installation
- Supplied with metal screws to attach trim to box for a secure fix
- Steel sub-frame option for heavy traffic and fine adjustment to allow for uneven flooring
- Supplied with two snap-in cable retainers/guides
- Lid recess to suit up to 6mm carpet tile
- Reversible and self closing lid for extra safety and security
- Barrel lock option available for extra security
- Knockouts in the base for better access
- Data connections to meet data cable specifications

Data connections

Additional knockouts
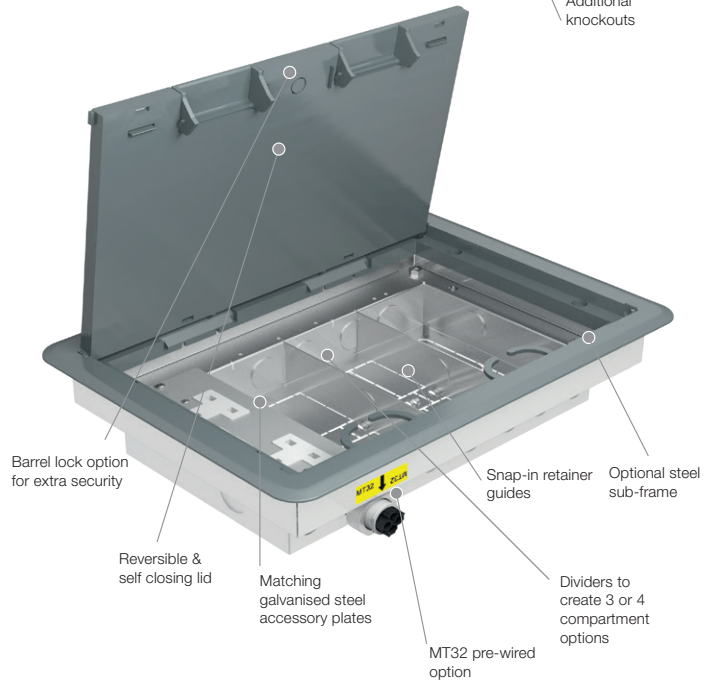
Standard finish
GY
GY: Grey RAL7011 (floor box trim)

Designed and manufactured to
BS EN 61534-22:2014+A11:2021
BS EN 60670-1:2005+A1:2013
BS EN 60670-23:2008
BS EN 50085-14:2005+A1:2013
BS EN 50085-2-2:2008

Barrel lock option for extra security

Reversible & self closing lid

Matching galvanised steel accessory plates

Snap-in retainer guides

Optional steel sub-frame

Dividers to create 3 or 4 compartment options

MT32 pre-wired option

MT32 pre-wired floor boxes

3 compartment floor box (terminal) 357 x 257 x 83mm

code	description	pack
UM1010	1 x 2 gang Std	1
UM1020	2 x 2 gang Std	1
UM1110	1 x 2 gang CE	1
UM1120	2 x 2 gang CE	1

4 compartment floor box (terminal) 357 x 257 x 83mm

code	description	pack
UM5020	2 x 2 gang with offset sockets	1

3 compartment floor box (terminal) with RCD sockets 357 x 257 x 83mm

code	description	pack
UM1410	1 x 2 gang RCD Std	1
UM1420	2 x 2 gang RCD Std	1
UM1610	1 x 2 gang RCD CE	1
UM1620	2 x 2 gang RCD CE	1
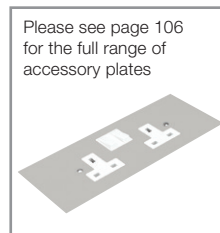
MT32 components

*Female adaptors 220mm tail - fits 20mm knockout

code	description	pack
UA7134	3 pole (female) black	1
UA7144	4 pole (female) black	1

*For adapting additional equipment and floor boxes to modular system.

Tap-off (Standard) to MT32 connector

code	length	rating	pack
UN8113	3m	32Amp unfused	1
UN8115	5m	32Amp unfused	1
UN8123	3m	13Amp fused	1
UN8125	5m	13Amp fused	1

Tap-off (Clean Earth) to MT32 connector

code	length	rating	pack
UN8213	3m	32Amp unfused	1
UN8215	5m	32Amp unfused	1
UN8223	3m	13Amp fused	1
UN8225	5m	13Amp fused	1

UNDERFLOOR TO DESK SOLUTIONS

Pre-wired floor boxes

3 compartment standard pre-wired box with 3m tap-off 357 x 257 x 83mm

code	description	pack
UPW400	1 x 2 gang Std	1
UPW420	2 x 2 gang Std	1

3 compartment CE pre-wired box with 3m tap-off 357 x 257 x 83mm

code	description	pack
UPW405	1 x 2 gang CE	1
UPW425	2 x 2 gang CE	1

4 compartment standard pre-wired box with 3m tap-off 357 x 257 x 83mm

code	description	pack
UPW410	1 x 2 gang Std	1
UPW430	2 x 2 gang Std	1

4 compartment CE pre-wired box with 3m tap-off 357 x 257 x 83mm

code	description	pack
UPW415	1 x 2 gang CE	1
UPW435	2 x 2 gang CE	1

Raised floor boxes

Empty floor box

code	description	pack
UM1000	Plastic lid & trim	1
UM1500	Steel lid & trim	1

Floor box pre-fitted with 3 x UP632 plates

code	description	pack
UM3010	3 x UP632	1

Ready to accept standard twin gang sockets.

Please note to avoid clearance and lid closing issues we recommend a 9.5mm maximum depth of socket plate be used.

Accessories

Sub-frame assembly

code	pack
UMSF1	1

Lock kit

code	pack
UMLK1	1

Raised floor box trim

code	description	pack
UMLD4	Plastic	1

Raised floor lid assembly

code	description	pack
UMLD1	Plastic	1
UMLD3	Steel	1
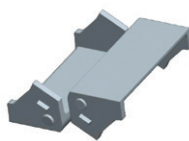
Replacement cable flaps pack

code	pack
UMCB1	1

For plastic lid assembly only

Floor grommets

Floor grommet

code	description	pack
UTG1BK	without foam insert	1
UTG1GY	without foam insert	1

Floor power grommet

code	description	pack
UPG1BK	with foam insert	1
UPG1GY	with foam insert	1

Cut out size for above grommets Ø125mm

Please note the floor box grommets are available in black BK (RAL9004) and grey GY (RAL7037).

ACCESSORY PLATES
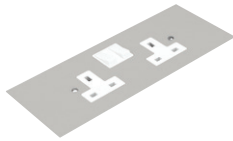
13Amp 2 gang DP/TE switched socket

code	description	pack
UP651	3 comp	1
UP751	4 comp	1
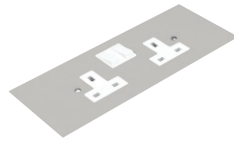
13Amp 2 gang DP/TE switched socket clean earth

code	description	pack
UP653	3 comp	1
UP753	4 comp	1

Single plate 13Amp 2x2 gang DP/TE switched socket

code	description	pack
UP751D	4 comp	1
UP753D	4 comp CE	1

13Amp 2 gang DP/RCD switched socket

code	description	pack
UP660	3 comp Std	1
UP663	3 comp CE	1
UP760	4 comp Std	1
UP763	4 comp CE	1

Not suitable for use with in-screed system.
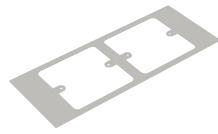
Plate to accept 2 x 1 gang accessory (M3.5 x 60.3mm)

code	description	pack
UP633	3 comp	1
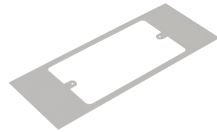
Plate to accept 1 x 2 gang accessory (M3.5 x 120.3mm)

code	description	pack
UP632	3 comp	1

Plate dimensions

3 compartment = 185 x 95mm
4 compartment = 185 x 71mm

Plate material

Plates are manufactured from plain galvanised steel to match floor boxes.

Important

Design of leads, plugs and sockets can vary so thought is required when configuring plates to avoid the clashing of cables which could prevent the floor box lid from closing.

Plate to accept 2 x 1 gang accessory (M3.5 x 60.3mm)

code	description	pack
UP733	4 comp	1

Accessory overlaps adjacent plates

Plate to accept 1 x 2 gang accessory (M3.5 x 120.3mm)

code	description	pack
UP732	4 comp	1

Accessory overlaps adjacent plates

Blank plate

code	description	pack
UP621	3 comp	1
UP721	4 comp	1

Euro plate and collar 2 gang

code	description	pack
UP615	3 comp	1
UP715	4 comp	1
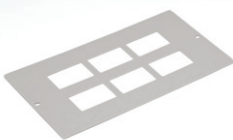
Data/voice plate 6 x RJ45

code	description	pack
UP612	3 comp	1
UP712	4 comp	1

6 x 37mm x 22mm cut outs
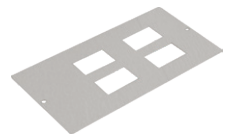
Data/voice plate 4 x RJ45

code	description	pack
UP610	3 comp	1
UP710	4 comp	1

4 x 37mm x 22mm cut outs

Data wave plate 4 x RJ45

code	description	pack
UP617	3 comp	1

4 x 37mm x 22mm cut outs

Data wave plate 2 x RJ45

code	description	pack
UP717	4 comp	1

2 x 37mm x 22mm cut outs

Black 6C blank plate

code	pack
UDC1000	1

Black Cat 6 IDC data module

code	pack
UDC1001	1

Black Cat 6 module assembly

code	length	pack
UDC1002	3m	1
UDC1003	5m	1

300mm launch lead F/F

code		pack
UDC1004	VGA	1
UDC1005	USB	1
UDC1006	HDMI	1
UDC1007	Jack - 3.5mm	1

POWER AND DATA MODULES

A range of power and data modules ideal for under desk mounting.

Product information

- High strength, flame retardant moulded modules
- Polycarbonate RCBO units
- Power modules
- Can be fed from wall trunking, floor boxes, grommets or powerpoles
- For single use or modules can be interlinked
- In-feed supply either by GST 18/3 connection or plug socket
- Options of unswitched individually fused 3.15Amp or 5Amp sockets
- 2, 4 and 6 gang options plus the ability to link modules
- Polycarbonate power modules with twin USB points
- Desk units comply with BS 6396 for Electrical Systems in Office Furniture when powered from a plug socket outlet and with the current version of the BS 7671 Wiring Regulations when powered from a power distribution network.

Flexible in-feed options; GST 18/3 connectors or hardwired tap-offs, or a 20mm knockout

Unswitched individually fused at 3.15 and 5Amp

Various configurations of power and data outlets

Power module configurations

Our range of power modules and RCBOs can be integrated to deliver a complete system from underfloor to desk with a wide range of configurable arrangements.
Desktop Modules can also be used in conjunction with RCBO's to deliver power, data and USB charging at the desktop.

UNDERFLOOR POWERTRACK STANDARD VERSION SHOWN

UP TO 4 UPD2020 TWIN POWER AND DATA FED BY SEPARATE GST LEADS

13A FUSED TAP-OFF UN8123

UPR4040ST WITH PRE-WIRED MT32 CONNECTOR

16A RCBO

UPR8043ST WITH PRE-WIRED MT32 CONNECTOR

UPD2020 TWIN POWER AND DATA FED BY GST18 LEAD

13A FUSED TAP-OFF UN8123

16A RCBO

UPD4020 FOUR POWER AND DATA FED BY GST18 LEAD FROM FLOOR BOX

32A UNFUSED TAP-OFF UN8113

UPD4020 FOUR POWER AND DATA FED BY GST18 LEAD FROM FLOOR BOX

UM1420 DOUBLE 2 GANG 13A RCD PROTECTED SOCKETS WITH PRE-WIRED MT32 CONNECTOR

Power modules

GST in/out modules - Individually fused

Power module 2 gang

code	description	pack
UPM2001	Unswitched	1
UPM2002	Individual switched sockets	1

Power module 4 gang

code	description	pack
UPM4001	Unswitched	1
UPM4002	4 x Power + 1 x Type A USB + 1 x Type C USB	1
UPM4003	Individual switched sockets	1

Power module 6 gang

code	description	pack
UPM6001	Unswitched	1
UPM6002	6 x Power + 1 x Type A USB + 1 x Type C USB	1
UPM6003	Single master switch	1

Please see page 109 for data and other module options

Power and data modules

Direct feed from tap off lead via 20mm gland hole to connector block with multiple 13A socket outlets

GST input, data leads exit via 20mm hole

Power feed unit 4 gang indv fused

code	description	pack
UPR8041	4x13A sockets	2

Power feed unit 6 gang indv fused

code	description	pack
UPR8061	6x13A sockets	2

Power and data module 2 gang

code	description	pack
UPD2020	2 x power + 2x6c data KO	1

Power and data module 4 gang

code	description	pack
UPD4020	4 x Power + 2x6c data KO	1
UPD4040	4 x Power + 4x6c data KO	1

RCBO Modules

Input via GST or 20mm knockout with GST output

Input via pre-wired MT32 connector with GST output

16A RCBO module

code	In/Out	pack
UPR2010	GST/GST	1
UPR2020	20mm/GST	1
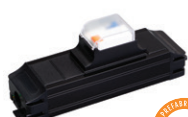
16A RCBO module (MT32)

code	In/Out	pack
UPR2020ST	MT32/GST Standard	1
UPR2020CE	MT32/GST Clean Earth	1

Pre-wired MT32 Tap-off Connectors
To connect MT32 RCBO modules to underfloor powertrack

MT32

Tap-off (Standard) to MT32 connector

code	length	rating	pack
UN8113	3m	32Amp unfused	1
UN8115	5m	32Amp unfused	1
UN8123	3m	13Amp fused	1
UN8125	5m	13Amp fused	1

Tap-off (Clean Earth) to MT32 connector

code	length	rating	pack
UN8213	3m	32Amp unfused	1
UN8215	5m	32Amp unfused	1
UN8223	3m	13Amp fused	1
UN8225	5m	13Amp fused	1

RCBO feed units

Direct feed from tap off lead via 20mm gland hole to connector block with multiple GST outputs

Input via pre-wired MT32 connector with multiple GST outputs (For MT32 tap off options see above)

16A RCBO type C 4 gang

code	description	pack
UPR4040	30mA	2

16A RCBO type C 8 gang

code	description	pack
UPR4080	30mA	2

16A RCBO type C 4 gang

code	description	pack
UPR4040ST	30mA Standard	1
UPR4040CE	30mA Clean earth	1

16A RCBO type C 8 gang

code	description	pack
UPR4080ST	30mA Standard	1
UPR4080CE	30mA Clean earth	1

RCBO Power feed units

Direct feed from tap off lead via 20mm gland hole to connector block with multiple 13A socket outlets	Fed via pre-wired MT32 connector with multiple 13A socket outlets (For MT32 tap offs see previous page)

Power feed unit 4 gang indv fused

code	description	pack
UPR8043	RCBO + 4x13A sockets	2

Power feed unit 6 gang indv fused

code	description	pack
UPR8063	RCBO + 6x13A sockets	2

Power feed unit 4 gang indv fused

code	description	pack
UPR8043ST	RCBO + 4x13A sockets Standard	1
UPR8043CE	RCBO + 4x13A sockets CE	1

Power feed unit 6 gang indv fused

code	description	pack
UPR8063ST	RCBO + 6x13A sockets Standard	1
UPR8063CE	RCBO + 6x13A sockets CE	1

GST Plugs and adaptors

GST 3 pole connector

code	description	pack
UPA3001	Male	1
UPA3002	Female	1

GST connector coupler

code	description	pack
UPA3003	2xF out	1
UPA3004	3xF out	1
UPA3005	5xF out	1

Modules and leads

Black 6C blank plate

code	pack
UDC1000	1

Black Cat 6 IDC data module

code	pack
UDC1001	1

Black Cat 6 module assembly

code	length	pack
UDC1002	3m	1
UDC1003	5m	1

300mm launch lead F/F

code		pack
UDC1004	VGA	1
UDC1005	USB	1
UDC1006	HDMI	1
UDC1007	Jack - 3.5mm	1

Power cables

GST18/3 F & 13A plug

code	length	pack
DM8301	1m	1
DM8302	2m	1
DM8303	3m	1
DM8305	5m	1

GST18/3 M/F Interconnecting lead

code	length	pack
DM8501	0.5m	1
DM8502	1m	1
DM8503	1.5m	1
DM8504	3m	1

Desk surface units

Desk grommet

code	diameter	pack
DG1BK	92mm	1

UNDERFLOOR TO DESK SOLUTIONS

DESKTOP MODULES

A selection of stylish desktop modules for the modern office environment with individually fused UK sockets. Perfect for use in hot desking situations or conference rooms, the modules give easy access to power, data and USB charging at the desk surface.

For flexibility of installation, the units are supplied with two methods of attaching to the desktop. G-Clamps with protective desk guards and adhesive pads are both supplied.

NEW PRODUCT RANGE

- Ergonomic modern design
- 45° angled sockets that can accept large plugs and transformers
- Quick charge USB (1 x Type A + 1 x Type C)
- Sockets are individually fused to 5A
- Includes 500mm pre-wired power lead with male 3-pole connector
- Tough, high impact PVC-U construction
- Flat base for mounting and supplied with desk clamps and adhesive pads
- Master switch with neon power-on indicator
- 6C cut outs for populating with data or multimedia
- GST18/3 plug and play for connectivity to Marshall-Tufflex RCBO modules and feed units

6C data cut outs

Quick charge USB type C sockets
(1 x Type A + 1 x Type C)

Replaceable fuses

Master switch with neon light
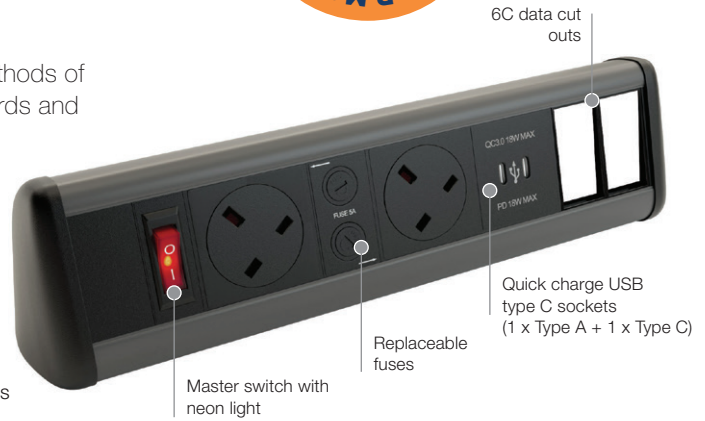
Desktop Power Modules

2G power

code	description	pack
DTM2BK	Master switch	1

4G power

code	description	pack
DTM4BK	Master switch	1

For modules, leads and cables, please see page 109

Desktop Power & USB Modules

2G power 2xUSB*

code	description	pack
DTM22BK	Master switch	1

4G power 2xUSB*

code	description	pack
DTM42BK	Master switch	1

Desktop Power, USB & Data Modules

2G power
2xUSB* 2x6C data cut outs

code	description	pack
DTM222BK	Master switch	1

3G power
2xUSB* 2x6C data cut outs

code	description	pack
DTM322BK	Master switch	1

4G power
2xUSB* 2x6C data cut outs

code	description	pack
DTM422BK	Master switch	1

* Supplied with 1 x Type A USB + 1 x Type C USB

UNDERFLOOR TO DESK SOLUTIONS

GRP LADDER AND TRAY SYSTEMS

GRP ladder and tray support systems provide robust yet lightweight cable management for industrial and commercial applications.

GLASS REINFORCED POLYESTER (GRP)

Glass reinforced polyester (GRP) cable management systems are vitally important for use in the transport, petrochemical and construction industries where it is used to provide lightweight yet mechanically strong materials which replace heavier, more energy consuming materials such as aluminium, steel and concrete. It is a highly competent engineering material, capable of being specified for a large number of construction applications.

GRP cable management systems are well suited to aggressive environments where there might be extreme weather or high temperatures. They are extremely robust, considerably lighter than aluminium or steel, and have excellent resistance against fire and corrosion resulting in a very long life span. GRP systems have a large cable capacity, and offer fast and flexible installation solutions, with the ability of on-site assembly and configuration.

Marshall-Tufflex can offer a wide range of GRP systems including trays, ladders, ground ducts, troughing, accessories and fittings, fixings and supports.

RISQS Verified

RISQS supports Network Rail, LUL/Transport for London, train operators and other rail products and services providers in the management of supply chain risk. RISQS is an independent, third party qualification assessment of a supplier's capability to supply products and services.

Marshall-Tufflex is registered with the RISQS Railway Industry Supplier Qualification scheme

Approvals

Mechanical Behaviour

- Breaking point to NEMA FG1
- Tensile strength at break point to ISO 527-5
- Modulus of elasticity to ISO 527-5
- Accelerated aging to ISO 4892-2 & ISO 9227
- IEC 61537

Electrical behaviour

- Surface resistivity to IEC 6079-0
- Breakage voltage to IEC 60243-1
- Comparative tracking index IEC 60112
- IEC 60093

Fire resistance to DIN 4102 part 12

Linear Thermal Expansion to DIN 53752

Water Absorption to ISO 62

Environmental & sustainability

- Analysis shows GRP to have one of the best environmental impact profiles of any strong building material.
- GRP is easily dismantled and cut up to use in road metalling and can be re-used in other buildings.
- Buildings using GRP within their infrastructure are lighter and require less energy to heat; with building performance life of 40 to 50 years.
- Light weight and easy handling can result in considerable fuel savings.
- Reduction in the need for motorised cranes and platform lift vehicles.
- Use of acetone has been eliminated.
- Recycling trials for composite parts are progressing satisfactorily in several European programmes, using GRP as a source of heat energy and the resultant residue as raw material in cement manufacture.

Fire performance

- Excellent fire performance. GRP is a self-extinguishing composition, halogen-free and with low smoke and fume properties.

Fire Behaviour

- Inflammability to IEC 60695-2-12/ UL94
- Spread of flame to BS 476 part 7 class 2 / ASTM E84 (Up to Class 1 on request)
- Fire propagation to BS 476 Part 6
- Smoke emissions to BS 6853 App B53
- Fire standard to DIN 4102 part 12
- UL 723

Marshall-Tufflex LS0H GRP systems are very robust and particularly suitable for interior and exterior areas where resistance to corrosion is a requirement. They are considerably lighter than aluminium or steel and have excellent fire performance.

Pressed tray
50 x 50mm to 400 x 80mm

A complete range of pressed GRP trays for extended support span up to 3metres.

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Pultruded ladder
200 x 53mm to 900 x 150mm

A pultruded ladder system for installation into tunnels, bridges, railways, underground, offshore and marine environments.
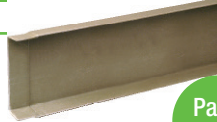
Page 118

GRP industrial support systems
for supporting large powe

Brackets, bolts and rails for use with other GRP systems.

Page 120

Ground ducts
250 x 140mm to 450 x 176mm

Self-supporting systems ideal for railway applications.
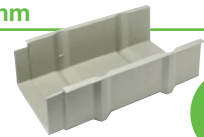
Page 121

Cable troughing
150 to 250 x 150mm

Suited to railway applications where cable ducts cannot be buried.

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GRP LADDER AND TRAY

GRP cable management systems incorporate non-conductive and self-extinguishing properties, as well as stability, wherever they are subjected to high levels of UV and extreme temperatures. GRP systems are ideal solutions for installation in tunnels, bridges, railways, underground, offshore and marine environments.

Rail:

Optimum safety:
- Self-extinguishing UL94 - V0
- In the event of fire, no halogen toxic fumes (fire classification: M1, i0, F0; ASTM E84, Class 2 or Class 1; BS 476 Part 7, Class 2 or 1)
- No sharp edges or burrs, from cutting or drilling

Flexibility and easy mounting:
- Reduces installation costs with unique self coupling mechanism
- No earthing required
- Very strong mechanical resistance, even with high temperature variation
- 10 times lighter than concrete
- Excellent vibration resistance

Sea:

Resists corrosion: atmospheric, UV, saline

Save installation time and costs:
- Reduces use of bolts with clip-on splice plates and fixings
- No expensive protection accessories or coatings necessary
- No sharp edges or burrs, from cutting or drilling
- Ensures strong mechanical resistance with a lighter weight than metal
- Excellent vibration resistance

Road:

Resists corrosion: combustion gas, salt

Optimum safety:
- Self-extinguishing UL94 - V0
- Does not emit halogen or smoke (fire classification: M1, i0, F0; ASTM E84, Class 2 or Class 1; BS 476 Part 7, Class 2 or 1)
- No sharp edges or burrs, from cutting or drilling

Flexibility and easy mounting:
- Reduces installation costs with unique self coupling mechanism
- Save time and money as no earthing is required
- Ensures strong mechanical resistance with a lighter weight than metal
- No expensive protection accessories or coatings necessary
- Excellent vibration resistance
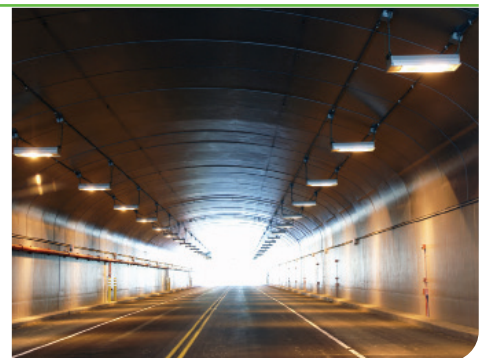
Petrochemical and Process Plant Industries:

Cut down corrosion and maintenance costs
Reduce installation costs
- No earthing required
- No expensive protection accessories or coating
- No sharp edges or burrs, from cutting or drilling

Ensures strong mechanical resistance and a lighter weight
Reduces weight of structure
- Saves 40% against stainless steel
- Saves 15% against aluminium

Energy Distribution:

Very strong mechanical resistance, even with high temperature variation
No expensive protection accessories or coating necessary

Optimum safety:
- Self-extinguishing UL94 - V0
- No toxic fumes or halogen in case of fire (fire classification: M1, i0, F0; ASTM E84, Class 2 or Class 1; BS 476 Part 7, Class 2 or 1)
- No sharp edges or burrs, from cutting or drilling

GRP LADDER AND TRAY

STANDARD SPAN PRESSED TRAY

GRP standard span cable tray and fittings are pressed from glass reindorced polyester resin, using hot moulding technology and facilitating the manufacture of smooth intricate shapes. The system is ideal for installation into tunnels, bridges, railways, underground, offshore and marine environments.

Product information

- A variety of sizes from 50 x 50mm to 400 x 80mm
- 2.5 times lighter than steel
- Completely corrosion resistant against salt spray, H25, acid build up from exhaust gases and brake dust along roads and railways
- No need for painting or protective coating
- Classified LS0H material
- Self-extinguishing
- Low conductivity
- Earthing not required
- Antimagnetic and resistant to electromagnetic pulses
- Effective at temperatures between -80℃ to +130℃
- Lower life cycle cost
- Fast installation with fewer fasteners
- Easy to cut and drill
- Load characteristics in accordance with IEC 61537 (for load or other calculations and values, please refer to the technical section)

Reduced use of bolts

GRP is a non-conductive material with excellent fire performance and high corrosion resistance

Basic components

Non-perforated pressed tray – 3 metres

code	size	pack
KK5050	50 x 50mm	1 x 3m
KK10050	100 x 50mm	1 x 3m
KK15050	150 x 50mm	1 x 3m
KK20050	200 x 50mm	1 x 3m
KK30050	300 x 50mm	1 x 3m
KK10080	100 x 80mm	1 x 3m
KK15080	150 x 80mm	1 x 3m
KK20080	200 x 80mm	1 x 3m
KK30080	300 x 80mm	1 x 3m
KK40080	400 x 80mm	1 x 3m
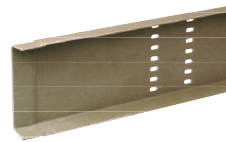
Perforated pressed tray – 3 metres

code	size	pack
KKL5050	50 x 50mm	1 x 3m
KKL10050	100 x 50mm	1 x 3m
KKL15050	150 x 50mm	1 x 3m
KKL20050	200 x 50mm	1 x 3m
KKL30050	300 x 50mm	1 x 3m
KKL10080	100 x 80mm	1 x 3m
KKL15080	150 x 80mm	1 x 3m
KKL20080	200 x 80mm	1 x 3m
KKL30080	300 x 80mm	1 x 3m
KKL40080	400 x 80mm	1 x 3m
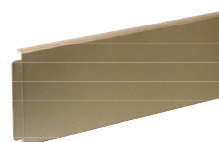
Tray cover – 3 metres

code	to fit	pack
KKD50	50 x 50mm	1 x 3m
KKD100	100 x 50/80mm	1 x 3m
KKD150	150 x 50/80mm	1 x 3m
KKD200	200 x 50/80mm	1 x 3m
KKD300	300 x 50/80mm	1 x 3m
KKD400	400 x 80mm	1 x 3m

Tray divider – 3 metres

code	tray height	pack
KKT50	50mm	1x3m
KKT80	80mm	1x3m

Requires 3 x M616/V4A per length (Nut, bolt and washer)

Fittings

Tray cover clip

code	size	pack
DF50	50mm	50
DF80	80mm	50

Tray end cap

code	to fit	pack
KKKE5050	50 x 50mm	1
KKKE10050	100 x 50mm	1
KKKE15050	150 x 50mm	1
KKKE20050	200 x 50mm	1
KKKE30050	300 x 50mm	1
KKKE10080	100 x 80mm	1
KKKE15080	150 x 80mm	1
KKKE20080	200 x 80mm	1
KKKE30080	300 x 80mm	1
KKKE40080	400 x 80mm	1

Tray internal bend base

code	to fit	pack
KKBI5050	50 x 50mm	1
KKBI10050	100 x 50mm	1
KKBI15050	150 x 50mm	1
KKBI20050	200 x 50mm	1
KKBI30050	300 x 50mm	1
KKBI10080	100 x 80mm	1
KKBI15080	150 x 80mm	1
KKBI20080	200 x 80mm	1
KKBI30080	300 x 80mm	1
KKBI40080	400 x 80mm	1

Tray internal bend cover

code	to fit	pack
KKBID5050	50 x 50mm	1
KKBID10050	100 x 50mm	1
KKBID15050	150 x 50mm	1
KKBID20050	200 x 50mm	1
KKBID30050	300 x 50mm	1
KKBID10080	100 x 80mm	1
KKBID15080	150 x 80mm	1
KKBID20080	200 x 80mm	1
KKBID30080	300 x 80mm	1
KKBID40080	400 x 80mm	1

GRP LADDER AND TRAY

Fittings

Tray external bend base

code	to fit	pack
KKBA5050	50 x 50mm	1
KKBA10050	100 x 50mm	1
KKBA15050	150 x 50mm	1
KKBA20050	200 x 50mm	1
KKBA30050	300 x 50mm	1
KKBA10080	100 x 80mm	1
KKBA15080	150 x 80mm	1
KKBA20080	200 x 80mm	1
KKBA30080	300 x 80mm	1
KKBA40080	400 x 80mm	1

Tray external bend cover

code	to fit	pack
KKBAD5050	50 x 50mm	1
KKBAD10050	100 x 50mm	1
KKBAD15050	150 x 50mm	1
KKBAD20050	200 x 50mm	1
KKBAD30050	300 x 50mm	1
KKBAD10080	100 x 80mm	1
KKBAD15080	150 x 80mm	1
KKBAD20080	200 x 80mm	1
KKBAD30080	300 x 80mm	1
KKBAD40080	400 x 80mm	1

Tray flat angle base (small radius)

code	to fit	pack
KKW5050	50 x 50mm	1
KKW10050	100 x 50mm	1
KKW15050	150 x 50mm	1
KKW20050	200 x 50mm	1
KKW30050	300 x 50mm	1
KKW10080	100 x 80mm	1
KKW15080	150 x 80mm	1
KKW20080	200 x 80mm	1
KKW30080	300 x 80mm	1

Tray flat angle cover (small radius)

code	to fit	pack
KKWD50	50 x 50mm	1
KKWD100	100 x 50/80mm	1
KKWD150	150 x 50/80mm	1
KKWD200	200 x 50/80mm	1
KKWD300	300 x 50/80mm	1

Tray flat angle base (large radius)

code	to fit	pack
KKB15050	150 x 50mm	1
KKB20050	200 x 50mm	1
KKB30050	300 x 50mm	1
KKB10080	100 x 80mm	1
KKB15080	150 x 80mm	1
KKB20080	200 x 80mm	1
KKB30080	300 x 80mm	1
KKB40080	400 x 80mm	1

Tray flat angle cover (large radius)

code	to fit	pack
KKBD150	150 x 50/80mm	1
KKBD200	200 x 50/80mm	1
KKBD300	300 x 50/80mm	1
KKBD100	100 x 80mm	1
KKBD400	400 x 80mm	1

Tray flat angle 135° base (large radius)

code	to fit	pack
KKC10080	100 x 80mm	1
KKC15080	150 x 80mm	1
KKC20080	200 x 80mm	1
KKC30080	300 x 80mm	1
KKC40080	400 x 80mm	1

Tray flat angle 135° cover (large radius)

code	to fit	pack
KKCD100	100 x 80mm	1
KKCD150	150 x 80mm	1
KKCD200	200 x 80mm	1
KKCD300	300 x 80mm	1
KKCD400	400 x 80mm	1
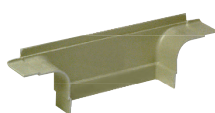
Tray flat tee base (small radius)

code	to fit	pack
KKSS5050	50 x 50mm	1
KKSS10050	100 x 50mm	1
KKSS15050	150 x 50mm	1
KKSS20050	200 x 50mm	1
KKSS30050	300 x 50mm	1
KKSS10080	100 x 80mm	1
KKSS15080	150 x 80mm	1
KKSS20080	200 x 80mm	1
KKSS30080	300 x 80mm	1

Tray flat tee cover (small radius)

code	to fit	pack
KKSSD50	50 x 50mm	1
KKSSD100	100 x 50mm	1
KKSSD150	150 x 50mm	1
KKSSD200	200 x 50mm	1
KKSSD300	300 x 50mm	1
KKSSD100	100 x 80mm	1
KKSSD150	150 x 80mm	1
KKSSD200	200 x 80mm	1
KKSSD300	300 x 80mm	1

Tray flat tee base (large radius)

code	to fit	pack
KKST10050	100 x 50mm	1
KKST15050	150 x 50mm	1
KKST20050	200 x 50mm	1
KKST30050	300 x 50mm	1
KKST10080	100 x 80mm	1
KKST15080	150 x 80mm	1
KKST20080	200 x 80mm	1
KKST30080	300 x 80mm	1
KKST40080	400 x 80mm	1

Tray flat tee cover (large radius)

code	to fit	pack
KKSTD100	100 x 50/80mm	1
KKSTD150	150 x 50/80mm	1
KKSTD200	200 x 50/80mm	1
KKSTD300	300 x 50/80mm	1
KKSTD400	400 x 80mm	1

GRP LADDER AND TRAY

Fittings

Tray offset base set

code	to fit	pack
KKET10080	100 x 80mm	1
KKET15080	150 x 80mm	1
KKET20080	200 x 80mm	1
KKET30080	300 x 80mm	1
KKET40080	400 x 80mm	1

Tray offset cover set

code	to fit	pack
KKETD10080	100 x 80mm	1
KKETD15080	150 x 80mm	1
KKETD20080	200 x 80mm	1
KKETD30080	300 x 80mm	1
KKETD40080	400 x 80mm	1
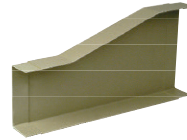
Tray reducer LH base

code	reduction	pack
KKRL20080	200 to 100	1
KKRL30080	300 to 200	1
KKRL40080	400 to 300	1
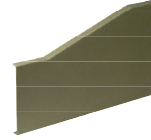
Tray reducer LH cover

code	reduction	pack
KKRLD200	200 to 100	1
KKRLD300	300 to 200	1
KKRLD400	400 to 300	1
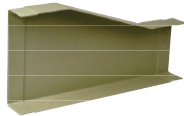
Tray reducer RH base

code	reduction	pack
KKRR20080	200 to 100	1
KKRR30080	300 to 200	1
KKRR40080	400 to 300	1
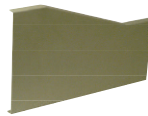
Tray reducer RH cover

code	reduction	pack
KKRRD200	200 to 100	1
KKRRD300	300 to 200	1
KKRRD400	400 to 300	1

Cover clips

Because GRP expands in heat these unique clips have been developed to ensure the lid remains firmly in place, even when subjected to extreme heat expansion. The clips are for use with the GRP tray and ladder systems and will prevent the lid from being displaced.
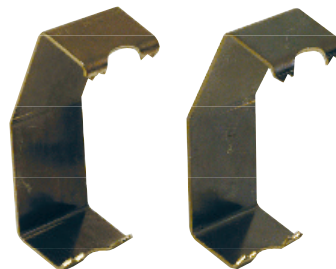
GRP cover clips

code	pack
DF50	50
DF80	50

GRP LADDER AND TRAY

PULTRUDED LADDER

GRP pultruded ladders are manufactured by pultrusion, a process using layers of mats and rovings injected with resin and pulled through a die in a continuous operation. The system is ideal for installation into tunnels, bridges, railways, underground, offshore and marine environments.

Product information

- A variety of sizes from 200 x 53mm to 900 x 150mm
- 2.5 times lighter than steel
- Completely corrosion resistant against salt spray, H25, acid build up from exhaust gases and brake dust along roads and railways
- No need for painting or protective coating
- Classified LS0H material
- Self-extinguishing
- Low conductivity
- Earthing not required
- Antimagnetic and resistant to electromagnetic pulses
- Effective at temperatures between -80°C to +130°C
- Lower life cycle cost
- Fast installation with fewer fasteners
- Easy to cut and drill
- Load characteristics in accordance with IEC 61537
  (for load or other calculations and values, please refer to the technical section)

Basic components

Ladder

code	size	pack
UL20053	200 x 53mm	1x3m
UL20080	200 x 80mm	1x3m
UL150100	150 x 100mm	1x3m
UL300100	300 x 100mm	1x3m
UL400100	400 x 100mm	1x3m
UL600100	600 x 100mm	1x3m
UL900100	900 x 100mm	1x3m
UL150150	150 x 150mm	1x3m
UL300150	300 x 150mm	1x3m
UL400150	400 x 150mm	1x3m
UL600150	600 x 150mm	1x3m
UL900150	900 x 150mm	1x3m

Ladder cover

code	to fit	pack
KKD200	200 x 53mm	1x3m
KKD200	200 x 80mm	1x3m
KKD150	150 x 100mm	1x3m
KKD300	300 x 100mm	1x3m
KKD400	400 x 100mm	1x3m
KKD600	600 x 100mm	1x3m
KKD900	900 x 100mm	1x1.5m
KKD150	150 x 150mm	1x3m
KKD300	300 x 150mm	1x3m
KKD400	400 x 150mm	1x3m
KKD600	600 x 150mm	1x3m
KKD900	900 x 150mm	1x1.5m

Fittings
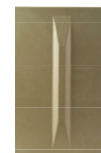
Ladder cover clip

code	pack
DF50	50
DF80	50
DF100	50
DF150	50

Ladder horizontal coupler* (Set of 2 pieces)

code	pack
ULIH53	1
ULIH80	1
ULIH100	1
ULIH150	1

* Requires 4 x M616/V4A
(Nut, bolt and washer)

Ladder int/ext angle base

code	to fit	pack
ULBA20053	200 x 53mm	1
ULBA20080	200 x 80mm	1
ULBA150100	150 x 100mm	1
ULBA300100	300 x 100mm	1
ULBA400100	400 x 100mm	1
ULBA600100	600 x 100mm	1
ULBA900100	900 x 100mm	1
ULBA150150	150 x 150mm	1
ULBA300150	300 x 150mm	1
ULBA400150	400 x 150mm	1
ULBA600150	600 x 150mm	1
ULBA900150	900 x 150mm	1

Ladder int/ext angle cover

code	to fit	pack
ULBAD20053	200 x 53mm	1
ULBAD20080	200 x 80mm	1
ULBAD150100	150 x 100mm	1
ULBAD300100	300 x 100mm	1
ULBAD400100	400 x 100mm	1
ULBAD600100	600 x 100mm	1
ULBAD900100	900 x 100mm	1
ULBAD150150	150 x 150mm	1
ULBAD300150	300 x 150mm	1
ULBAD400150	400 x 150mm	1
ULBAD600150	600 x 150mm	1
ULBAD900150	900 x 150mm	1

GRP LADDER AND TRAY

Fittings

Ladder flat angle 90° base

code	to fit	pack
ULB20053	200 x 53mm	1
ULB20080	200 x 80mm	1
ULB150100	150 x 100mm	1
ULB300100	300 x 100mm	1
ULB400100	400 x 100mm	1
ULB600100	600 x 100mm	1
ULB900100	900 x 100mm	1
ULB150150	150 x 150mm	1
ULB300150	300 x 150mm	1
ULB400150	400 x 150mm	1
ULB600150	600 x 150mm	1
ULB900150	900 x 150mm	1

Ladder flat angle 90° cover

code	to fit	pack
ULBD200	200 x 53/80mm	1
ULBD150	150 x 100/150mm	1
ULBD300	300 x 100/150mm	1
ULBD400	400 x 100/150mm	1
ULBD600	600 x 100/150mm	1
ULBD900	900 x 100/150mm	1

Ladder flat tee base

code	to fit	pack
ULTE20053	200 x 53mm	1
ULTE20080	200 x 80mm	1
ULTE150100	150 x 100mm	1
ULTE300100	300 x 100mm	1
ULTE400100	400 x 100mm	1
ULTE600100	600 x 100mm	1
ULTE900100	900 x 100mm	1
ULTE150150	150 x 150mm	1
ULTE300150	300 x 150mm	1
ULTE400150	400 x 150mm	1
ULTE600150	600 x 150mm	1
ULTE900150	900 x 150mm	1

Ladder flat tee cover

code	to fit	pack
ULTED200	200 x 53/80mm	1
ULTED150	150 x 100/150mm	1
ULTED300	300 x 100/150mm	1
ULTED400	400 x 100/150mm	1
ULTED600	600 x 100/150mm	1
ULTED900	900 x 100/150mm	1

Ladder flat crossover base

code	to fit	pack
ULX20053	200 x 53mm	1
ULX20080	200 x 80mm	1
ULX150100	150 x 100mm	1
ULX300100	300 x 100mm	1
ULX400100	400 x 100mm	1
ULX600100	600 x 100mm	1
ULX900100	900 x 100mm	1
ULX150150	150 x 150mm	1
ULX300150	300 x 150mm	1
ULX400150	400 x 150mm	1
ULX600150	600 x 150mm	1
ULX900150	900 x 150mm	1

Ladder flat crossover cover

code	to fit	pack
ULXD200	200 x 53/80mm	1
ULXD150	150 x 100/150mm	1
ULXD300	300 x 100/150mm	1
ULXD400	400 x 100/150mm	1
ULXD600	600 x 100/150mm	1
ULXD900	900 x 100/150mm	1

Ladder reducer

code	to fit ladder depth	Reduction achieved	pack
ULR15053	53mm	150mm	1
ULR15080	80mm	150mm	1
ULR100100	100mm	100mm	1
ULR200100	100mm	200mm	1
ULR300100	100mm	300mm	1
ULR200150	150mm	200mm	1
ULR300150	150mm	300mm	1
ULR500150	150mm	500mm	1

Vertical variable angle plate (Set of 2 pieces)

code	size	pack
ULIV53	53mm	1
ULIV80	80mm	1
ULIV100	100mm	1
ULIV150	150mm	1

Components
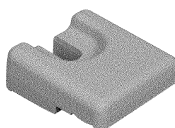
Ladder hold down clamp+

code	pack
ULKGHA	1

+ Requires 1 x M1040/4AHEX
  (Nut, bolt and washer)

GRP LADDER AND TRAY

SUPPORT SYSTEMS

GRP Support Systems

GRP LADDER AND TRAY

FPAM Bracket

code	size	pack
FPAM100	100mm	1
FPAM200	200mm	1
FPAM250	250mm	1
FPAM300	300mm	1

Bracket

code	size	pack
FPAP100AC	100mm	1
FPAP150AC	150mm	1
FPAP200AC	200mm	1
FPAP250AC	250mm	1
FPAP300AC	300mm	1
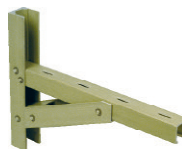
Bracket

code	size	pack
FPAP400AC	400mm	1
FPAP500AC	500mm	1
FPAP600AC	600mm	1

Adjustable strut/rail (GRP) 45 x 45 mm

code	size	pack
FPAR2000AC	2m	1
FPAR3000AC	3m	1

Clamp bolt assembly S/S M10 x 30mm

code	pack
FPBGV10/V4A	1

H/D Bracket Type 'A' S/S

code	size	pack
AV200S	200mm	1
AV250S	250mm	1
AV300S	300mm	1
AV400S	400mm	1
AV500S	500mm	1
AV600S	600mm	1

Adjustable strut/rail (S/S) 40 x 40 x 2000mm

code	pack
ASSV2000	1

Clamp bolt assembly S/S M10 x 30mm

code	pack
BGSV	1

Nut, bolt and washers

code	pack
M616/V4A*	100
M1040/4AHEX***	100

* For use with Tray divider KKT50 / KKT80 or Ladder horizontal coupler ULIH

*** For use with Ladder hold down clamp ULKGHA

GROUND DUCTS AND PROFILES

GRP ground ducts and profiles are ideal for railway applications wherever below ground installations are required.

Product information

Ducts
- 250 x 140mm to 450 x 176mm
- Rigid and self-supporting
- 3 times lighter than GRC (Glass fibre Reinforced Concrete)
- 10 times lighter than concrete
- 2.5 times lighter than steel
- Impact and frost resistant
- Easy to handle and load

Profile
- 36 x 35mm to 143 x 53mm
- Avoids ballast falling into ducts
- Ensures perfect positioning of ground duct covers
- Increases capacity of existing concrete ground ducts
- High mechanical and corrosion performance
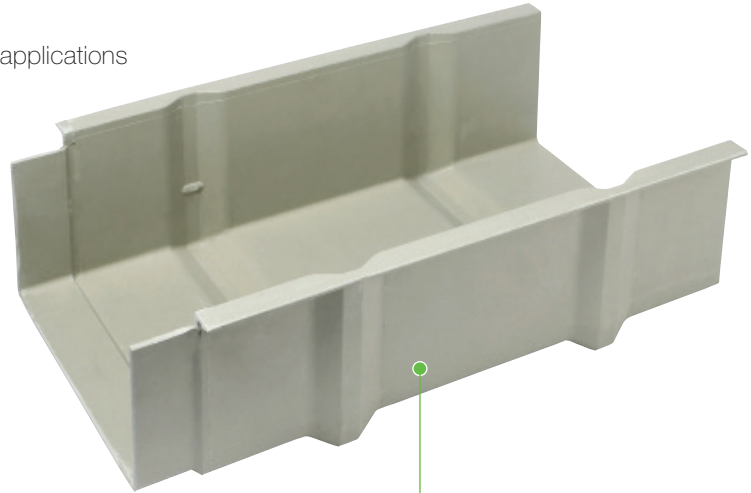
GRP is a non-conductive material with excellent fire performance and high corrosion resistance.

Ground ducts and profiles

Duct base 2500mm

code	size	pack
BK200140	250 x 140mm	1
BK300176	350 x 176mm	1
BK400176	450 x 176mm	1

Cover 1250mm

code	to fit	pack
BKDR200	250 x 140mm	1
BKDR300	350 x 176mm	1
BKDR400	450 x 176mm	1

Clip for cover mounting

code	pack
DF94/4	1
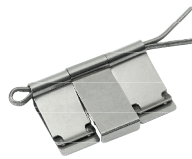
Set of clips and hinge for articulate cover mounting

code	pack
DF94/C	1

Ground duct profile

code	to fit	pack
PR3635	36 x 35mm	1
PR5045	50 x 45mm	1
PR5555	55 x 55mm	1
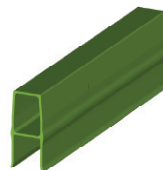
Ground duct A profile

code	to fit	pack
PR5080	143 x 53mm	1

Ground duct profile
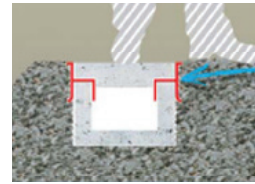
Ground duct A profile

- Increases cable capacity of existing concrete ground ducts
- High mechanical and corrosion performance
- Highly effective at minimum cost
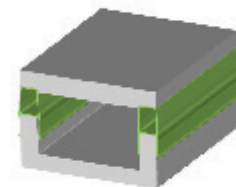
GRP LADDER AND TRAY

CABLE TROUGHING

GRP cable troughing is ideally suited to railway applications where cable ducts cannot be buried.

Product information

- 150 and 250 x 150mm
- Self-supporting base
- High mechanical loading capacity
- One post every 6m
- Lightweight product
- Only one person required for installation

GRP is a non-conductive material with excellent fire performance and high corrosion resistance

Basic components

Base and pre–mounted connector 6M

code	size	pack
SP150150	150 x 150mm	1
SP250150	250 x 150mm	1

U–Shaped connector

code	to fit	pack
SPIH150150	150 x 150mm	1
SPIH250150	250 x 150mm	1

Splice plate

code	to fit	pack
KKIH50	150 x 150mm	1

Cable trough covers

code	to fit	pack
KKDL150	150 x 150mm	1
KKDL250	250 x 150mm	1

Fittings
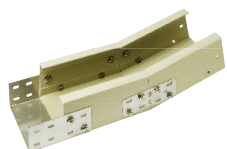
Internal vertical elbow 15˚

code	size	pack
SPBI150	150 x 150mm	1
SPBI250	250 x 150mm	1
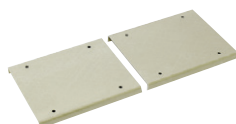
Cover for internal vertical elbow 15˚

code	to fit	pack
SPBID150	150 x 150mm	1
SPBID250	250 x 150mm	1
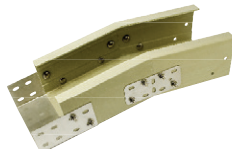
External vertical elbow 15˚

code	size	pack
SPBA150	150 x 150mm	1
SPBA250	250 x 150mm	1
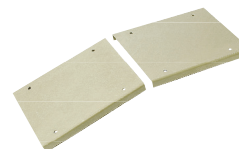
Cover for external vertical elbow 15˚

code	to fit	pack
SPBAD150	150 x 150mm	1
SPBAD250	250 x 150mm	1

Horizontal elbow 15˚

code	size	pack
SPB150	150 x 150mm	1
SPB250	250 x 150mm	1

Cover for horizontal elbow 15˚

code	to fit	pack
SPBD150	150 x 150mm	1
SPBD250	250 x 150mm	1

Fittings

Steel post 1500mm

code	to fit	pack
SPP100150	150/250 x 150mm	1

Steel post 2000mm

code	to fit	pack
SPP100200	150/250 x 150mm	1

Steel post 2500mm

code	to fit	pack
SPP100250	150/250 x 150mm	1

Steel mounting plate

code	to fit	pack
SPC100150	150 x 150mm	1
SPC100250	250 x 150mm	1

HDG steel cable out fitting with bolts

code	to fit	pack
SPKA	150/250 x 150mm	1

316 SS bolts and nuts for SPIH/KKIH

code	to fit	pack
SPM1025	for 150/250 x 150mm	1

HDG steel bolts, nuts and U–shaped washers

code	to fit	pack
SPM1025/HDG	150/250 x 150mm	1

GRP LADDER AND TRAY

GRP LADDER AND TRAY

REASSURINGLY RECYCLED

Not only are we reducing landfill;

MANUFACTURING FROM RECYCLED PVC-U REDUCES CARBON EMISSIONS BY 20 TIMES VS VIRGIN MATERIAL

CO_2

REASSURINGLY RECYCLED
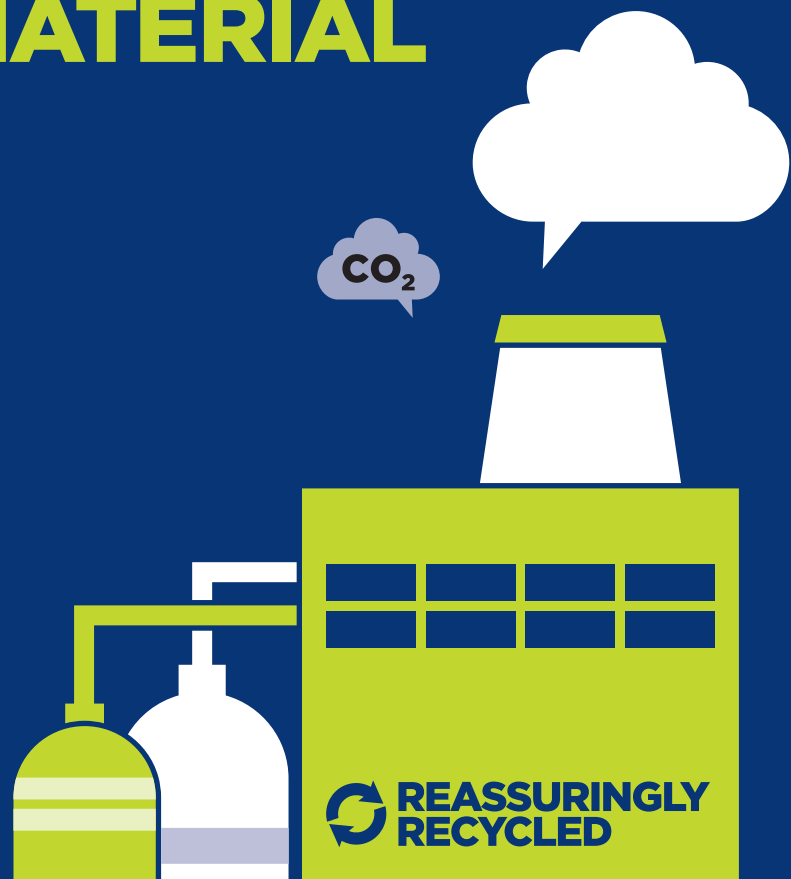
WIRE BASKET SYSTEMS

Basor fast fit wire basket solutions for the simple routing of power and data cables.

BE Basor

CABLE TRAY SPECIALIST

Marshall Tufflex
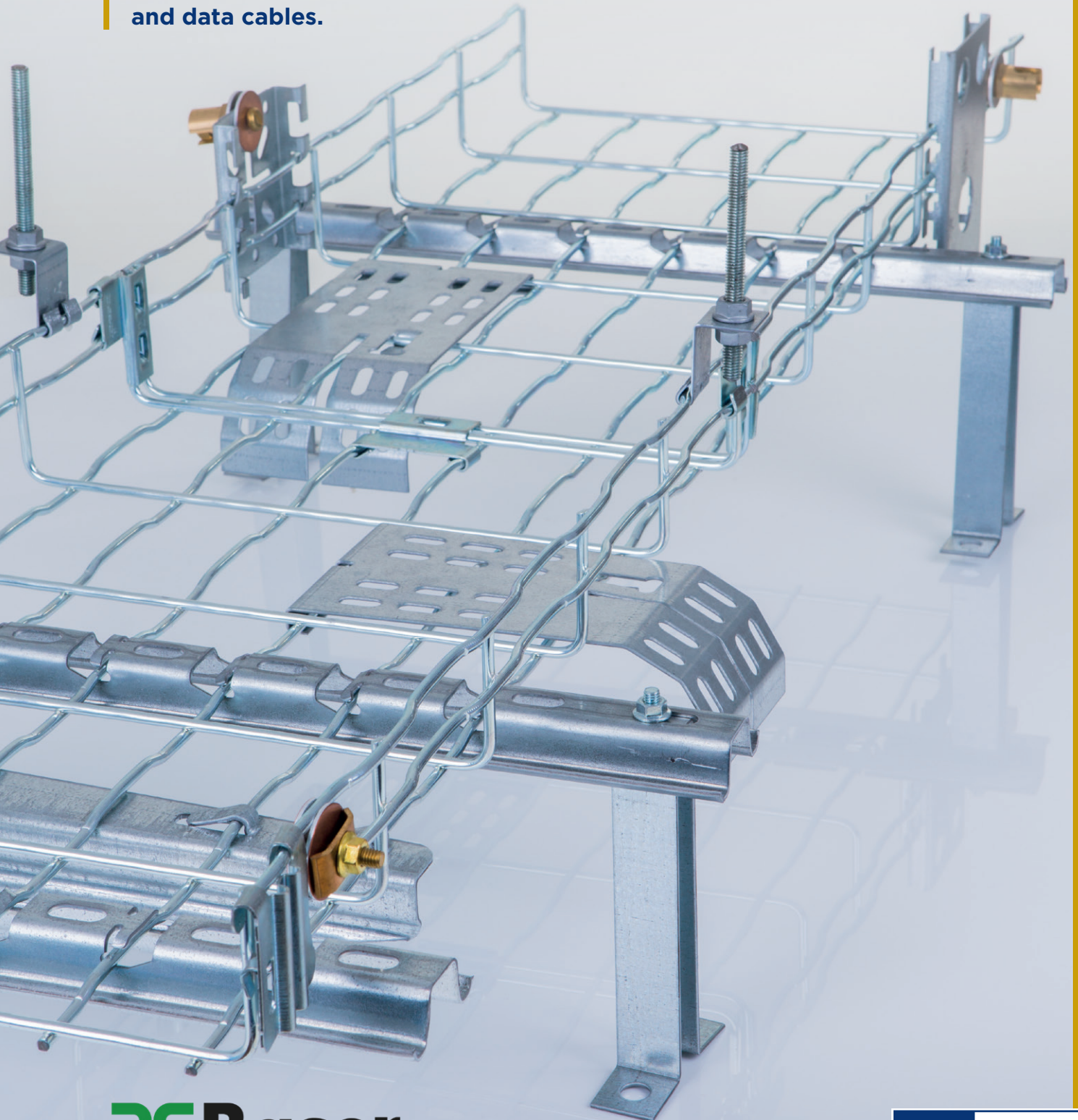
WIRE BASKET SYSTEMS

A range of Fast Coupling Wire Basket for the simple routing of power and data cables. Strong and simple to install, Basor Wire Basket offers maximum cable ventilation and a high level of resistance to cable movement.

Connection between sections of wire basket is quick and easy thanks to the integral couplers which results in reduced installation times and labour savings.

A unique rippled wire design enhances the product strength and resists flexing.

3E Basor
CABLE TRAY SPECIALIST

Fast-Coupling

Fast-Coupling Wire Basket is quick and simple to install:

- Two step mounting: fitting and pressure.
- The couplers at the end of the tray are used as guides in the assembly process.
- Once the couplers are connected the system offers excellent earth continuity across the joints.
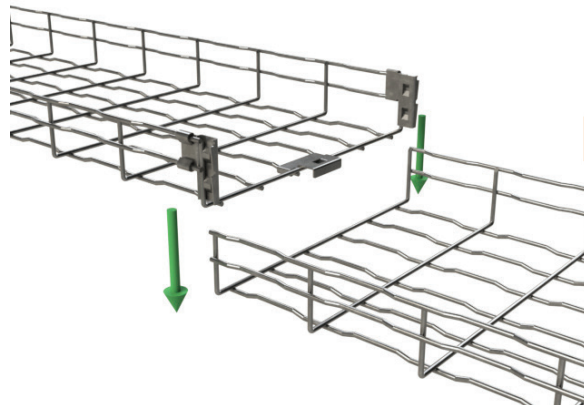
4 SECONDS

WIRE BASKET

Materials and suitable applications

Our standard wire basket is electro-zinc coated and is recommended for interior installations.

We can provide a quotation for hot dip galvanised or stainless steel finishes to suit exterior installations but these are subject to longer lead times. The below table identifies the finish suitable for the environment.

		EZ Electro-Zinc	HDG Hot-Dip Galvanised Steel	SST Stainless-Steel (316 grade)
Interior	Dry	Recommended	Overspecified	Overspecified
	Humid	Limited Resistance	Recommended	Overspecified
	Chemical industry	Not recommended	Limited Resistance	Overspecified
	Food industry	Not recommended	Not recommended	Overspecified
Exterior	Urban	Limited Resistance	Recommended	Overspecified
	Chemical industry	Not recommended	Limited Resistance	Overspecified
	Food industry	Not recommended	Limited Resistance	Recommended

Approvals

- UL Certification E358301 EN61537 – Cable Management
- IEC 61537:2006 Cable management – Cable tray systems and cable ladder systems.

Rippled design

The unique rippled design of the base of the basket allows for the easy threading of cable ties and increased load capacity with greater resistance to flexing.

HIGH-LOAD
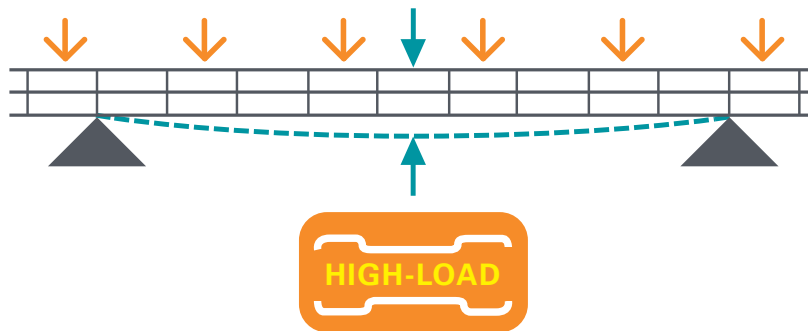
Innovative patented design which offers:

- Greater resistance to flexing
- Greater safe working load
- Excellent aesthetic finish

Useful area

Base Width	Standard Basket 35mm Height*		Fast Coupling 65mm Height		Fast Coupling 105mm Height	
	in²	cm²	in²	cm²	in²	cm²
60	–	–	3.57	23	–	–
100	4.18	27	7.29	47	–	–
150	6.51	42	11.63	75	–	–
200	8.99	58	15.81	102	28.83	186
300	13.80	89	24.34	157	45.11	291
400	–	–	32.86	212	61.38	396
500	–	–	41.39	267	77.66	501
600	–	–	49.91	322	93.93	606

*Please note our 35mm wire basket does not have integral couplers

WIRE BASKET

FAST-COUPLING WIRE BASKET

A fast-coupling system allowing sections of wire basket to be simply joined together for super-fast installation using the integral couplers.

- Two heights available; 65mm and 105mm
- Integral couplers for quick and easy connection in just two steps and only 4 seconds!
- The position of the couplers create a guide making a fast and easy assembly process
- No tools required
- Reduced installation time, saving labour costs
- Strong and lightweight
- Unique rippled wire design to enhance product strength and resist flexing
- Maximum cable ventilation and a high level of resistance to cable movement
- Safety edges to prevent cable damage and personal injury
- Optimal solution for installations that do not require big loads
- Simple manipulations to the wire basket can overcome complicated changes in direction
- Electro-Zinc finish
- Corrosion resistance, can be used in harsh environments
- Fire resistant to E90 DIN 4101 section 12

Standard finish
EZ
EZ: Electro-Zinc

Wire Basket is available in Electro-Zinc as standard.

Finish options: HDG (hot-dip galvanised steel) and SST (stainless steel) are available but these are subject to minimum quantity orders and longer lead times.

65mm Height

Fast-Coupling Wire Basket 65mm Height

code	description	dimensions (mm) width	height	length	pack	
MT2/7389	60 x 65mm	60	65	3000	2 x 3m	
MT2/7248	100 x 65mm	100	65	3000	2 x 3m	
MT2/7249	150 x 65mm	150	65	3000	2 x 3m	
MT2/7250	200 x 65mm	200	65	3000	2 x 3m	
MT2/7251	300 x 65mm	300	65	3000	2 x 3m	
MT2/7394	400 x 65mm	400	65	3000	2 x 3m	
MT2/7395	500 x 65mm	500	65	3000	2 x 3m	
MT2/7396	600 x 65mm	600	65	3000	2 x 3m	

105mm Height

Fast-Coupling Wire Basket 105mm Height

code	description	dimensions (mm) width	height	length	pack	
MT2/7397	200 x 105mm	200	105	3000	2 x 3m	
MT2/7398	300 x 105mm	300	105	3000	2 x 3m	
MT2/7399	400 x 105mm	400	105	3000	2 x 3m	

Covers
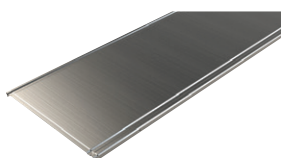
- Cover eliminates dirt and dust build-up on cable
- Provides physical protection for cables
- Galvanised steel finish
- To mount the cover no accessories are needed – fixed by pressure

Please note: This cover is for 35mm & 65mm basket only. For 105mm version please contact our Technical Team on +44 (0)1424 856688.

Wire Basket Cover

code	description	dimensions (mm) width	length	weight (kg) per metre	pack
MT2/1312	Cover 100mm	102	3000	0.55	2 x 3m
MT2/1313	Cover 150mm	152	3000	0.76	2 x 3m
MT2/1314	Cover 200mm	202	3000	0.98	2 x 3m
MT2/1316	Cover 300mm	302	3000	1.55	2 x 3m
MT2/1317	Cover 400mm	402	2000	2.19	2 x 2m
MT2/1318	Cover 500mm	502	2000	3.11	2 x 2m
MT2/1319	Cover 600mm	602	2000	3.95	2 x 2m

WIRE BASKET

STANDARD WIRE BASKET

An innovative wire basket solution to accommodate high cable loads.

- High cable capacity
- Maximum cable ventilation and a high level of resistance to cable movement
- Ripple design offers greater resistance to flexing
- Greater safe working load
- Excellent aesthetic finish
- Assemble using our range of Fast Fix Clip on couplers – no bolts required
- 35mm height
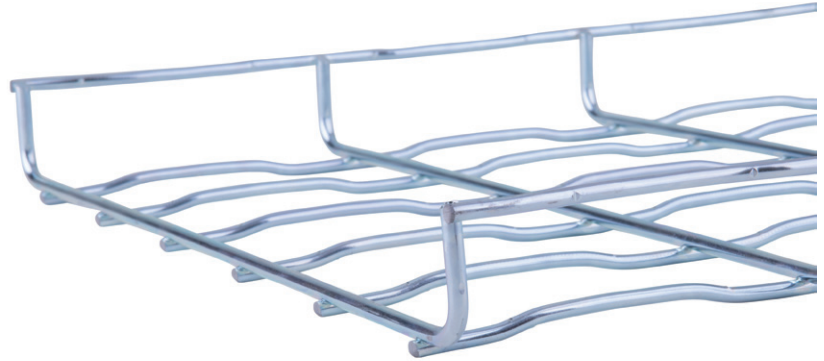
Standard finish
EZ
EZ: Electro-Zinc

Wire Basket is available in Electro-Zinc as standard.

Finish options: HDG (hot-dip galvanised steel) and SST (stainless steel) are available but these are subject to minimum quantity orders and longer lead times.

35mm Height
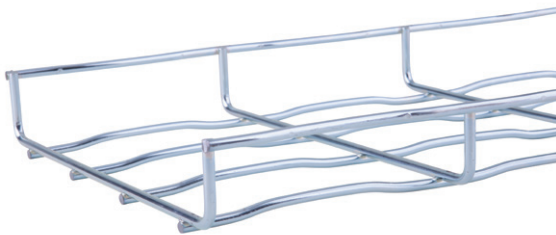
WIRE BASKET

Standard Wire Basket 35mm Height

code	description	dimensions (mm)			pack	
		width	height	length		
MT2/3616	100 x 35mm	100	35	3000	2 x 3m	
MT2/3617	150 x 35mm	150	35	3000	2 x 3m	
MT2/3618	200 x 35mm	200	35	3000	2 x 3m	
MT2/3619	300 x 35mm	300	35	3000	2 x 3m	

Fixing accessories

WIRE BASKET

Fast fix clip on coupler - 35mm

code	pack
MT2/7271	**10**

Fast fix clip on coupler - 65mm and 105mm

code	pack
MT2/6217	**10**
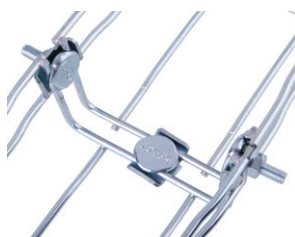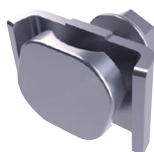
Basket connector bolt

code	pack
MT2/4364	**10**

Basket connector bracket

code	pack
MT2/4919	**10**
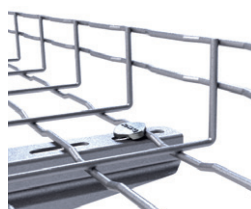
Nut and bolt

code	pack
MT2/4362	**10**
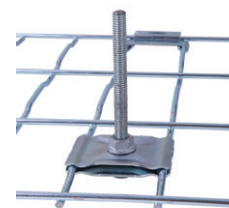
Ceiling support plate

code	pack
MT2/2064	**10**

Please note: these are sold in singles; two are needed for fittings as per the image. Nut and bolt are not supplied.

Wall bracket support plate

code	pack
MT2/0355	**10**

Conduit feed plate

code	pack
MT2/18798	**20**
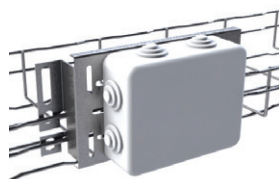
Universal box plate

code	description	pack
MT2/0358	Large universal box plate	4
MT2/0359	Small universal box plate	8
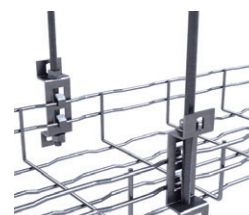
Side support clip 65mm and 105mm

code	pack
MT2/0360	**10**

Fixing accessories

WIRE BASKET
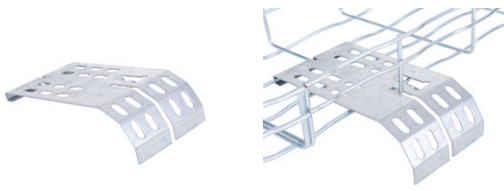
Cable drop out plate

code	pack
MT2/6451	1
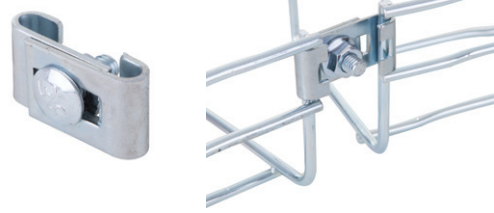
Bend connector bolt

code	pack
MT2/5059	1
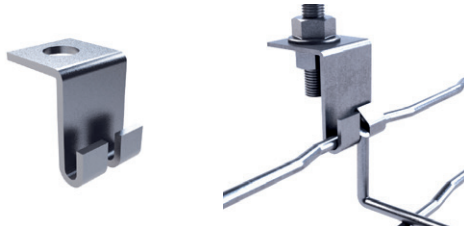
Side support clip

code	pack
MT2/5724	1

Accepts 10mm mounting stud
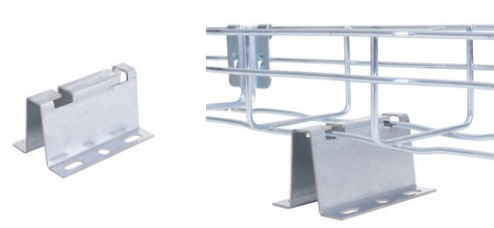
Floor bracket

code	pack
MT2/5590	1

Lighting attachment plate

code	pack
MT2/5906	1
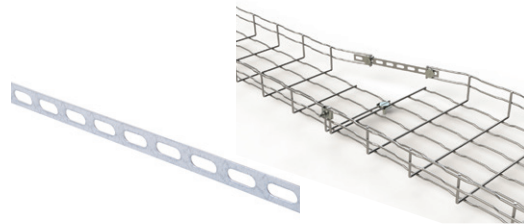
Multi-union joint

code	pack
MT2/0357	1

Cutting tool

code	pack
MT2/5066	1

Spray paint 98% zinc

code	pack
MT2/7224	1
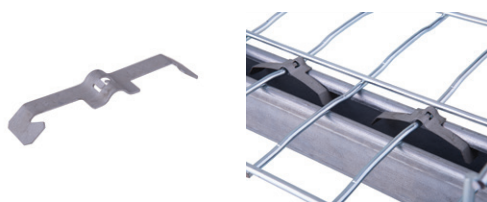
Clip to secure basket to strut

code	pack
MT2/10284	10

Variable support bracket

code	pack
MT2/6477	10

M8 threaded rod

code	pack
MT2/3397	10 x 1m
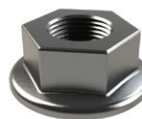
M8 nut

code	pack
MT2/0338	10

Earth bonding connector

code	pack
MT2/6797	10
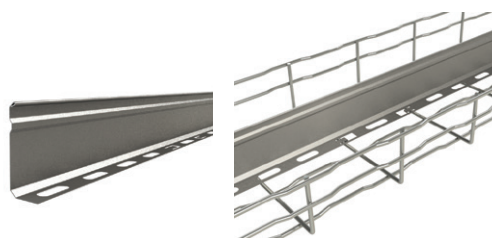
Self fixing dividing fillet

code	description	pack
MT2/3476	35mm	10 x 3m
MT2/2066	60mm	10 x 3m
MT2/3478	100mm	10 x 3m

Attaches to wire basket using self fixing clip

Bracket for 60x65 wire basket

code	pack
MT2/7304	1

Fast fix wall bracket

code	description	pack
MT2/7230	100mm	1
MT2/7231	150mm	1
MT2/7232	200mm	1
MT2/7233	300mm	1
MT2/7234	400mm	1

Wall bracket supporting piece

code	pack
MT2/6240	1

WIRE BASKET

Ceiling brackets

Suspension frames

Fast fix ceiling bracket

code	description	height	pack
MT2/7235	100mm	175mm	1
MT2/7236	150mm	175mm	1
MT2/7237	200mm	175mm	1
MT2/7238	300mm	175mm	1

Fast fix suspension frame base (rods sold separately)

code	description	pack
MT2/3630	100mm	1
MT2/1073	150mm	1
MT2/1074	200mm	1
MT2/1076	300mm	1
MT2/3629	400mm	1
MT2/1077	500mm	1
MT2/5941	600mm	1

Support strut leg

code	leg height	pack
MT2/5602	142mm	1

Stand off bracket

code	description	pack
MT2/1046	100mm	1
MT2/1047	150mm	1
MT2/1048	200mm	1
MT2/1049	300mm	1
MT2/3413	400mm	1
MT2/3414	500mm	1
MT2/3415	600mm	1

WIRE BASKET

CABLELAY MATTING FOR WIRE BASKET AND TRAY SYSTEMS

Cablelay is laid within lengths of wire basket or tray to protect cables from protrusions, sharp edges, rough surfaces and kinking ridges thus maintaining the integrity of the data cables which lay on top.

Damaged cabling considerably slows down system performance, causes loss of data and costs hours of additional work time. Our Cablelay products are designed to minimise the risk of damage often caused during installation and protects the cabling for the lifetime of the system.

- A lightweight and flexible 6mm thick mat supplied on rolls for quick and easy installation.
- Class 0 fire standard to meet Building Regulations for England and Wales
- Rolls are joined using Cablelay tape which maintains the Fire Standard and prevents joint movement
- Reduces moisture getting absorbed into the cables and impacting on data cable performance
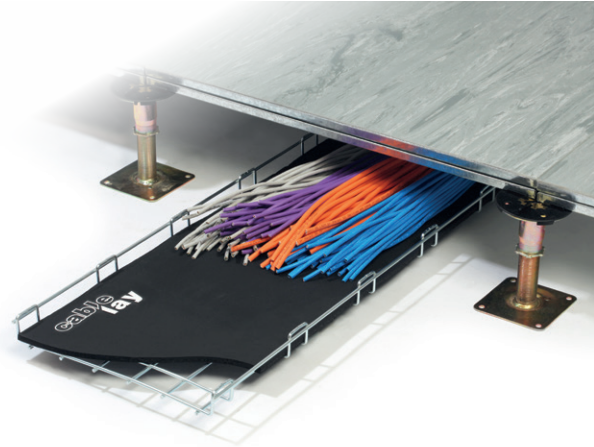
Cablelay Matting Meets Building Regulations

Quality assurance and health and safety issues are becoming increasingly more important, Class 0 Cablelay has an excellent fire safety performance complying with Building Regulations by passing both BS476 parts 6 and 7 for fire propagation and surface spread of flames.

Cablelay Matting Class 0

code	width	pack
WBM0660	60mm	1 x 30m
WBM06100	100mm	1 x 30m
WBM06150	150mm	1 x 30m
WBM06200	200mm	1 x 30m
WBM06300	300mm	1 x 30m
WBM06400	400mm	1 x 30m
WBM06500	500mm	1 x 30m
WBM06600	600mm	1 x 30m

Cablelay Tape

code	description	pack
WBMLT	LS0H	1 x 15m roll

METAL CABLE TRAY

Fast coupling metal cable tray for the routing and support of cables.

BE Basor
CABLE TRAY SPECIALIST

Marshall Tufflex
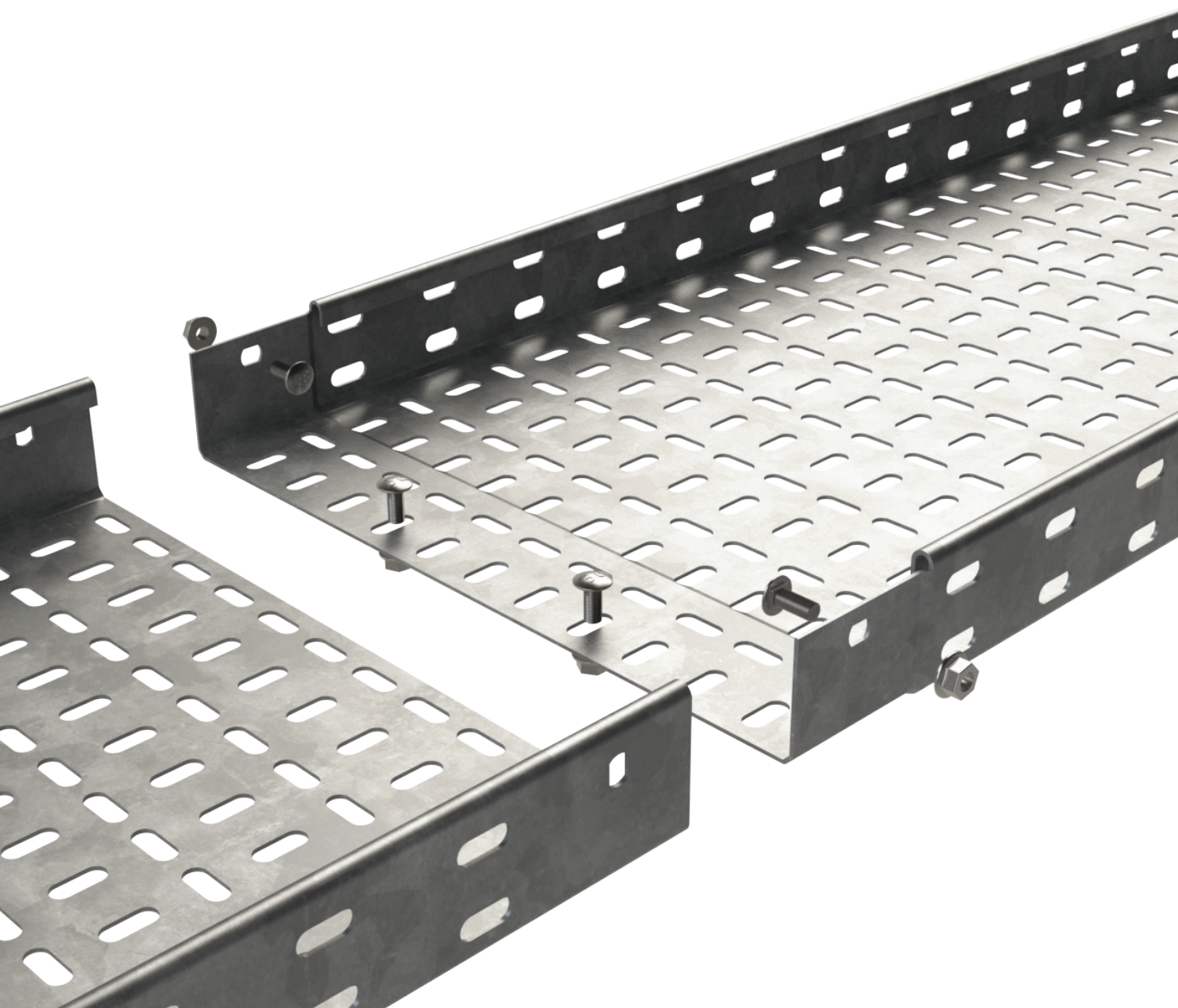
METAL CABLE TRAY SYSTEMS

The Basor range of fast coupling metal cable tray products for the simple routing and support of power and data cables. Strong and simple to install, metal cable tray is available in light, medium and heavy-duty profiles and features a pre-galvanised finish.

The sections of metal tray simply interconnect and bolt together for quick and easy installation, saving time and eliminating the need for separate couplers.

BEBasor
CABLE TRAY SPECIALIST
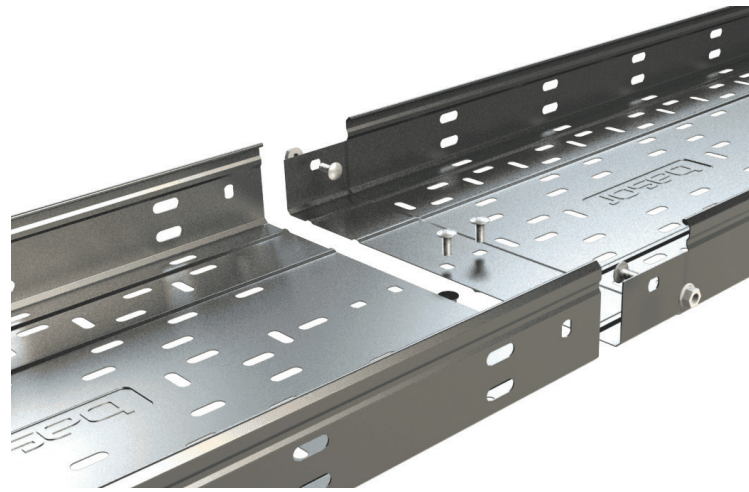
Applications

Metal cable tray is ideally suited for installation into many commercial and industrial environments, permitting the upgrade, expansion, re-configuration or relocation of power and data network as required.

- Industrial - Manufacturing, Data Centres, Warehouses and Distribution Centres.
- Commercial - Offices and Retail Outlets.
- Public Sector – Education and Healthcare in power and data areas or above suspended ceilings.

METAL CABLE TRAY

Material

Metal cable tray is Pre-Galvanised (GS) steel and is recommended for interior installations.

We can provide a quotation for hot dip galvanised (GC) or stainless steel (i316) finishes to suit exterior installations but these are subject to longer lead times.

Approvals

EN 61537 – Cable management. Cable tray systems and cable ladder systems

EN 50085 – Cable trunking systems and cable ducting systems for electrical installations

UK CA

IEC CERTIFIED

CERTIFIED SÉCURITÉ US·CA E358301

Product features

Installation is quick and easy when using the adjustable riser.

The adjustable riser can be simply formed to the exact height and angle required.

Tray connection is quick and simple

Sections of tray simply interconnect and bolt together eliminating the need for couplers
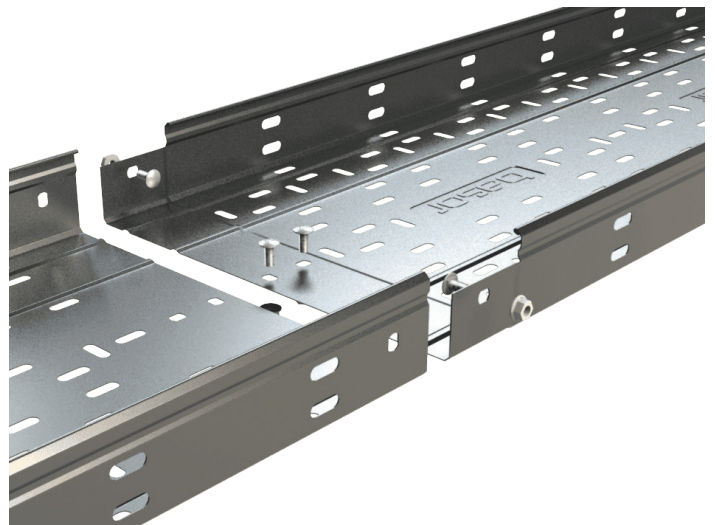
Useful area

Base Width	Light duty cable tray			Medium duty cable tray			Heavy duty cable tray		
	Height	Gauge	Filling Load	Height	Gauge	Filling Load	Height	Gauge	Filling Load
50mm	12mm	0.8mm	1.0kg/m	25mm	0.7mm	2.5kg/m	-	-	-
75mm	12mm	0.8mm	1.8kg/m	25mm	0.7mm	4.0kg/m	50mm	0.8mm	8.3kg/m
100mm	12mm	0.8mm	2.3kg/m	25mm	0.7mm	5.3kg/m	50mm	0.8mm	113kg/m
150mm	12mm	0.8mm	3.5kg/m	25mm	0.8mm	8.3kg/m	50mm	0.8mm	17.5kg/m
225mm	12mm	0.8mm	5.5kg/m	25mm	0.8mm	12.5kg/m	50mm	1.2mm	26.3kg/m
300mm	12mm	1.2mm	11.8kg/m	25mm	1.0mm	16.8kg/m	50mm	1.2mm	35.3kg/m
450mm	–	–	–	25mm	1.2mm	25.5kg/m	50mm	1.5mm	53.3kg/m
600mm	–	–	–	25mm	1.2mm	34.0kg/m	50mm	1.5mm	71.3kg/m

METAL CABLE TRAY

METAL CABLE TRAY

Basor metal cable tray is ideal for the support of power and data cables in commercial and industrial installations. Sections of metal tray are simply bolted together for quick and easy installation, saving time and eliminating the need for separate couplers.

- Light, medium and heavy duty
- Product widths of 50 to 600mm
- Fast-coupling
- Reduced installation time, saving labour costs
- Pre-galvanised finish
- No couplers required
- Full range of fittings
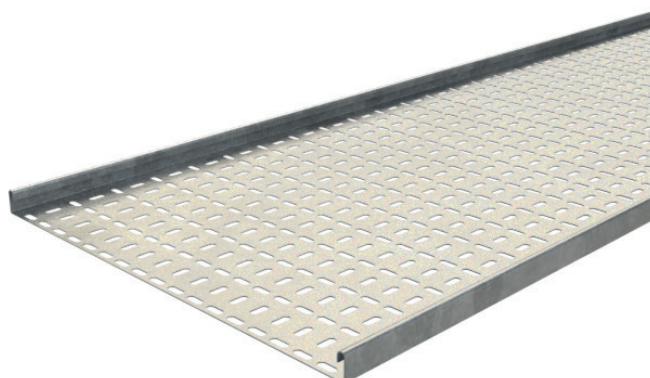
Standard finish
PG
PG: Pre-galvanised

Metal tray is available pre-galvanised as standard.

We can provide a quotation for hot dip galvanised (GC) or stainless steel (i316) finishes to suit exterior installations but these are subject to longer lead times.

Cable tray

Cable tray - light duty

code	width x height	pack
203658	50 x 12mm	1 x 3m
203659	75 x 12mm	1 x 3m
203660	100 x 12mm	1 x 3m
203661	150 x 12mm	1 x 3m
203662	225 x 12mm	1 x 3m
203663	300 x 12mm	1 x 3m
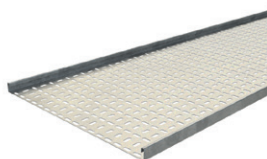
Cable tray - medium duty

code	width x height	pack
203708	50 x 25mm	1 x 3m
203709	75 x 25mm	1 x 3m
203710	100 x 25mm	1 x 3m
203711	150 x 25mm	1 x 3m
203712	225 x 25mm	1 x 3m
203713	300 x 25mm	1 x 3m
203714	450 x 25mm	1 x 3m
203715	600 x 25mm	1 x 3m

Cable tray - heavy duty

code	width x height	pack
203785	75 x 50mm	1 x 3m
203786	100 x 50mm	1 x 3m
203787	150 x 50mm	1 x 3m
203788	225 x 50mm	1 x 3m
203789	300 x 50mm	1 x 3m
203790	450 x 50mm	1 x 3m
203791	600 x 50mm	1 x 3m
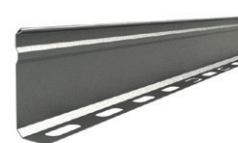
Divider profile 3m

code	pack
MT2/3476	10 x 3m

Light duty fittings

90 degree flat bend

code	width	pack
204321	50mm	1
203669	75mm	1
203670	100mm	1
203671	150mm	1
203672	225mm	1
203673	300mm	1

Equal tee

code	width	pack
203688	50mm	1
203689	75mm	1
203690	100mm	1
203691	150mm	1
203692	225mm	1
203693	300mm	1
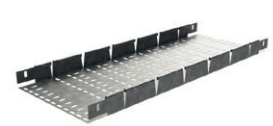
Adjustable riser

code	width	pack
204229	50mm	1
294230	75mm	1
204231	100mm	1
204232	150mm	1
204233	225mm	1
204234	300mm	1
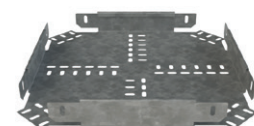
4-way equal cross

code	width	pack
203698	50mm	1
203699	75mm	1
203700	100mm	1
203701	150mm	1
203702	225mm	1
203703	300mm	1

Medium duty fittings

90 degree flat bend

code	width	pack
203745	50mm	1
203746	75mm	1
203747	100mm	1
203748	150mm	1
203749	225mm	1
203750	300mm	1
203751	450mm	1
203752	600mm	1

Equal tee

code	width	pack
203765	50mm	1
203766	75mm	1
203767	100mm	1
203768	150mm	1
203769	225mm	1
203770	300mm	1
203771	450mm	1
203772	600mm	1
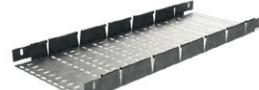
Adjustable riser

code	width	pack
204239	50mm	1
204240	75mm	1
204241	100mm	1
204242	150mm	1
204243	225mm	1
204244	300mm	1
204245	450mm	1
204246	600mm	1
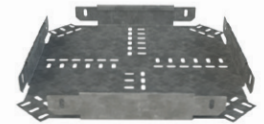
4-way equal cross

code	width	pack
203775	50mm	1
203776	75mm	1
203777	100mm	1
203778	150mm	1
203779	225mm	1
203780	300mm	1
203781	450mm	1
203782	600mm	1

Heavy duty fittings

90 degree flat bend

code	width	pack
203811	75mm	1
203812	100mm	1
203813	150mm	1
203814	225mm	1
203815	300mm	1
203816	450mm	1
203817	600mm	1
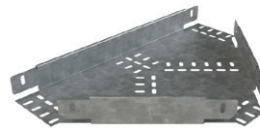
Equal tee

code	width	pack
203829	75mm	1
203830	100mm	1
203831	150mm	1
203832	225mm	1
203833	300mm	1
203834	450mm	1
203835	600mm	1
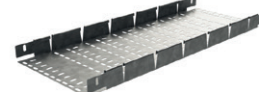
Adjustable riser

code	width	pack
204249	75mm	1
204250	100mm	1
204251	150mm	1
204252	225mm	1
204253	300mm	1
204254	450mm	1
204255	600mm	1
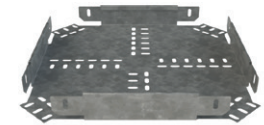
4-way equal cross

code	width	pack
203838	75mm	1
203839	100mm	1
203840	150mm	1
203841	225mm	1
203842	300mm	1
203843	450mm	1
203844	600mm	1

Fixing accessories
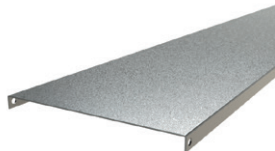
Tray cover

code	width	pack
220067	50mm	1 x 2m
215521	75mm	1 x 3m
215522	100mm	1 x 3m
215523	150mm	1 x 3m
215524	225mm	1 x 3m
215525	300mm	1 x 3m
215526	450mm	1 x 3m
215527	600mm	1 x 3m

Cover fixing clamp

code	height	pack
214474	12mm	100
214476	25mm	100

Fish plate

code	width	pack
214480	75mm	1
214481	100mm	1
214482	150mm	1
214483	225mm	1
214484	300mm	1
214485	450mm	1
214486	600mm	1

Inside splice 12/25/50mm

code	height	pack
203800	50mm	1

Outside splice

code	height	pack
203724	25mm	1
203801	50mm	1

GC nuts and bolts

code		pack
206826	Hot dip galvanised	100

For use with all fixing accessories, brackets and frames

METAL CABLE TRAY

Ceiling bracket (height 175mm)

code	description	pack
MT2/7235	100mm	1
MT2/7236	150mm	1
MT2/7237	200mm	1
MT2/7238	300mm	1

Wall bracket

code	description	pack
MT2/7230	100mm	1
MT2/7231	150mm	1
MT2/7232	200mm	1
MT2/7233	300mm	1
MT2/7234	400mm	1

Wall bracket supporting piece

code	pack
MT2/6240	1

Suspension frame base (rods sold separately)

code	description	pack
MT2/3630	100mm	1
MT2/1073	150mm	1
MT2/1074	200mm	1
MT2/1076	300mm	1
MT2/3629	400mm	1
MT2/1077	500mm	1
MT2/5941	600mm	1

Support strut leg

code	leg height	pack
MT2/5602	142mm	1

Stand off bracket

code	description	pack
MT2/1046	100mm	1
MT2/1047	150mm	1
MT2/1048	200mm	1
MT2/1049	300mm	1
MT2/3413	400mm	1
MT2/3414	500mm	1
MT2/3415	600mm	1

Variable support bracket

code	pack
MT2/6477	10

M8 threaded rod

code	pack
MT2/3397	10 x 1m

For use with suspension frame

M8 nut

code	pack
MT2/0338	10

Support strut legs with suspension frame.

PVC CABLE TRAY

Corrosion resistant PVC Cable Tray for the simple routing and support of power and data cables for different external environments.

BE Basor
CABLE TRAY SPECIALIST

Marshall Tufflex

PVC CABLE TRAY SYSTEMS

Basor PVC Cable Tray is a non-conductive, non-corrosive, lightweight and impact resistant cable management solution for the simple routing and support of power and data cables.

Lightweight and easy to install, PVC cable tray is available in five different sizes from 100 to 400mm wide.

BEBasor
CABLE TRAY SPECIALIST

Applications

PVC Cable Tray is ideally suited for installation into environments where Metal Cable Tray cannot be used due to the corrosive nature of the environment. Suited applications include:

Water treatment plants & commercial swimming pool complexes

• High humidity environments where a non-corrosive installation is recommended.

Mining industry

• Due to the high moisture environment in many mining operations, PVC cable tray provides a non-corrosive, non-oxidising and non-conductive solution in underground installations.

Chemical industry

• PVC products provide excellent resistance in chemical environments that can produce very aggressive atmospheres.

Solar/PV installations

• PVC Cable Tray products provide a lightweight and non-conductive solution for outdoor Solar/PV installations.

Shorefront installation areas (hotels, piers, ports & harbours)

• Shorefront installation areas can be subject to high salt spray contamination and corrosion due to onshore weather. PVC cable tray provides excellent protection against corrosion in these environments.

Material

Self-extinguishing and non-flame propagating PVC

Colour
RAL7035

UV
Resistant to UV radiation under UL568 certification.

Strength
Impact Strength 20J (Except 60 x 100mm & 60 x 150mm at 10J)

Temperature
Minimum temperature -20°C

Maximum temperature 60°C

Fire
M1 reaction to fire as per UNE 23727

Recycling
PVC tray is 100% recyclable

Approvals

EN 61537 – Cable management. Cable tray systems and cable ladder systems

EN 50085 – Cable trunking systems and cable ducting systems for electrical installations

"Fire, glow wire and flammability conformance to EN 60695, UNE 23727, UL94-VO and ANSI/UL94-1995

Product features

Pre-drilled fixing holes
All lengths, bends and risers are supplied with pre-drilled fixing holes for quick installation.

Straight and adjustable couplers
Adjustable couplers enable tray orientation to be changed to installation needs (up, down, left or right).

Load characteristics

Base Width	Maximum temperature 40ºC		Maximum temperature 60ºC	
	1m span	**1.5m span**	**1m span**	**1.5m span**
60 x 100mm	38kg/m	24kg/m	28kg/m	12kg/m
60 x 150mm	39kg/m	25kg/m	30kg/m	12kg/m
60 x 200mm	67kg/m	38kg/m	45kg/m	20kg/m
60 x 300mm	74kg/m	45kg/m	50kg/m	21kg/m
100 x 400mm	178kg/m	108kg/m	114kg/m	68kg/m

Tests according to IEC 61537 (limited deflection) Type II test, with 1,7 Safety factor

PVC CABLE TRAY

PVC CABLE TRAY

Basor PVC cable tray provides an effective support system for the routing of power and data cables. Lightweight for ease of installation and weather resistant, PVC cable tray is ideally suited to outdoor installations.

- Product widths from 100mm to 400mm
- Lightweight for ease of installation
- Non-conductive
- Non-corrosive
- Impact resistant
- RoHS Compliant
- Full range of fittings

Cable tray

Perforated tray - 3m

code	size	pack
210070	60 x 100mm	2
210071	60 x 150mm	2
210072	60 x 200mm	2
210073	60 x 300mm	2
210076	100 x 400mm	2

Cover - 3m

code	width	pack
210078	100mm	1
210079	150mm	1
210080	200mm	1
210081	300mm	1
210082	400mm	1

Dividing fillet - 3m

code	height	pack
210144	60mm	2
210145	100mm	2

Fittings

Straight coupler

code	height	pack
210084	60mm	10
210085	100mm	10
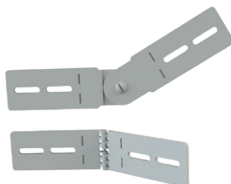
Adjustable coupler

code	height	pack
223613	60mm	1
223614	100mm	1
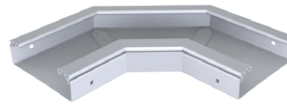
Flat bend

code	width	pack
210089	100mm	1
210090	150mm	1
210091	200mm	1
210092	300mm	1
210095	400mm	1

Flat bend cover

code	width	pack
210097	100mm	1
210098	150mm	1
210099	200mm	1
210100	300mm	1
210101	400mm	1

PVC CABLE TRAY

Fittings

Internal riser

code	width	pack
210103	100mm	1
210104	150mm	1
210105	200mm	1
210106	300mm	1
210109	400mm	1

Internal riser cover

code	width	pack
210111	100mm	1
210112	150mm	1
210113	200mm	1
210114	300mm	1
210117	400mm	1

External riser

code	width	pack
210119	100mm	1
210120	150mm	1
210121	200mm	1
210122	300mm	1
210125	400mm	1
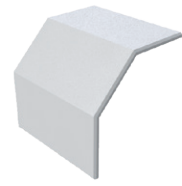
External riser cover

code	width	pack
210127	100mm	1
210128	150mm	1
210129	200mm	1
210130	300mm	1
210133	400mm	1

Corner joint piece

code	width	pack
223021	60mm	1
223022	100mm	1

Side bracket

code	width	pack
210011	100mm	1
210012	150mm	1
210013	200mm	1
210014	300mm	1
210015	400mm	1

C Bracket

code	width	pack
210050	100mm	1
210051	150mm	1
210052	200mm	1
210053	300mm	1
210054	400mm	1

Fixing accessories

PVC nut and bolt

code	pack
210017	100

Metal nut and bolt

code	pack
207228	100

To fix brackets to strut

Wall fixing strut

code	length	pack
217281	2m	1

Variable support bracket

code	pack
207403	1

Variable support strut

code	length	pack
207404	600mm	1

Side bracket shown with
variable support strut and
variable support bracket

PVC CABLE TRAY

REASSURINGLY RECYCLED

OUR WHITE MAXI LENGTHS ARE MANUFACTURED USING 100% RECYCLED MATERIAL.

100%
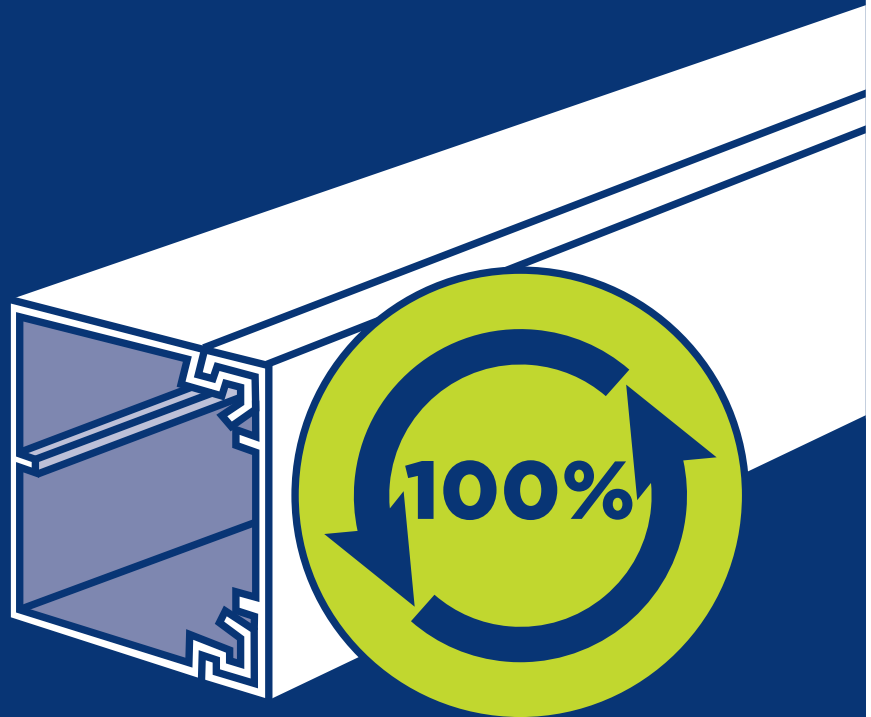
TRUNKING CAPACITIES
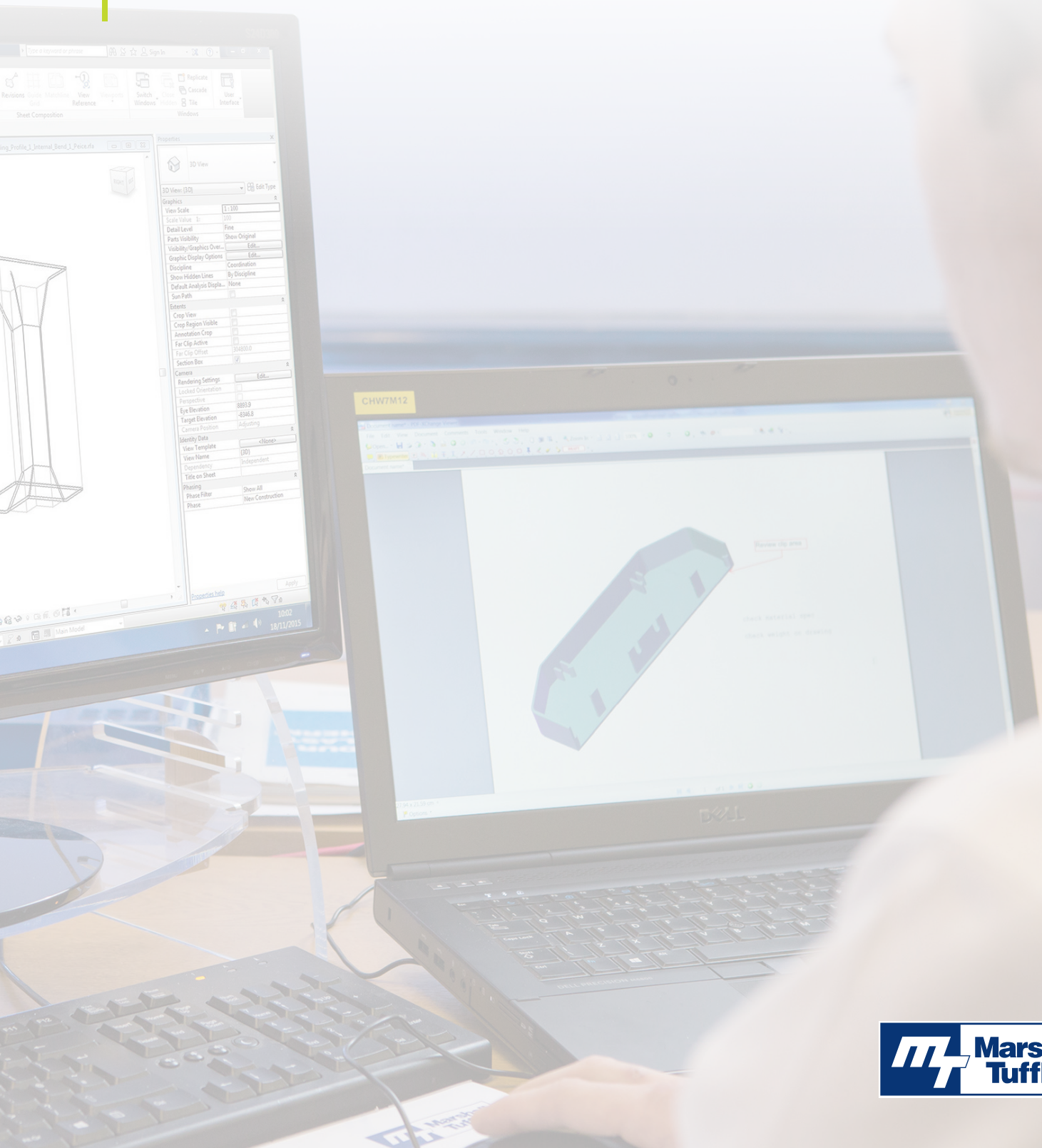
PVC-U perimeter trunking capacity guide

Trunking height up to 150mm
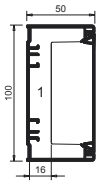
MONO 10 – no box
1 = 4141mm² total area
1 = 1863mm² 45% space factor
With box in comp 1
1 = 1874mm² total area
1 = 843mm² 45% space factor
Internal dimensions
Compartment 1 = 96 x 46mm

STERLING COMPACT – no box
1 & 3 = 966mm² total area
1 & 3 = 434mm² 45% space factor
2 = 3910mm² total area
2 = 1759mm² 45% space factor
With box in comp 2
2 = 1690mm² total area|
2 = 760mm² 45% total area
Internal dimensions
Compartment 1 = 21 x 46mm
Compartment 2 = 85 x 46mm
Compartment 3 = 21 x 46mm

Trunking heights 167-180mm

STERLING CURVE PROFILE 1/2 – no box
1 = 1170mm² total area
1 = 527mm² 45% space factor
2 = 3858mm² total area
2 = 1736mm² 45% space factor
3 = 1542mm² total area
3 = 694mm² 45% space factor
With box in comp 2
2 = 1376mm² total area
2 = 619mm² 45% space factor
Internal dimensions
Compartment 1 = 39 x 45mm
Compartment 2 = 86 x 46mm
Compartment 3 = 39 x 45mm
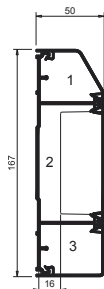
CHALLENGER SYSTEM 1/2 – no box
1 = 1266mm² total area
1 = 570mm² 45% space factor
2 = 3858mm² total area
2 = 1736mm² 45% space factor
3 = 1542mm² total area
3 = 694mm² 45% space factor
With box in comp 2
2 = 1376mm² total area
2 = 619mm² 45% space factor
Internal dimensions
Compartment 1 = 39 x 45mm
Compartment 2 = 86 x 46mm
Compartment 3 = 39 x 45mm

ODYSSEY – no box
1 & 3 = 1256mm² total area
1 & 3 = 565mm² 45% space factor
2 = 4022mm² 45% total area
2 = 1810mm² 45% space factor
With box in comp 2
2 = 1230mm² total area
2 = 554mm² 45% space factor
Internal dimensions
Compartment 1 = 36 x 46mm
Compartment 2 = 81 x 48mm
Compartment 3 = 36 x 46mm

Trunking height over 200mm

TWIN PLUS – no box
1 & 2 = 4755mm² total area
1 & 2 = 2140mm² 45% space factor
With box in comps 1 or 2
1 & 2 = 2431mm² total area
1 & 2 = 1094mm² 45% space factor
Internal dimensions
Compartment 1 = 95 x 52mm
Compartment 2 = 95 x 52mm

XL201 / XL202 – no box
1 = 2824mm² total area
1 = 1271mm² 45% space factor
2 = 4771mm² total area
2 = 2147mm² 45% space factor
3 = 3531mm² total area
3 = 1589mm² 45% space factor
With box in comp 2
2 = 2504mm² total area
2 = 1127mm² 45% space factor
Internal dimensions
Compartment 1 = 64 x 62mm
Compartment 2 = 84 x 62mm
Compartment 3 = 64 x 62mm

Conductor type	Size	Cable factor
Stranded PVC power	1.5mm²	8.6
Stranded PVC power	2.5mm²	12.6
Stranded PVC power	4.0mm²	16.6

Other Profile dimensions

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

TRUNKING CAPACITIES

Maxi trunking capacity guide
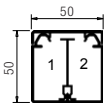
Maxi 50 x 50mm
Total = 1979mm^2 total area
Total = 890mm^2 45% space factor
1 & 2 = 911mm^2 total area
1 & 2 = 410mm^2 45% space factor
Internal dimensions
Compartment 1 = 46 x 46mm
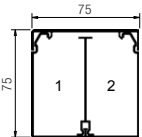
Maxi 75 x 75mm
Total = 4709mm^2 total area
Total = 2119mm^2 45% space factor
1 & 2 = 2196mm^2 total area
1 & 2 = 988mm^2 45% space factor
Internal dimensions
Compartment 1 = 71 x 71mm
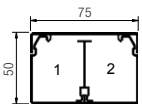
Maxi 75 x 50mm
Total = 3032mm^2 total area
Total = 1365mm^2 45% space factor
1 & 2 = 1347mm^2 total area
1 & 2 = 606mm^2 45% space factor
Internal dimensions
Compartment 1 = 71 x 46mm
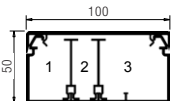
Maxi 100 x 50mm
Total = 4040mm^2 total area
Total = 1818mm^2 45% space factor
1 = 1056mm^2 total area
1 = 475mm^2 45% space factor
2 = 660mm^2 total area
2 = 297mm^2 45% space factor
3 = 1829mm^2 total area
3 = 823mm^2 45% space factor
Internal dimensions
Compartment 1 = 94 x 46mm
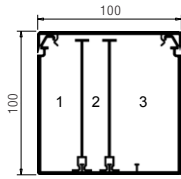
Maxi 100 x 100mm
Total = 8733mm^2 total area
Total = 3930mm^2 45% space factor
1 = 2375mm^2 total area
1 = 1069mm^2 45% space factor
2 = 1464mm^2 total area
2 = 659mm^2 45% space
3 = 4075mm^2 total area
3 = 1834mm^2 45% space factor
Internal dimensions
Compartment 1 = 94 x 94mm
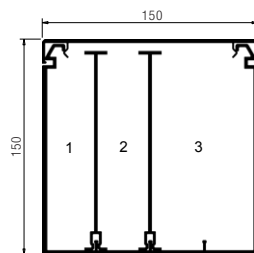
Maxi 150 x 150mm
Total = 20193mm^2 total area
Internal dimensions
Compartment 1 = 94 x 46mm
Total = 9087mm^2 45% space factor
1 = 4406mm^2 total area
1 = 1983mm^2 45% space factor
2 = 4728mm^2 total area
2 = 2128mm^2 45% space factor
3 = 9482mm^2 total area
3 = 4267mm^2 45% space factor
Internal dimensions
Compartment 1 = 143 x 144mm

Cornice trunking
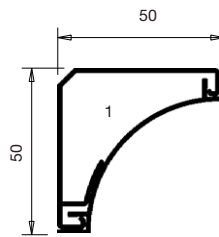
1 = 873mm^2 total area
1 = 393mm^2 45% space factor

Sovereign Plus trunking
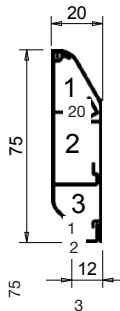
Sovereign Plus skirting
1 = 238mm^2 total area
1 = 107mm^2 45% space factor
2 = 416mm^2 total area
2 = 187mm^2 45% space factor
3 = 261mm^2 total area
3 = 117mm^2 45% space factor
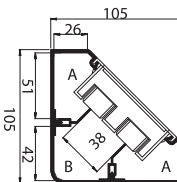
Bench trunking

Dimensions

Bench trunking – with box
1 = 1285mm^2 total area
1 = 578mm^2 45% space factor
2 = 2128mm^2 total area
2 = 957mm^2 45% space factor
3 = 1285mm^2 total area
3 = 578mm^2 45% space factor

Bench trunking – no box
1 = 1782mm^2 total area
1 = 802mm^2 45% space factor
2 = 3282mm^2 total area
2 = 1477mm^2 45% space factor
3 = 1782mm^2 total area
3 = 802mm^2 45% space factor

Conductor type	Size	Cable factor
Stranded PVC power	1.5mm^2	8.6
Stranded PVC power	2.5mm^2	12.6
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 and MTRS100/50, reduce the area by 2600mm^2.

Aluminium trunking capacity guide

Trunking height up to 167mm
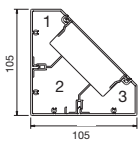
Bench trunking – no box
1 & 3 = 1842mm² total area
1 & 3 = 829mm² 45% space factor
2 = 3342mm² total area
2 = 1504mm² 45% space factor

With box in comp 2
2 = 2188mm² total area
2 = 984m**m²** 45% space factor

Internal dimensions
Compartment 1 = 101 x 101mm
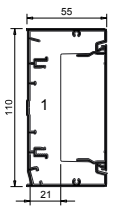
Elegance 110 aluminium – no box
1 = 5254mm² total area
1 = 2364mm² 45% space factor

With box in comp 1
1 = 2987mm² total area
1 = 1344mm² 45% space factor

Internal dimensions
Compartment 1 = 107 x 52mm
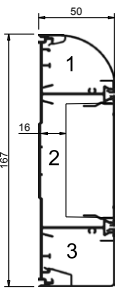
Sterling Curve Aluminium Profile 1/2 – no box
1 = 993mm² total area
1 = 447mm² 45% space factor
2 = 3275mm² total area
2 = 1474mm² 45% space factor
3 = 1035mm² total area
3 = 466mm² 45% space factor

With box in comp 2
2 = 959mm² total area
2 = 432mm² 45% total area

Internal dimensions
Compartment 1 = 32 x 39mm
Compartment 2 = 71 x 46mm
Compartment 3 = 29 x 39mm

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.

Conductor type	Size	Cable factor
Stranded PVC power	1.5mm²	8.6
Stranded PVC power	2.5mm²	12.6
Stranded PVC power	4.0mm²	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

Trunking height over 200mm

Twin Plus – no box
1 & 2 = 5000mm² total area
1 & 2 = 2250mm² 45% space factor

With box in comps 1 or 2
1 & 2 = 2733mm² total area
1 & 2 = 1230mm² 45% space factor

Internal dimensions
Compartment 1 = 95 x 52mm
Compartment 2 = 95 x 52mm
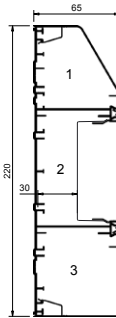
XL301 / XL302 – no box
1 = 2680mm² total area
1 = 1206mm² 45% space factor
2 = 4639mm² total area
2 = 2088mm² 45% space factor
3 = 3490mm² total area
3 = 1570mm² 45% space factor

With box in comp 2
2 = 1123mm² total area
2 = 505mm² 45% space factor

Internal dimensions
Compartment 1 = 64 x 62mm
Compartment 2 = 84 x 62mm
Compartment 3 = 64 x 61mm

Calculations

Please note that all the above calculations are based on a box depth of 30mm

Steel trunking Series 130 and Series 170
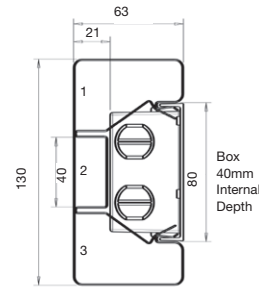
System 130 trunking 130 x 63mm
Compartments 1 & 3 = 1585mm² (each) total area
Compartments 1 & 3 = 713mm² (each) 45% space factor
Compartment 2 = 760mm² total area (with box)
Compartment 2 = 342mm² 45% space factor (with box)

Internal dimensions
Compartment 1 = 128 x 61mm
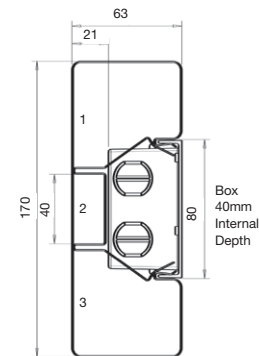
System 170 trunking 170 x 63mm
Compartments 1 & 3 = 2812mm² (each) total area
Compartments 1 & 3 = 1265mm² (each) 45% space factor
Compartment 2 = 760mm² total area (with box)
Compartment 2 = 342mm² 45% space factor (with box)

Internal dimensions
Compartment 1 = 168 x 61mm

TRUNKING CAPACITIES

PRODUCT INDEX AND GENERAL INFORMATION

Marshall Tufflex

PVC-U material data

Marshall-Tufflex cable management products are manufactured in Extra Super High Impact PVC-U grade material, capable of withstanding the most hazardous conditions on site and which exceeds the most stringent requirements of the British Standards.

REASSURINGLY RECYCLED

Our PVC-U products are manufactured from an average of 74% recycled plastic, with some extruded products produced from 100% recycled material.

Characteristics

Specific gravity		1.42
Co Efficient of Linear Expansion		7×10^{-5}/m/°C
Water Absorption		Negligible
Electric Strength		To the requirements of BS EN 50085
Fire Performance	BS 476 PT6 & PT7 BS EN 50085 UL94 BS EN 61386-1 BS 4607	CLASS 1 PASS V-0 @1.6mm PASS PASS
Oxygen Index		42%
Tensile Strength		492/562 kg/cm²
Insulation Resistance		To the requirements of BS 4607, BS EN 50085, BS EN 61386-1
Chemical Resistance		See below
Vicat Softening Point (conduit & trunking)		80°c BS EN ISO 306
Vicat Softening Point (moulded fittings)		76°c BS EN ISO 306

Chemical resistance

The material is virtually unaffected by solutions of inorganic acids, alkalis and salts and is resistant to many organic chemicals. It may be softened by some organic materials such as ketones and aromatic compounds. It will not corrode. For further details on chemical resistance to a wide range of chemicals please visit www.marshall-tufflex.com

Fire resistance

The material used in Marshall-Tufflex conduit and trunking are self-extinguishing and comply with the requirements of BS 476 Parts 6 and 7 and BS 4678. Non-flame propagating to BS EN 50085 and BS EN 61386-1.

(See Characteristics table above)

Thermal properties

Marshall-Tufflex conduit and trunking is designed to accommodate variations of ambient temperature equating to 5.25mm/3m for a temperature rise of 25°C.

Operating temperatures: -5°C to +60°C.

Thermal conductivity: 0.19 w/m/°C.

Conduit Impact resistance

High impact resistance. The material is formulated to comply with the -5°C Heavy Gauge Requirements of BS EN 61386-1.

Standards

Trunking systems are manufactured to comply with the requirements of BS EN 50085-1:2005+A1:2013, where applicable. Conduit systems comply with the requirements of BS 4607-5:1982+A3:2010, BS EN 61386-1:2008 and BS 4607-1:1984+A2:2010.

Polycarbonate material data

Chemical resistance

Polycarbonate is resistant to most mineral and organic acids, a number of fats and oils, saturated aliphatic and aromatic hydrocarbons and alcohols, with the exception of methyl alcohol. It is not resistant to alkalis, ammonia gas and its solution or to amines.

Characteristics

Vicat softening point – ISO 306	VST/B 145°C	
Flammability to UL94 @ 1.5mm	94V-2	
Flammability – oxygen index	35%	
Density	1.2g/cm³	
Water absorption (in water)	0.35%	

ABS high impact FR material data

Fire Retardant (FR) ABS has a good chemical resistance to inorganic salt solutions, alkalis, mineral acids (except strong oxidising acids) and some mineral, vegetable and animal based oils. It is attacked by organic solvents such as alcohols, esters, ketones and ethers.

Characteristics

Vicat softening point	ISO 306	96°C
Density	1.18g/cm³	
Material		UL listed
Fire performance	BS 4678 BS EN 50085 UL94	PASS PASS V-O @ 1.6mm
Water absorption (in water)	DIN53495/L	0.3%

Aluminium material data

Grade HE9TF: Screen Insert.

Grade 6063 T5: Bench Trunking Aluminium, XL Aluminium, Twin Plus Aluminium.

Tensile strength: 190n/mm²
Co Efficient of linear expansion: 24 x 10-6/m/°C.

Thermal conductivity: 120w/m/°C.

Health and Safety at work

**Health and Safety at work etc.
Act 1974**

1. 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.

2. 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.

3. 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.

4. 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.

5. 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.

General information

Low Voltage Directive

Marshall-Tufflex products that come within the scope of the Low Voltage Directive (LVD) will be UKCA 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 Marshall-Tufflex Limited Conditions of Sale (as amended from time to time), Copies of these Conditions of Sale are available on request.

Continuous improvement

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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Range recycling figures

System	Percentage
White conduit lengths	100%
White mini and maxi trunking lengths	100%
Mono 10 trunking assembly (EPM10WH)	77%
Sterling Compact trunking assembly (EPM20WH)	58%
Sterling Curve Profile 1 trunking assembly(CEP1MWH)	66%
Sterling Curve Profile 2 trunking assembly (CEP2MWH)	60%
Odyssey trunking assembly(DD1WH)	62%
Twin Plus trunking base (EMT60WH)	55%
Cornice trunking (MCT1WH)	100%
Sovereign Plus skirting trunking (JE03WH)	100%
Bench trunking assembly (MBT105WH)	50%
Bendex white conduit lengths	98%
Bendex white mini and maxi trunking lengths	100%
Bendex Challenger System 1 trunking assembly (XT1CWH)	62%
Bendex Challenger System 2 trunking assembly (XT2CWH)	57%

WE ARE DRIVING...

For all PVC-U products installed in buildings to be manufactured using 50% recycled material by 2028.

USE 50%

REASSURINGLY RECYCLED

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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

Dimensions	Range	Page
100 x 50mm	Mono 10	20
140 x 50mm	Sterling Compact	21
167 x 50mm	Sterling Curve Profile 1	23
167 x 50mm	Sterling Curve Profile 2	23
180 x 57mm	Odyssey	26
210 x 57mm	Twin Plus	29
220 x 65mm	XL Trunking 201	31
220 x 65mm	XL Trunking 202	31

Specialised trunking systems – by size

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75 x 20mm	Sovereign Plus	34
105 x 105mm	Bench Trunking	35

Bendex PVC-U perimeter trunking systems – by size

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Bendex Mini and Maxi trunking systems – by size

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25 x 16mm	MT25 Mini Trunking	62
28 x 28mm	CT10 Maxi Trunking	64
38 x 16mm	MT38 Mini Trunking	62
38 x 25mm	MT40 Mini Trunking	62
38 x 38mm	MT40S Mini Trunking	62
50 x 50mm	CT30 Maxi Trunking	64
75 x 50mm	CT40 Maxi Trunking	64
75 x 75mm	CT50 Maxi Trunking	64
100 x 100mm	CT60 Maxi Trunking	64
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Mini and Maxi Trunking systems – by size

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100 x 50mm	MTRS100/50 Maxi Trunking	42
100 x 100mm	MTRS100 Maxi Trunking	42
150 x 150mm	MTRS150 Maxi Trunking	42

Aluminium perimeter trunking systems – by size

Dimensions	Range	Page
105 x 105mm	Bench Trunking	74
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167 x 50mm	Sterling Curve Profile 1	76
167 x 50mm	Sterling Curve Profile 2	76
210 x 57mm	Twin Plus	78
220 x 65mm	XL Trunking 301	79
220 x 65mm	XL Trunking 302	79

Steel perimeter trunking systems – by size

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130 x 63mm	System 130	86
170 x 63mm	System 170	87

INTERNATIONAL DISTRIBUTORS

We distribute our cable management products to over 55 countries worldwide via a network of channel partners and distributors including the Caribbean islands and Africa. We welcome the opportunity to discuss any projects or requirements you may have anywhere in the world. Our network of distributors and agents is vast and below are the details of our main distributors.

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Please visit www.marshall-tufflex.com/international for details of other distributors across the world. If there is not a distributor listed in your region please contact us at international@marshall-tufflex.com – we would welcome your interest and are always open to building new relationships.

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