

Marshall-Tufflex

MT32 Power Connection

Innovative Power Distribution Solutions

MT32
CONNECTING POWER



www.mt32.co.uk



MT32 is a revolutionary new 32 amp power connection system, designed to allow fast-track installation of complete cabling runs from power source to the final accessory, outlet or application.

Providing faster completion times and lower project costs, the sheer flexibility of MT32 with its compact in-line connector and pre-wired, pre-tested components allows you to negotiate difficult installation challenges and meet tight deadlines.

Though many of MT32's core components are of a standard design, the Main Distribution Board Home Runs and Lighting Systems are tailor-made to suit your project specification.

Whatever the scale, nature or complexity of your requirement, MT32 offers you a truly practical modular wiring system that will change your approach to power installations.

MT32

The future for electrical installation

In a fast-moving market, there is constant demand on specifiers and installers to design and provide the required solution with less time on site and lower costs of total installation.

Using MT32, simple plug and play connections can be used for power installations such as:

- ◆ Main Distribution Board Home Runs
- ◆ Underfloor Distribution Systems
- ◆ Lighting Systems
- ◆ Dry Lining Applications
- ◆ Perimeter Systems
- ◆ Surface Mount Applications



click together without tools pre-wired pre-tested safe and simple installations re-use or re-configure save time save cost

Click together without tools

The 3 or 4 pole, male and female connectors simply click together. No tools are required to connect cables.

(Please note: In line with BS61535:2006 a tool is required for disconnection)



Time saving

No more on site cable preparation is needed and only final circuit testing is required to complete a quick and easy installation.

Pre-wired, pre-tested

Safe and problem-free connections can be made with MT32's pre-wired, pre-tested components from our carefully controlled manufacturing facility.

Meet deadlines

The sheer speed at which this system can be installed, in conjunction with its simple and problem-free application, makes deadlines more achievable and offers significant time-savings to contractors.

Safe and simple

Connectors are keyed and cannot be incorrectly installed so guaranteeing a consistent connection and polarity.

Adapt other systems

Virtually any existing wiring system can be adapted to interact with MT32.

Re-use or re-configure

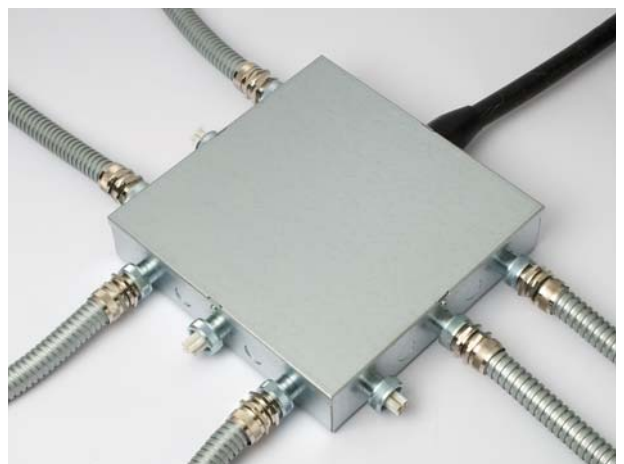
MT32 is re-usable and is ideally suited to environments where layouts may need to be re-configured in the future or for temporary applications.

Patented connector

Take advantage of the latest technology with MT32's unique, patented, compact connector that has been developed in association with Tyco Electronics.

Save time, save cost!

Using MT32 allows you to complete an electrical installation up to 80% faster in comparison with traditional installation methods. Overall contract savings can be up to 50%.



Working with MT32 Power Connection!

Developers & Main Contractors

- ◆ Work to set time scales and budgets by reducing project time and cost.
- ◆ Easy to re-use and re-configure plug and play options.
- ◆ Systems are all pre-wired and pre-tested in our quality controlled manufacturing facility.
- ◆ Minimise installation time and reduce packaging waste with products supplied to site in 'kit' form.
- ◆ Installation time savings convert directly into bottom line benefits for the contractor and developer.
- ◆ Virtually any existing wiring systems can be adapted to interact with MT32.

End User & Client

- ◆ Safe and easy upgrading or reconfiguration for future changes or temporary applications.
- ◆ Additions and extensions can be easily accommodated.
- ◆ Reconfiguration of layouts can be easily achieved using standard range of products.
- ◆ Far less risk of damage to an installation with pre-wired, pre-tested products.
- ◆ Provides high quality, reliable and safe product installations as standard.
- ◆ Virtually any existing wiring systems can be adapted to interact with MT32.

Electrical Engineers & Contractors

- ◆ Eliminate on site installation problems with keyed connectors.
- ◆ Consistent connection and polarity guaranteed.
- ◆ Cut project time and costs with greatly reduced installation times.
- ◆ Trials have shown major cost saving potential compared to traditional installation methods.
- ◆ Marshall-Tufflex offers engineers full support in the preparation of designs for a project.
- ◆ Installers can complete projects quickly and move on to the next phase or project.
- ◆ Virtually any existing wiring systems can be adapted to interact with MT32.





Working with Marshall-Tufflex!

- ◆ Established in 1942, Marshall-Tufflex continues to be one of the UK's leading brands for electrical installation equipment.
- ◆ Quality, reliability and safety are assured with Marshall-Tufflex recognised to BS EN ISO 9001:2000.
- ◆ Commitment to recycling and sustainability confirmed with Marshall-Tufflex achieving ISO 14001:2007 Environmental Management Systems standard.

Offsite & Modular Constructors

- ◆ Systems are pre-wired and pre-tested in our quality controlled manufacturing facility.
- ◆ Making use of new technology, Marshall-Tufflex has developed MT32's unique, patented 32amp connector in association with Tyco Electronics.
- ◆ Project management from Marshall-Tufflex provided at all levels of the installation.
- ◆ Installers can more than double their output using the MT32 pre-wired, pre-tested system.
- ◆ Clear installation instructions supplied where necessary.
- ◆ Virtually any existing wiring systems can be adapted to interact with MT32.

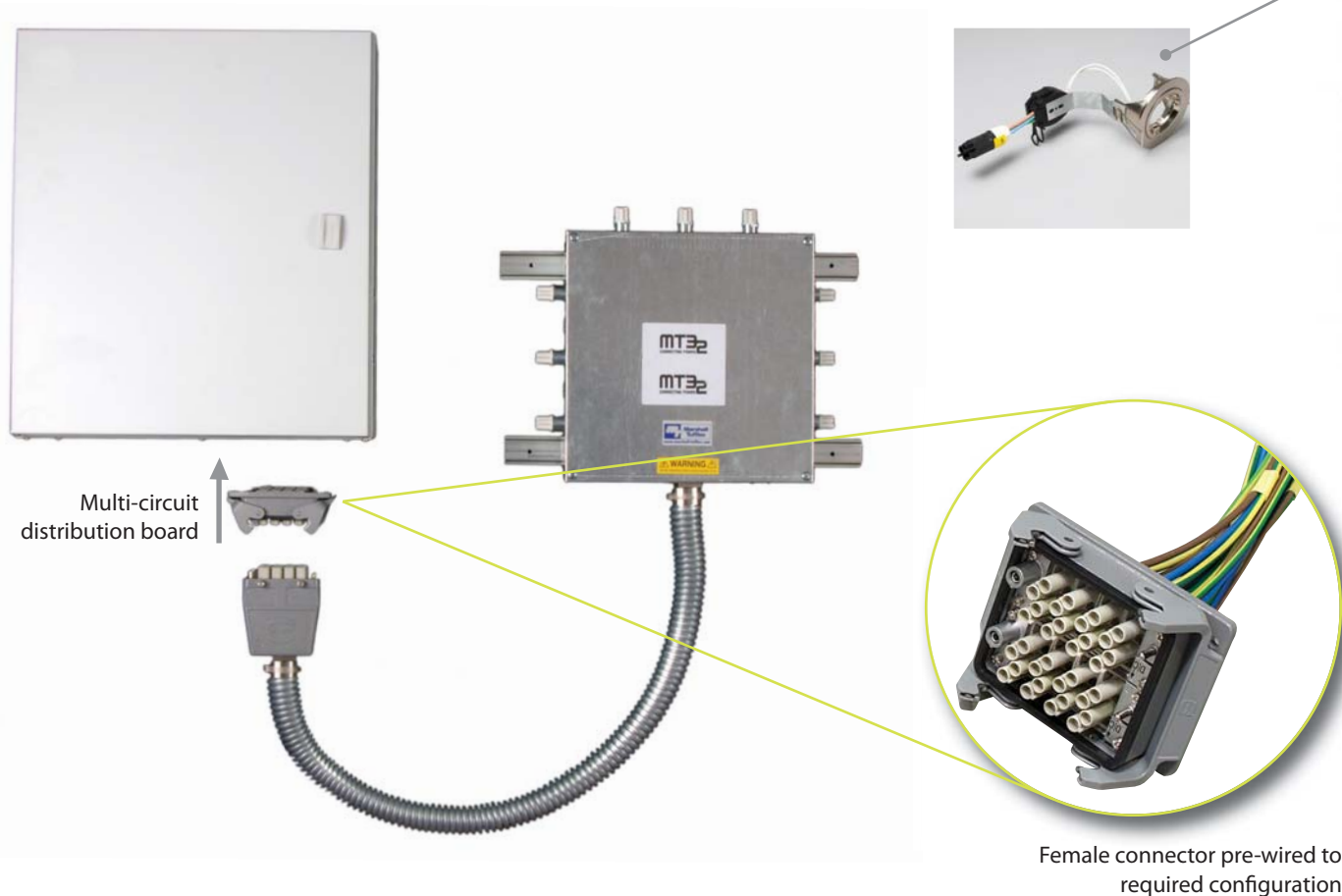
Home Runs from the Main Distribution Board

Home Runs from the Main Distribution Board to the Master Distribution Unit are built to your design specification in our manufacturing facility and supplied, fully tested, ready for installation and connection to the Main Distribution Board.

- ◆ Connection via multi-pin connectors is rapid and problem-free, greatly reducing preparation and installation time spent on site.
- ◆ Home Runs can contain up to 32 cable cores to feed power distribution and lighting systems.
- ◆ Conductor sizes range from 1.5mm² to 10.0mm² depending upon the solution required. Different cable sizes can be incorporated within the same Home Run.
- ◆ Our Technical Team are available to assist with integrating these units into your design.

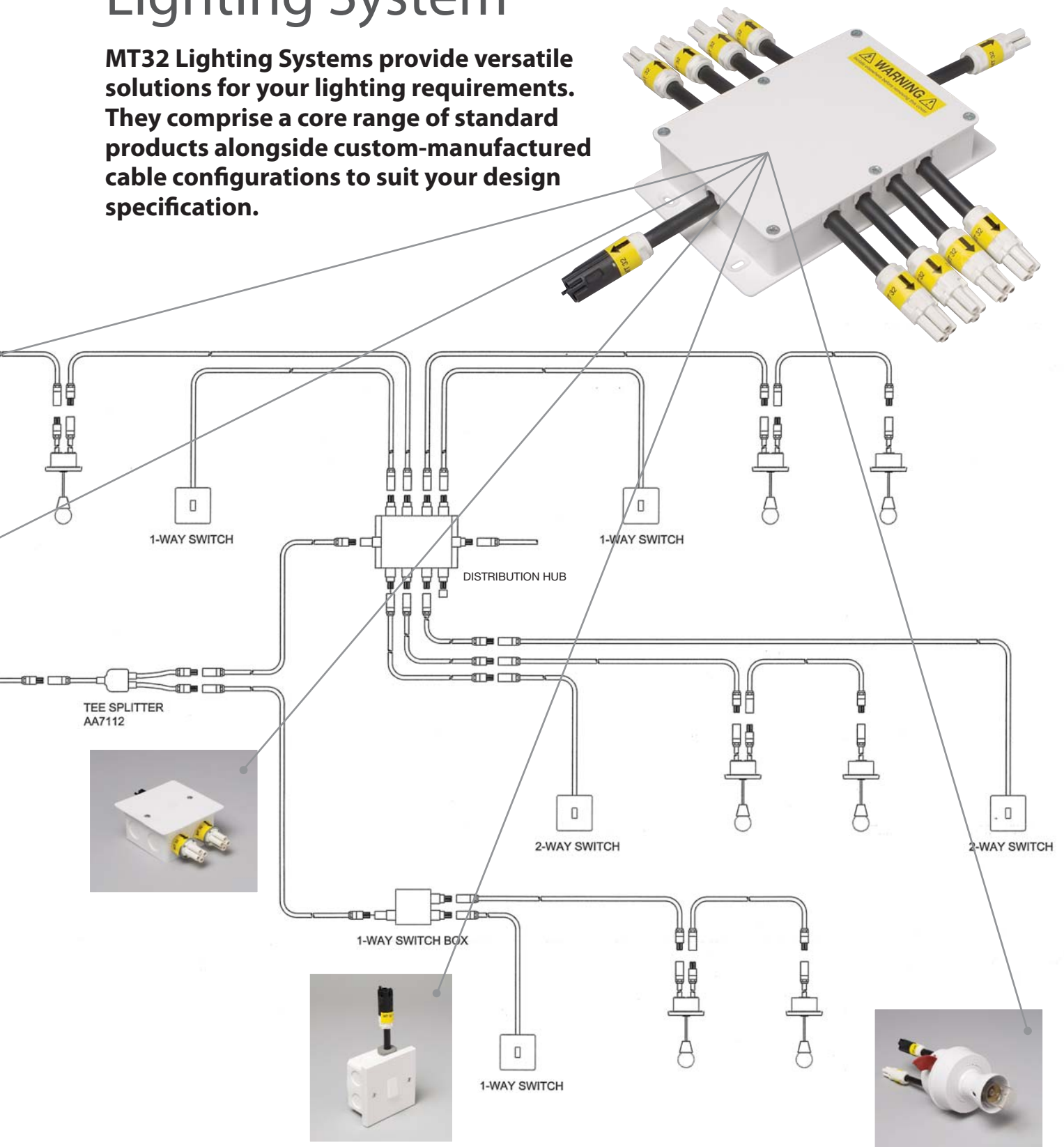


Home Run from Distribution Board



Lighting System

MT32 Lighting Systems provide versatile solutions for your lighting requirements. They comprise a core range of standard products alongside custom-manufactured cable configurations to suit your design specification.



Perimeter Systems

A modular installation for power within trunking

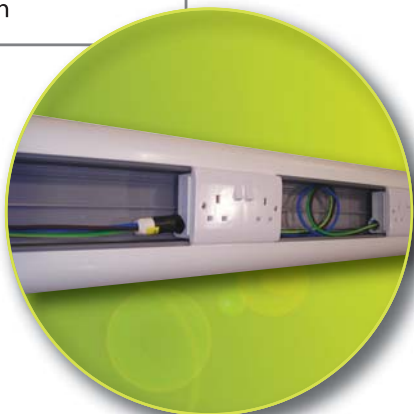
- ◆ For use with 2.5mm² Flex System and 4.0mm² Singles System.
- ◆ 32amp compact connector.
- ◆ The Perimeter System is available in a 4.0mm² LSOH Singles System as an alternative specification that meets the requirement for high integrity earthing.
- ◆ Pre-wired, pre-tested, simple click together modular components.
- ◆ Circuit testing is only required on completion of final layout as all individual components are supplied pre-tested.
- ◆ Reduces labour time and cost.
- ◆ Can be used in conjunction with Marshall-Tufflex Odyssey, Sterling and other containment systems.

Terminal Block

- ◆ For connection of incoming supply to MT32
- ◆ 6 way terminals
- ◆ Plate mounted for trunking installation

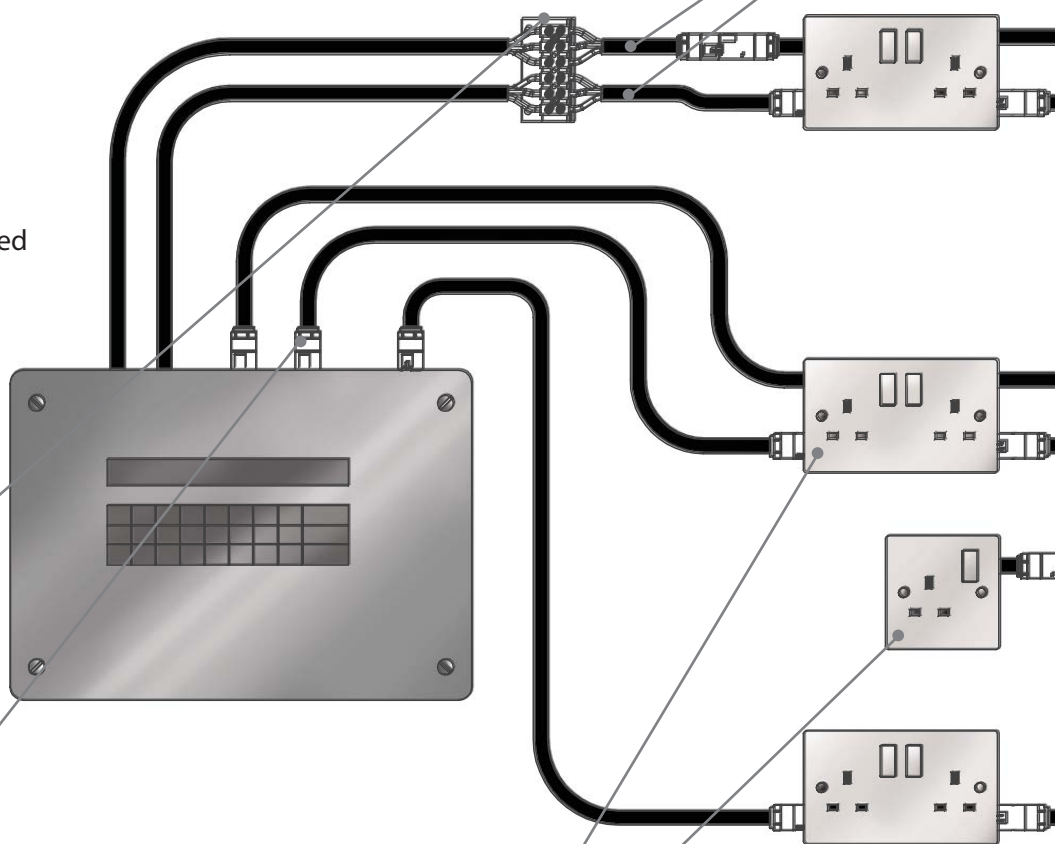
Adaptors

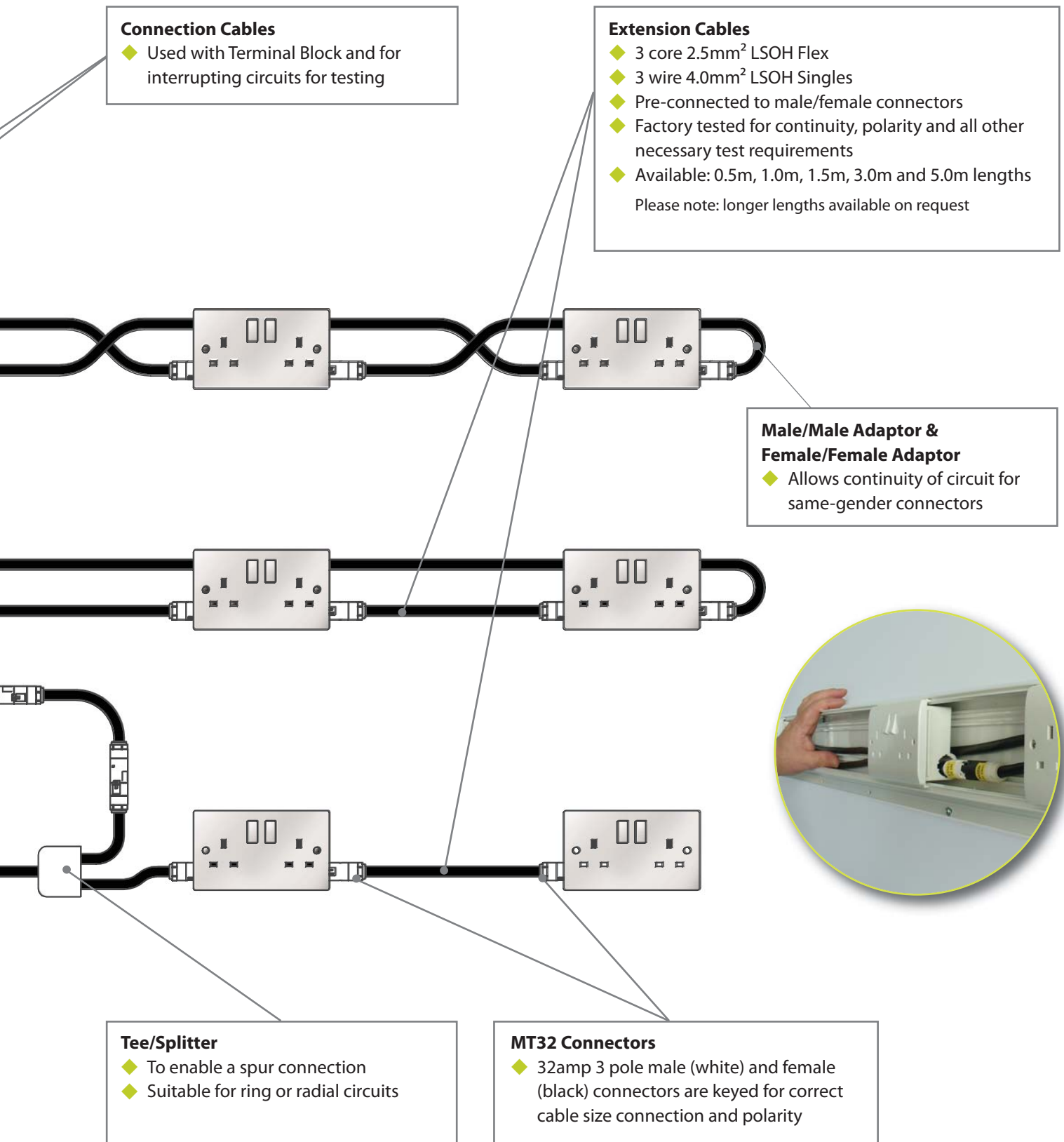
- ◆ Male version to adapt Consumer Unit outgoing circuits to MT32 configuration



Socket Assembly

- ◆ Supplied pre-wired and pre-tested with Through and Terminal Box 32 amp rated connectors
- ◆ Available as twin and single gang sockets with dual earth



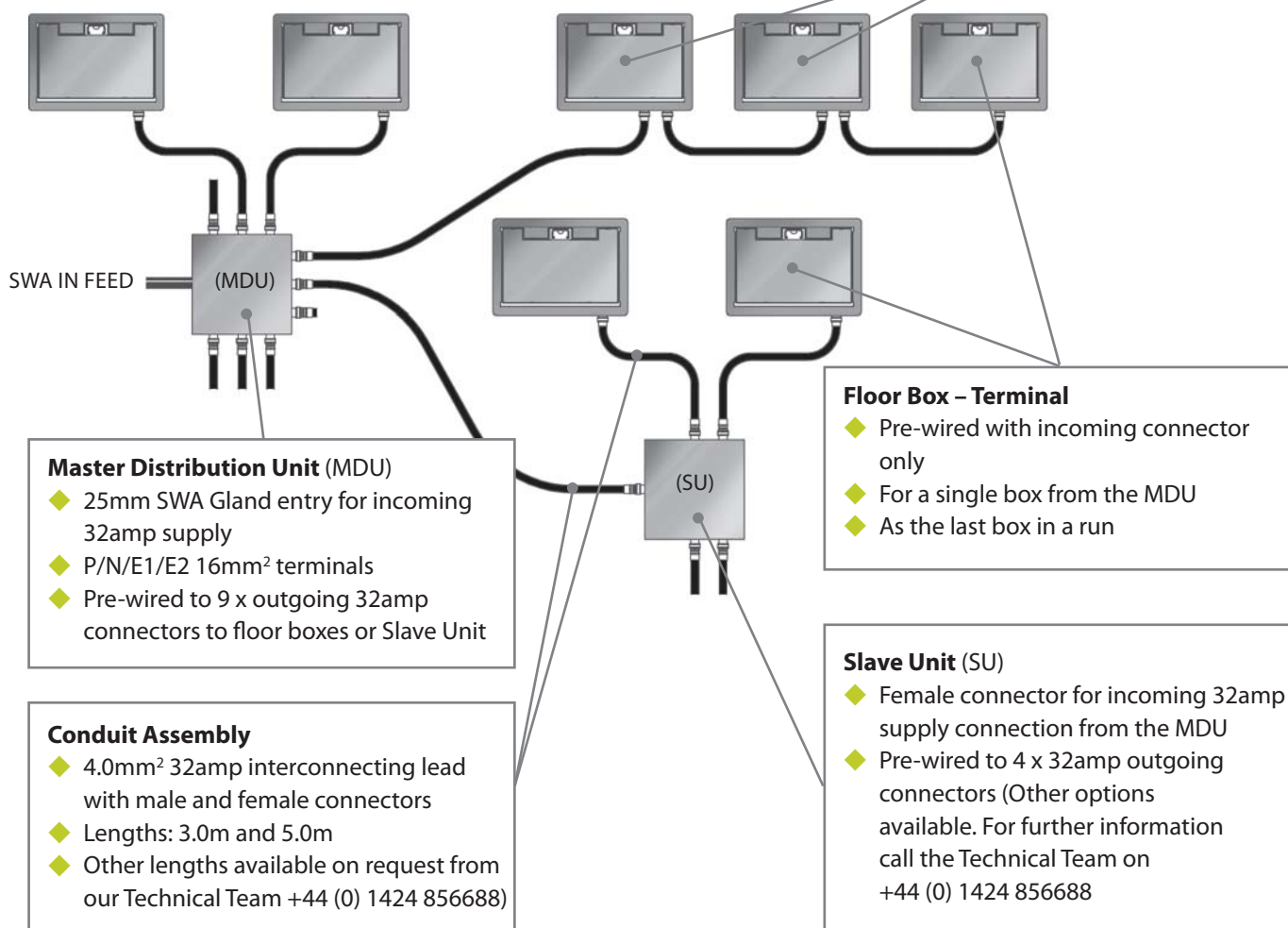
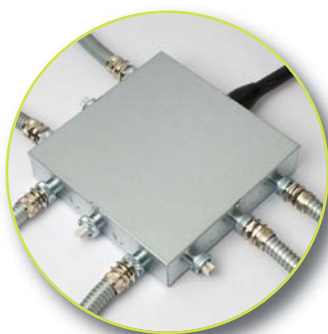


MT32 Underfloor Distribution System

The most versatile 32amp underfloor power distribution system

- ◆ All click-together modular units are supplied pre-wired and pre-tested.
- ◆ MT32 offers engineers and installers greater scope in layout design.
- ◆ Standard and Clean Earth (CE) systems.
- ◆ Allows a range of distribution and supply options.
- ◆ Economical and practical for large or high density floor areas.

Distribution from a 32amp direct supply

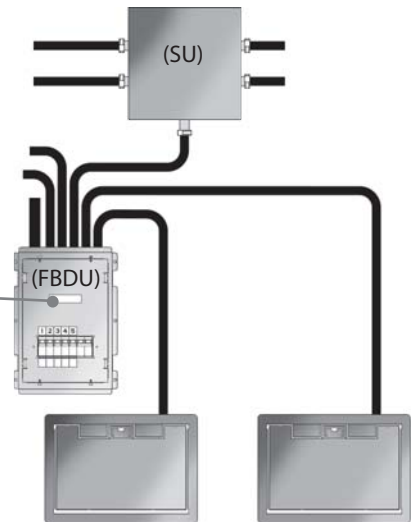


MT32 Conduit Assembly coupling: patent applied for

Power distribution with optional RCD, RCBO, MCB protection up to 100amp supply

Floor Box Distribution Unit (FBDU)

- ◆ 25mm SWA Gland entry
- ◆ Up to 100amp supply
- ◆ 5 x outgoing 32amp circuits
- ◆ Other MCB types and ratings on request
- ◆ Lockable lid on request



Note: FBDU Box is installed in raised floor for convenient access

Distribution from powertrack supply

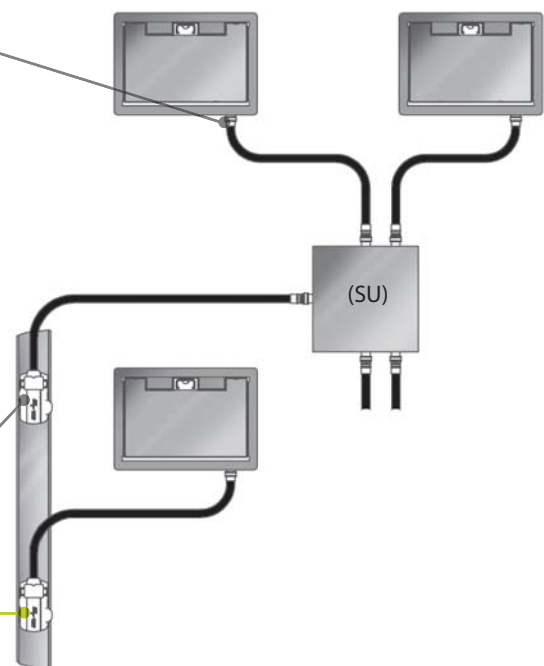
Adaptors

- ◆ Male and female – adapt existing or new boxes to MT32



Busbar Tap Off

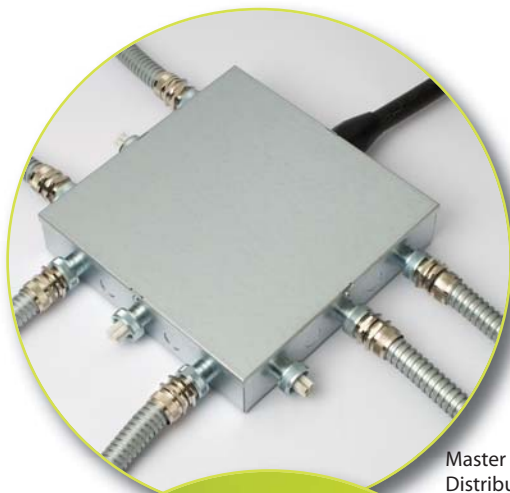
- ◆ 32amp Tap Off pre-wired to MT32 male connector
- ◆ 3.0m and 5.0m leads, Standard or CE



MT32 Underfloor Distribution System

MT32 Underfloor distribution system offers great flexibility in design layout and use

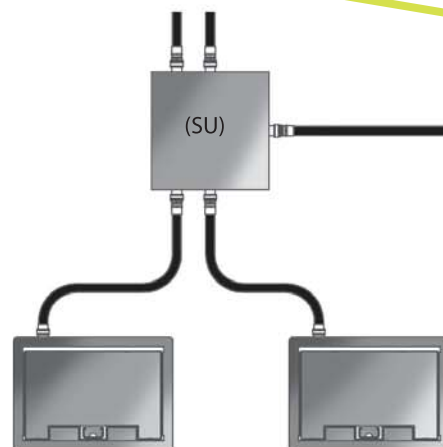
- ◆ It is possible to achieve a greater surface coverage area using MT32, thereby offering a more versatile alternative to powertrack systems.
- ◆ In and out connectors (i.e. Through Box) are supplied to allow for 'daisy chaining' floor boxes.
- ◆ MT32 can be used in conjunction with underfloor powertrack.
- ◆ Future growth and re-configuration can easily be fulfilled, either by adding additional boxes or by disassembling the entire layout and re-configuring as required.



Master Distribution Unit



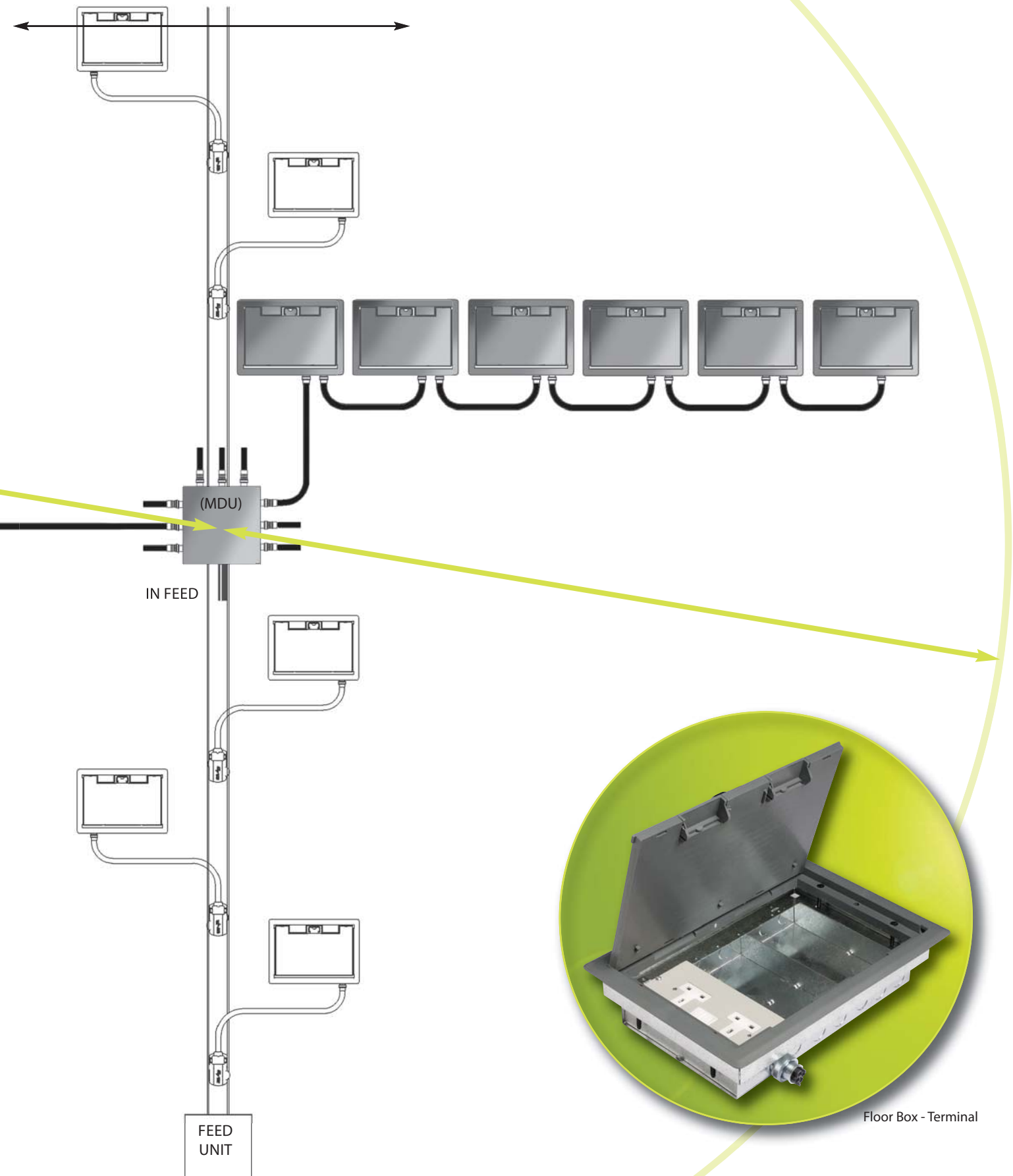
Floor Box Distribution Unit



approximate radius of MT32 is 18m

In a typical 36m run of powertrack, the overall area coverage is approximately 346m². In an equivalent area, the overall coverage of MT32 is 1,017m². Therefore MT32 has the potential to cover approximately 671m² more floor area than powertrack.

The approximate reach from a rigid powertrack system is 9.6m (using a standard 5m tap off)



For more information contact the Technical Team on +44 (0) 1424 856688

MT32 Dry Lining Solution

MT32 Dry Lining Boxes are pre-wired and pre-tested. The system provides fast connection, easy positioning and fix and is designed to be installed in dry wall board up to 32mm.

- ◆ MT32 Dry Lining Boxes are fully tested and assembled with an accessory face plate and with an MT32 connector attached.
- ◆ The boxes feature a wide securing flange around the outer rim, assisting in alignment and positioning.
- ◆ An innovative blind-fix box with external activation to deploy the locking mechanism, gripping the dry wall board firmly and securely locating the MT Dry Lining boxes with the accessory plate in situ.*
- ◆ 32amp, 3 pole, male and female connectors are keyed for correct cable size connection and polarity:

Male = white connector

Female = black connector

3 pole = standard earth system

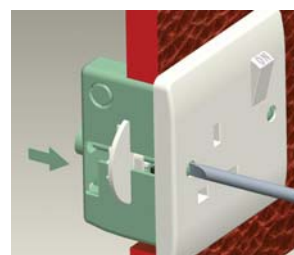
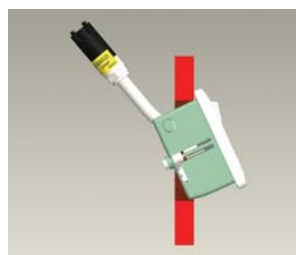
- ◆ MT32 version is available with pre-fitted intumescent (fire barrier) pads to meet the requirements of Document B of the UK Building Regulations.
- ◆ To comply with UK Building Regulations, Acoustic Hoods are available to fit this product range.



*patent applied for



- ◆ 1 gang and 2 gang MT32 dry lining boxes available with 2.5mm² cable. MT32 dry lining boxes fit apertures of 73 x 73 mm and 135 x 73 mm.
- ◆ Should you require 4.0mm² cable, please contact our Technical Team on +44 (0) 1424 856688.
- ◆ MT32 Dry Lining Boxes are constructed from Super High Impact ABS for strength and durability.



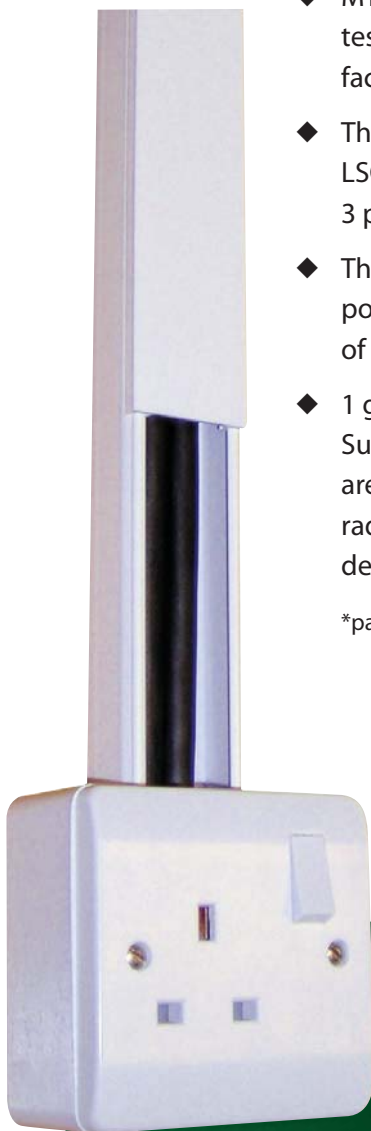
MT32 Surface Mounted Solution

MT32 Surface Mount Boxes are pre-wired and pre-tested enabling fast connection and easy positioning. They feature an innovative fast-fix plate which can be accurately positioned and fixed allowing the boxes to be locked into position.

- ◆ MT32 Surface Mount Boxes are fully tested and assembled with an accessory face plate and with an MT32 connector attached.
- ◆ The boxes have 2.0 metres of LSOH 2.5mm² flex complete with 3 pole Standard MT32 connector.
- ◆ The fixing plate is easily positioned and is independent of electrical assembly.*
- ◆ 1 gang and 2 gang MT32 Surface Mount boxes are available with square or radius corners and an internal depth of 32mm.

*patent applied for

- ◆ MT32 Surface Mount Boxes are constructed from Super High Impact PVC-U for strength and durability.
- ◆ MT32 Surface Mount Boxes can be used in conjunction with MT Mini Trunking.



Designed for use with a variety of Marshall-Tufflex mini trunkings. Please request a Cable Management Catalogue or visit www.marshall-tufflex.com

Flex System 2.5mm² (for use with Perimeter, Dry Lining and Surface Mount Systems)



Extension Cable

Prod code	Length	Pack
AA3330	0.5m	1
AA3331	1.0m	1
AA3332	1.5m	1
AA3333	3.0m	1
AA3335	5.0m	1



Connection Cable – Free End

Prod code	Length	Pack
AA3732 (Male)	1.5m	1
AA3532 (Female)	1.5m	1



Adaptors

Prod code	Length	Pack
AA8901 (Male/Male)	0.5m	1
AA8902 (Female/Female)	0.5m	1



Male & Female Adaptors

220mm Tail, Fit 20mm knockout	
Prod code	Pack
AA7211 (Male)	1
AA7212 (Female)	1



Tee/Splitter – F/MM 2.5mm²

Prod code	Pack
AA7112	1

Tee/Splitter – F/MM 4.0mm²

Prod code	Pack
AA7115	1

Note: longer lengths available on request

Singles Cabling System 4.0mm² (for use with Perimeter System)



Extension Cable

Prod code	Length	Pack
AA3350	0.5m	1
AA3351	1.0m	1
AA3352	1.5m	1
AA3353	3.0m	1
AA3355	5.0m	1



Connection Cable – Free End

Prod code	Length	Pack
AA3752 (Male)	1.5m	1
AA3552 (Female)	1.5m	1



Adaptors

Prod code	Length	Pack
AA8951 (Male/Male)	0.5m	1
AA8952 (Female/Female)	0.5m	1



Male & Female Adaptors

220mm Tail, Fit 20mm knockout	
Prod code	Pack
AA7251 (Male)	1
AA7252 (Female)	1

Perimeter Systems



Pre-wired Accessory 2.5mm²

Prod code	Size	Pack
AA6121	1 Gang	1
AA6221	2 Gang	1

Pre-wired Accessory 4.0mm²

Prod code	Size	Pack
AA6151	1 Gang	1
AA6251	2 Gang	1



Terminal Block 2.5mm²

Prod code	Pack
AA6510	1

Terminal Block 4.0mm²

Prod code	Pack
AA6520	1



Pre-assembled Outlet Box 2.5mm²

Prod code	Size	Pack
AA6321	1 Gang	1
AA6421	2 Gang	1

Pre-assembled Outlet Box 4.0mm²

Prod code	Size	Pack
AA6351	1 Gang	1
AA6451	2 Gang	1

Dry Lining 2.5mm² 1 and 2 gang boxes available



1G Terminal

Prod code	Size	Pack
AD6121	37mm	1

1G Terminal With Intumescent Pads

Prod code	Size	Pack
AD6129	37mm	1



2G Terminal

Prod code	Size	Pack
AD6221	37mm	1

2G Terminal With Intumescent Pads

Prod code	Size	Pack
AD6229	37mm	1



1G Through

Prod code	Size	Pack
AD6321	37mm	1

1G Through With Intumescent Pads

Prod code	Size	Pack
AD6329	37mm	1



2G Through

Prod code	Size	Pack
AD6421	37mm	1

2G Through With Intumescent Pads

Prod code	Size	Pack
AD6429	37mm	1



Intumescent Fire Barrier Pads
Available for MT32 Dry Lining Boxes
(see above)



Acoustic Hoods

Prod code	Description	Pack
MDLA1	1 gang	10
MDLA2	2 gang	10

Note: longer lengths available on request

Surface Mount 2.5mm² 1 and 2 gang boxes available with square or radius corners



1G Terminal Square Corners

Prod code	Size	Pack
AC1120	45.5mm	1



2G Terminal Square Corners

Prod code	Size	Pack
AC1220	45.5mm	1



1G Terminal Radius Corners

Prod code	Size	Pack
AC2120	43mm	1



2G Terminal Radius Corners

Prod code	Size	Pack
AC2220	43mm	1



1G Through Square Corner

Prod code	Size	Pack
AC3120	45.5mm	1



2G Through Square Corners

Prod code	Size	Pack
AC3220	45.5mm	1



1G Through Radius Corners

Prod code	Size	Pack
AC4120	43mm	1



2G Through Radius Corners

Prod code	Size	Pack
AC4220	43mm	1

For more information contact the Technical Team on +44 (0) 1424 856688

Underfloor Distribution System 4.0mm²



Floor Box – Through
Dimensions 322 x 222 x 83mm

Prod code	Size	Pack
AB5210	1x2 Gang 3 Pole	1
AB5220	2x2 Gang 3 Pole	1
AB5230	3x2 Gang 3 Pole	1
AB5211	1x2 Gang 4 Pole	1
AB5221	2x2 Gang 4 Pole	1
AB5231	3x2 Gang 4 Pole	1



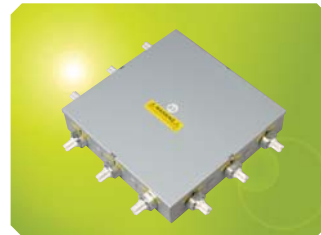
Floor Box – Terminal
Dimensions 322 x 222 x 83mm

Prod code	Size	Pack
AB5410	1x2 Gang 3 Pole	1
AB5420	2x2 Gang 3 Pole	1
AB5430	3x2 Gang 3 Pole	1
AB5411	1x2 Gang 4 Pole	1
AB5421	2x2 Gang 4 Pole	1
AB5431	3x2 Gang 4 Pole	1



Floor Box Distribution Unit
Dimensions 322 x 222 x 100mm

Prod code	Size	Pack
AB6310	5 Way 3 Pole	1
AB6320	5 Way 4 Pole	1



Master Distribution Unit
Dimensions 260 x 260 x 55mm

Prod code	Size	Pack
AB6200	9 Way 3 Pole	1
AB6201	9 Way 4 Pole	1



Slave Unit
Dimensions 260 x 260 x 55mm

Prod code	Size	Pack
AB6100	4 way 3 Pole	1
AB6101	4 way 4 Pole	1



Conduit Assembly

Prod code	Size	Pack
AB3353	3.0m 3 Pole	1
AB3355	5.0m 3 Pole	1
AB4453	3.0m 4 Pole	1
AB4455	5.0m 4 Pole	1



Male & Female Adaptors
220mm Tail, Fit 20mm knockout

Prod code	Size	Pack
AB7234	3 Pole (male)	1
AB7244	4 Pole (male)	1
AB7134	3 Pole (female)	1
AB7144	4 Pole (female)	1



507 Tap Off CE to MT32 connector

Prod code	Length	Pack
AB8113	3.0m	1
AB8115	5.0m	1



507 Tap Off CE to MT32 connector

Prod code	Length	Pack
AB8213	3.0m	1
AB8215	5.0m	1

Note: longer lengths available on request

Male = White Connector
Female = Black Connector

3 Pole = Standard Earth System
4 Pole = CE System

Numerous configurations of tap-off units including fused options are available on request

MT32 Environmental

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

Jim Fletcher, Managing Director

Marshall-Tufflex is recognised by the BSI as a firm of Assessed Capability to BS EN ISO 14001:2004.

CARBON ASSESSMENT

The Carbon Trust was set up by Government in 2001 as an independent company. Their mission is to accelerate the move to a low carbon economy by working with organisations to reduce carbon emissions and develop commercial low carbon technologies. Marshall-Tufflex was been assessed by the Carbon Trust in 2007 and received an excellent report.

SUSTAINABILITY

MT32 Power Connection is an LSOH wiring system that is completely re-usable. Where layouts may need to be re-configured in the future, or for temporary applications, all major components can be disassembled and re-used.



MARSHALL-TUFFLEX AND VINYL 2010

Marshall-Tufflex is dedicated to meeting the requirements of Vinyl 2010 and its Voluntary Commitment to the European Commission. www.vinyl2010.org

Quality Management Systems:

Marshall-Tufflex is totally committed to quality and customer satisfaction and the Company is recognised by the British Standards Institution as a firm of Assessed Capability to BS EN ISO 9001:2000.



Certificate No. Q05393
Registration
BS EN ISO 9001:2000

Environmental Management Systems:

PVC-U is a proven superior material and offers major environmental benefits. Marshall-Tufflex is recognised by the BSI as a firm of Assessed Capability to BS EN ISO 14001:2004.

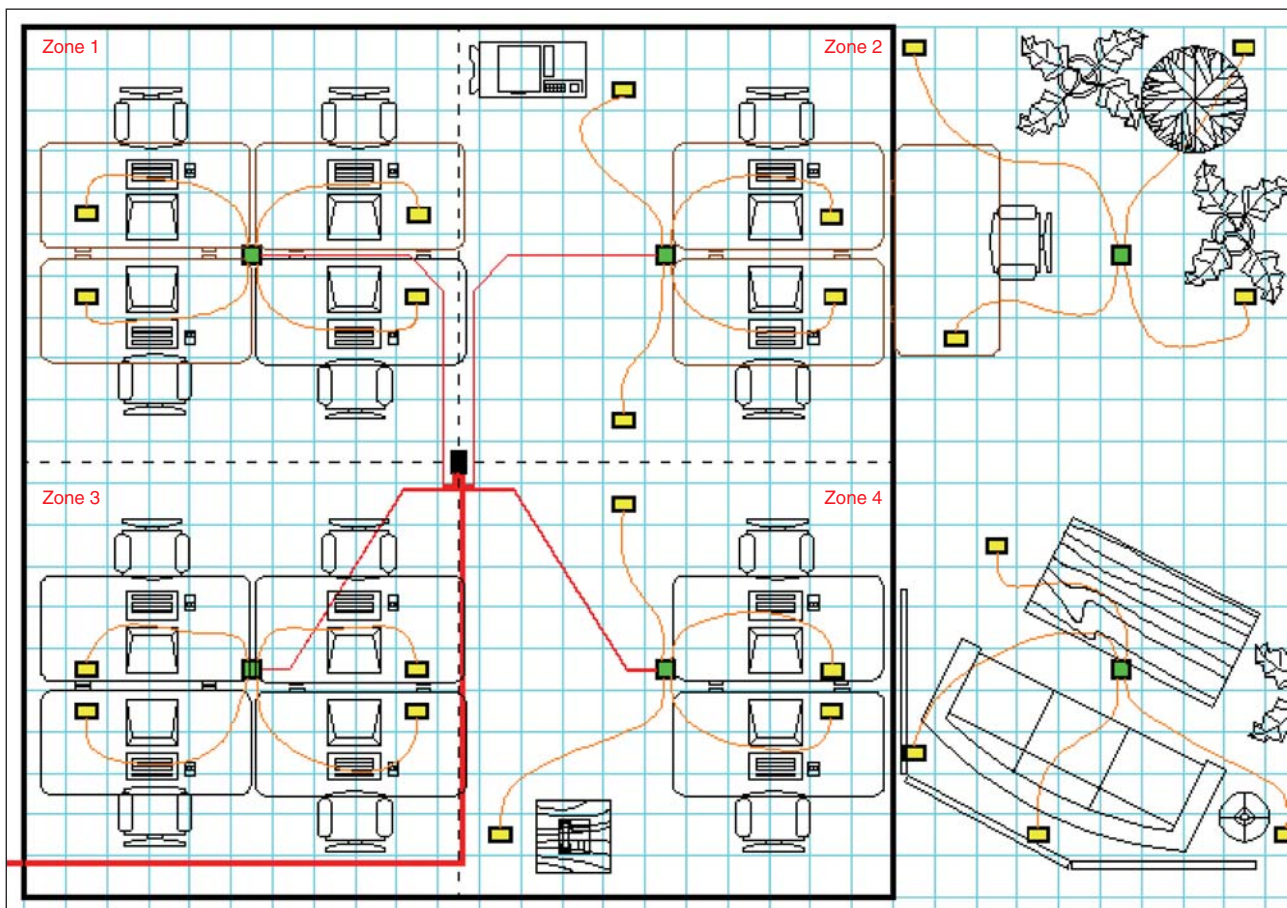


Certificate No. EMS 539245
Registration
BS EN ISO 14001:2004

For more information contact the Technical Team on +44 (0) 1424 856688

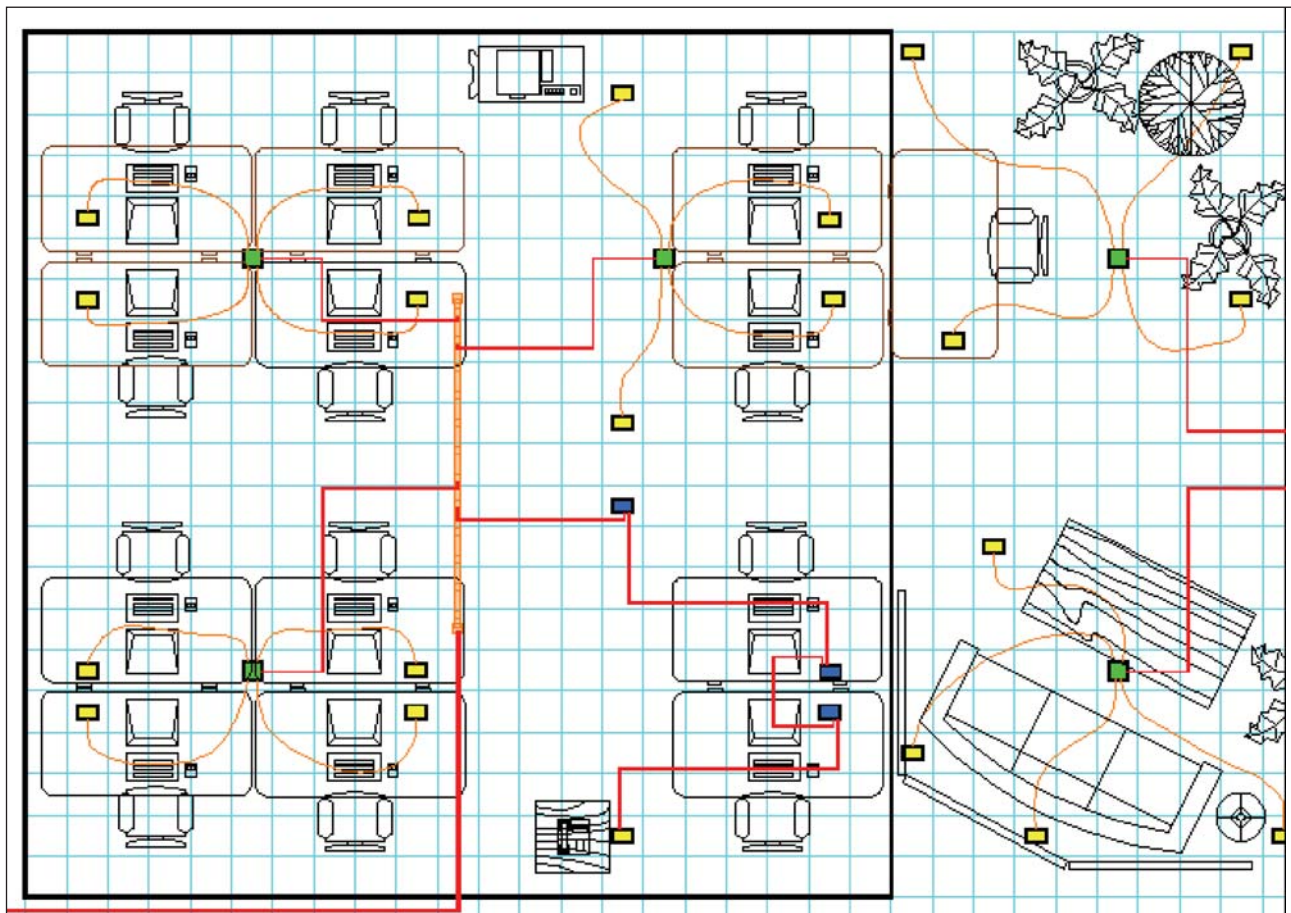
100amp Floor Distribution System using MT32

- ◆ Up to 100amp SWA incomer with distribution at 32amps maximum.
- ◆ Main switch can be RCD protected.
- ◆ The MT32 Floor Box Distribution Unit (FBDU) is installed at floor level so there is no requirement for fused tap-offs below the floor.
- ◆ Each FBDU offers up to 5 independent protected circuits.
- ◆ Various MCB current ratings and types are available.
- ◆ Optional RCBOs can be configured across the outgoing circuits to help minimise nuisance tripping from earth leakage and eliminating the need for RCD protection within floor boxes.
- ◆ Floor layout can be segregated into separately supplied and protected zones.
- ◆ Isolation facility for localised re-configuration or maintenance.
- ◆ Possible to supply up to three times as many floor boxes as a standard 32amp Powertrack system.
- ◆ The FBDU is installed in raised floor so there is no possibility of ingress of moisture or damage during the building programme.
- ◆ Lockable lids are available.



Using MT32 and Powertrack in combination

- ◆ Should Series 507 Powertrack be the preferred method of underfloor power supply, then combining Powertrack with MT32's interlinked floor boxes will provide a far greater reach of floor area than can be achieved using Powertrack alone.
- ◆ This combination reduces the number of parallel runs of Powertrack to cover comparable floor area.
- ◆ Previously installed Powertrack systems (supplied by Marshall-Tufflex or any other manufacturer) can be adapted by using MT32 to provide extensions to existing layouts.



- | | |
|---|--|
|  Floor Box - Terminal |  Series 507 Powertrack |
|  Floor Box - Through |  Series 507 Tap-off with MT32 connector / MT32 Conduit Assembly |
|  Slave Unit |  SWA Supply |
|  Floor Box Distribution Unit | |

MT32

Technical Information

Flex System

Extension, Connection, Adaptor and Terminal Cables

Cable Type	3183B (HO5Z-F) to BS6360 (LSOH)
Size	2.5mm ² x 3 core
Connector Self Lock Retention	> 80N
Male/Female Connector Diameter	Ø19.2 mm
Terminal Block	6 x 2.5mm ²
Adaptor (2.5mm ²)	Ø20mm

Singles Cabling System

Extension, Connection, Adaptor and Terminal Cables

Cable Type	6491B (HO1Z-R) to BS7211 (LSOH)
Size	4.0mm ² x 3
Connector Self Lock Retention	> 80N
Male/Female Connector Diameter	Ø19.2mm
Terminal Block	6 x 4.0mm ²
Adaptor (4.0mm ²)	Ø20mm

Underfloor Distribution System

Conduit Assembly, Tap Off and Adaptor

Cable Type	6491B (HO7Z-R) to BS7211 (LSOH)
Protective Earth (P.E)	4.0mm ² x 3 (Grey Plug)
Clean Earth (C.E)	4.0mm ² x 4 (Red Plug)
Protection: Conduit Assembly	25mm Steel flexible conduit
Protection: Tap Off	20mm Steel flexible conduit

Master Distribution Unit, Slave Unit

MCB Distribution Unit, Floor Box Assembly

Cable Type	4.0mm ² 6491B (HO7Z-R) to BS7211 (LSOH)
Protection	Outer: Galvanised steel
MCB Rating	On request
Adaptor (4.0mm ²) entry size	Ø20mm

Master Distribution Unit, MCB Distribution Unit

SWA Gland entry size	Ø25mm
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Different key ways apply between 2.5mm² and 4.0mm²

MT32

Technical Information

General Specification

Approvals: System	Designed to comply with BS7671:2008 IEE Wiring Regulations
Approvals: Connector	Designed to comply with BS 61535-2006#
Normal Voltage	250 volts
Frequency	50/60 Hertz
Volt Drop Line & Neutral Connector	1.0 mV/A/M
Volt Drop Line & Neutral (Flexible Cabling System) 2.5mm	19.0 mV/A/M
Volt Drop Line & Neutral (Underfloor) 4.0mm	12.0 mV/A/M
Connector Impedance	1.0m Ω /connector
Connector, Body Material	PA66 – GF25
Connector Colour Female	Black
Connector Colour Male	White
Compatibility	Keyed against incorrect insertion
Operating Temperature (Ambient)	-5 °C to + 40 °C
Safety	PE contact engages first
Degree of Protection Engaged	IP2XC

Earthing requirements for the installation of equipment having High Protective/Conductor currents. BS7671: 2008 Reg. 543.7

The scope of Reg. 543.7.1.3 requires that every final circuit intended to supply one or more items of equipment, where the total protective conductor current is likely to exceed 10mA. in normal use, shall have a high protective connection.

Flex System 2.5mm² 3 Core

Ring Final Circuit

MT32 ring flex system conforms to the high integrity protective requirement by having a ring protective conductor of 2.5mm² (543.7.2.1) providing the ends of all protective conductors are terminated independently at all connection points throughout the circuit. (543.7.1.4)

Singles Cabling System 4.0mm²

Final Circuit

MT32 singles systems conform to the high integrity protective requirement by virtue of having a single copper protective conductor of 4mm², (543.7.1.3ii) with the protective conductor being enclosed throughout in trunking or flexible conduit to provide additional protection against mechanical damage.

Different key ways apply between 2.5mm² and 4.0mm²

Fixed installation couplers for permanent connection

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



MT32 has been developed in association with Tyco Electronics

