easy. smart. forever.

Cable Management System Catalogue

MK
by Honeywell

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Cable Management System

Ease of installation, customization, flexibility, efficiency and safety are fundamental to the distribution of power, data and telecom cables. Cable Management addresses these needs effectively and provides comprehensive solutions for both Wall and Floor applications.

Cable Management enables installations to be planned to suit specific layout requirements. A complete system that provides ideal solutions for the distribution of cables and access to power, data and communication services on the Wall and under the Floor.

Wall

Powerlink Plus is a 63A direct online busbar based Cable Management System with plug-in wiring accessories that offers built-in-flexibility for installing power, data, communication services and outlets.

Prestige 3D is the new three compartment dado trunking from MK. It is rich in new features, offering installation benefits and improved cable management and also Cat 6 compliant, with Flat Angles and Tees, all allowing continuous cable capacity.

Prestige 3D Antibac is the new antibacterial cable management solution for power and data distribution in environments where hygiene is a priority.

Premier offers advanced, integrated cable distribution solutions that are versatile and highly adaptable.

Norwich is a sturdy, safe, easy to install and highly durable system that offers time saving-cable distribution solutions.

Floor

Cable Management Systems are designed to enclose power, telephone and ancillary system service cables, facilitating distribution in commercial and other similar establishments, where open plan office layouts and modern building methods need a versatile arrangement of services for easy installation and flexibility in use.
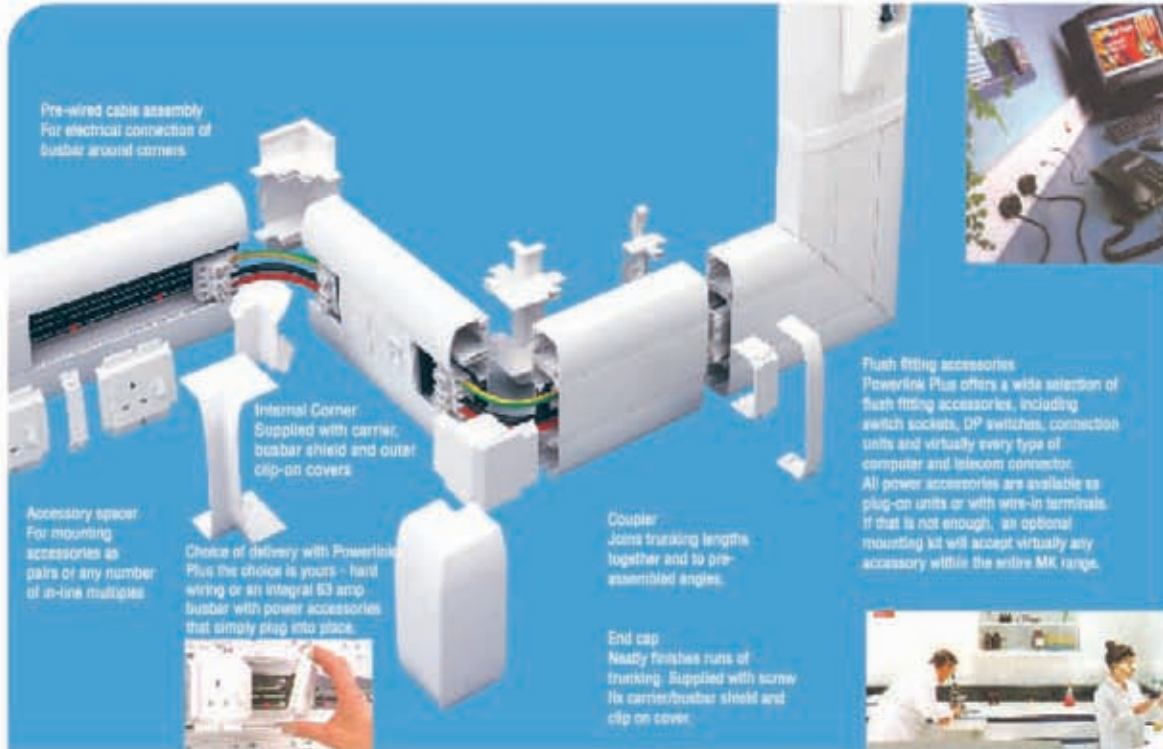
Cable Management Systems provide the solutions for such cable management needs on the floor.

Underfloor Cable Management Systems are intended for laying on the structural slab prior to the screed being poured.

Powerlink Plus System

Pre-wired cable assembly
For electrical connection of
busbar around corners

Internal Corner
Supplied with carrier,
busbar shield and outer
clip-on covers

Accessory spacer
For mounting
accessories as
pairs or any number
of in-line multiples

Choice of delivery with Powerlink
Plus the choice is yours - hard
wiring or an integral 63 amp
busbar with power accessories
that simply plug into place.

Coupler
Joins trunking lengths
together and to pre-
assembled angles.

End cap
Neatly finishes runs of
trunking. Supplied with screw
fix carrier/busbar shield and
clip on cover.

Flush fitting accessories
Powerlink Plus offers a wide selection of
flush fitting accessories, including
switch sockets, DP switches, connection
units and virtually every type of
computer and telecom connector.
All power accessories are available as
plug-on units or with wire-in terminals.
If that is not enough, an optional
mounting kit will accept virtually any
accessory within the entire MK range.

Product Code	: K1963WHI
Standard Length	: 3 metres
Trunking Size	: 170mm (H) x 50mm (D)
Material	: PVC-U
Colour	: White

Features

- Powerlink Plus has the facility to visually co-ordinate virtually unlimited numbers of mains and ELV outlets.

- Powerlink Plus has specially designed plug-in sockets that plug onto the busbars eliminating the need for any hard wiring.

- Ample space provided within the profile allows for high cable capacities in the outer ducts.

- Powerlink Plus is made of self-extinguishing material.

Power - Any Time, Any Where

Powerlink Plus is a unique Cable Management System that operates on a busbar principle with ample space provided for a high cable carrying capacity.

Specially designed range of power accessories plug on to the busbar and can be repositioned or added to, should the requirements change.

Besides the busbar facility Powerlink Plus also provides multiple channels for different cable distributions, where Extra Low Voltage (ELV) service cables can be carried. ELV outlets such as telecom, data, etc., can be positioned within the profile and can be rearranged as needed, thereby offering a fully integrated system.

Powerlink Plus System

Dado Trunking

with 63 Amps busbars

List No. K1963 WHI
170(H) x 50(D)mm

Rear Cable entry section

List No. K1920 WHI
152(L) x 170(H) x 50(D)mm

Cable Connection Box Assembly

for use with K1920WHI

List No. 1922
133(L) x 133(H) x 40(D)mm
KNOCKOUTS:
4 x 20 mm 4 x 25 mm

Coupler

with busbar shield

List No. K1908 WHI

End Caps

List No. K1904 WHI

Internal Corner

with busbar shield

List No. K1905 WHI

External Corner

with busbar shield

List No. K1906 WHI

10mm^2 Cable Termination
(50 Amps)
(3 pole)

List No. 1923

25mm^2 Cable Termination
(63 Amps)
(3 pole)

List No. 1924

Busbar Coupler

(Plug-in)

List No. K1925

16mm^2 Cable Link Assembly

List No. 1919

13 Amps MK Safety Plug

List No. 646 WHI

13 Amps Switch Socket

with Pilot Light

List No. 1950 WHI

13 Amps Switch Socket

without Pilot Light

List No. 1951 WHI

RJ11 Telephone Jack

List No. 1999 WHI

RJ45 Computer Data Jack
(Category 5e)

List No. 1978 WHI

Powerlink Plus System

Powerlink Plus Technical Data

The Powerlink Plus system allows compliance in all respect with the 16th Edition of the IEE Wiring Regulations.

Shape and Size

Powerlink Plus is divided into three components with the central component containing the busbars.

Weight

Powerlink Plus with Busbar 3 kg/mtr

Cross-sectional area of compartments

Type	No. Comp	Area mm
Powerlink Plus Outer Duct	2	875
Powerlink Plus Central Duct (Cable duct Above busbar)	1	180

Strength

Heavy distortion resistance to BS 4678 Part 4

Medium impact resistance at -5°C to BS 4678 Part 4

Fire

The system is fabricated from self extinguishing, non-flame propagating material.

Softening point : 75° C

Glowire : 850° C

Chemical Resistance

Powerlink Plus is non-corrosive and not affected by sea water. It has excellent resistance to minerals, acids, alkalis and detergents. Good resistance to alcohol but liable to attack from solvents, such as ketones, aromatics and hydrocarbons.

Degree of Protection

Enclosure Classification IP 41 (BS 5490) when installed in accordance with the instructions set out in the Installation Guide.

Water Absorption

Negligible

Thermal Movement

The system is designed to accommodate local thermal expansion and contraction when installed as per installation guide.

Ambient Temperature Range	Min	Max
Handling and storage	-5°C	60°C
During installation	-5°C	60°C
Operating	-5°C	50°C

Workability

Powerlink Plus can be readily cut and drilled with hand tools. It is lightweight and easy to handle. All interlocking components are manufactured to fine tolerances for easy fit and removal.

Maintenance

Complete rearrangement of supply and switch control for modification are possible. The surface of the trunking can be cleaned with a damp cloth and household detergent.

Electrical

Dielectric strength 19.5 KV/mm at 25°C
Insulation Volume Resistivity 10^{14} ohm-cm
Busbar rating 63 A 250 V AC
Busbar Voltage drop
L to N 3.47mV/A/metre run
L to E 3.47mV/A/metre run
N to E 4.57mV/A/metre run
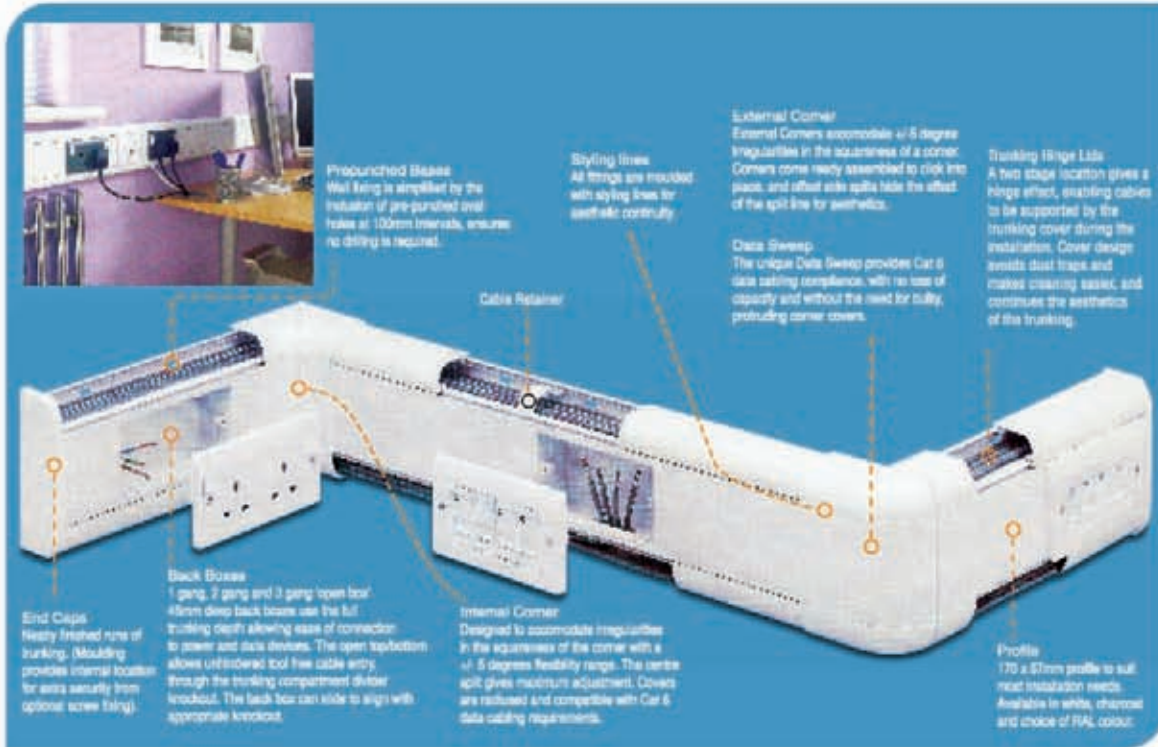Earth Fault Loop Impedance
L to E 3.47 milliohms / metre run
Prospective current 16.5 kA
"Mechanical withstand 10.0 kA peak min, Thermal withstand 3.6 kA² seconds."

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Prestige 3D

Propunched Bases
Wall fixing is simplified by the inclusion of pre-punched oval holes at 100mm intervals, ensures no drilling is required.

Styling lines
All fittings are moulded with styling lines for aesthetic continuity.

External Corner
External Corners accomodate +/-5 degree irregularities in the squareness of a corner. Corners come ready assembled to click into place, and offset side splits hide the effect of the split line for aesthetics.

Data Sweep
The unique Data Sweep provides Cat 6 data cabling compliance, with no loss of capacity and without the need for bulky, protruding corner covers.

Trunking Hinge Lids
A two stage location gives a hinge effect, enabling cables to be supported by the trunking cover during installation. Cover design avoids dust traps and makes cleaning easier, and continues the aesthetics of the trunking.

Cable Retainer

End Caps
Neatly finished runs of trunking. (Moulding provides internal location for extra security from optional screw fixing).

Back Boxes
1 gang, 2 gang and 3 gang 'open box' 45mm deep back boxes use the full trunking depth allowing ease of connection to power and data devices. The open top/bottom allows unhindered tool free cable entry, through the trunking compartment divider knockout. The back box can slide to align with appropriate knockout.

Internal Corner
Designed to accomodate irregularities in the squareness of the corner with a +/- 5 degrees flexibility range. The centre split gives maximum adjustment. Covers are radiused and compatible with Cat 6 data cabling requirements.

Profile
170 x 57mm profile to suit most installation needs. Available in white, charcoal and choice of RAL colour.

Product Code	: VP180WHI / VP100WHI / VP110WHI
Standard Length	: 3 metres
Trunking Size	: 170mm (H) x 57mm (D)
Material	: PVC-U
Colour	: White

Features

- Greater trunking depth to cater for Cat 6 structured cabling systems, supports 45 mm deep back boxes
- Cat 6 compatible flexible Internal and External Corners allows for poor building tolerances
- Divider Knockouts, making wiring easier and faster with no drilling or cutting
- Two stage Hinge Lids enables cables to be supported by the trunking cover during installation, and makes retro-installation of additional cables more simple
- Cat 6 compatible moulded Flat Angles and Tees

Prestige 3D is the new three compartment dado trunking from MK that satisfies the growing data demands of cable management installations, as well as providing greater trunking depth to cater for Cat 6 structured data cabling. Prestige 3D is rich in new features, offering installation benefits and improved cable management. Prestige 3D is Cat 6 compliant, with Flat Angles and Tees, all allowing continuous cable capacity.

Prestige 3D

Main Carrier	**Straight Cover**	**Curved Cover**	**Flexible Internal Corner**	**Flexible External Corner**
List No. VP180 WHI 3 Metre Lengths	List No. VP100 WHI 3 Metre Lengths	List No. VP110 WHI 3 Metre Lengths	List No. VP181 WHI	List No. VP182 WHI

End Cap	**Socket Spacer**	**1-2 module mounting box**	**4 module mounting box**	**6 module mounting box**
List No. VP183 WHI	List No. VP129 WHI	List No. VP121 WHI 1-2 module mounting box	List No. VP122 WHI 4 module mounting box	List No. VP123 WHI 6 module mounting box

Cable Retainer	**Joint Cover**	**Flat Angle**	**Flat Tee**	**Screw Fixing Kit**
List No. VP105 WHI	List No. VP184 WHI	List No. VP185 WHI	List No. VP187 WHI	List No. VTS1000 WHI

TECHNICAL SPECIFICATION

CE marking
All relevant MK products in this brochure are CE marked, confirmation that they meet the EMC and LV directives.

Manufacture
All trunking components are manufactured from PVCu.

Appearance
Prestige 3D is manufactured in white. The trunking surface can be painted, if required, after installation.

Performance

Impact	Medium
Minimum Storage Temperature	25°C
Minimum Installation Temperature	-5°C
Maximum Application Temperature	+60°C

Fire performance
The PVCu materials used in the manufacture of MK products are non-flame propagating in accordance with BS EN 50085-1:1999 and BS EN

61386-1:2004. Extrusion material has achieved classification 1Y in accordance with BS 476-7:1997. Moulding material has achieved 650oC glow wire rating in accordance with BS EN 60695-2-11:2001.

Thermal properties
Prestige 3D trunking is designed to accommodate local thermal expansion. Fitting instructions explain the procedure required to deal with the differential movement at the interface with the building fabric.

Linear Expansion: 4 mm over every 3000mm with a temperature rise of 25°C

Chemical resistance
The PVCu materials used are non-corrosive and not affected by seawater. It has excellent resistance to mineral adds, alkalis and detergents, good resistance to alcohols, but is liable to attack from solvents such as ketones, aromatics and hydrocarbons.

Electrical
Presitge 3D trunking is non-conductive.

Dielectric strength	40 kv/mm in DBP
	17 kv/mm in tx oil
Resistivity	1014 cm

Biological
Prestige 3D trunking is resistant to vermin and termites.

Workability
Presitge 3D trunking is lightweight and can readily be cut and drilled to suit installation needs with hand tools.

Durability
Prestige 3D trunking is stable and will maintain its performance characteristics in accordance with the terms and conditions described above.

Maintenance
Clip-on covers with optional screw fix and interchangeable accessories provide continuous accessibility for rewiring, extensions and modifications to an installation. Covers and accessories can be cleaned with water and household detergent. The surface can be decorated with commercial paints if required.

Prestige 3D Antibac Blue

New from MK Electric, Prestige 3D Antibac Blue offers an antibacterial cable management solution for power and data distribution in environments where hygiene is a priority. With ongoing concern over hospital acquired infections such as MRSA, the demand for antibacterial products continues to rise. Prestige 3D Antibac Blue is designed to kill bacteria which can grow on surfaces such as trunking systems. It uses a silver based additive inherent within the PVCu which acts as an effective weapon in fighting harmful bacteria such as MRSA, and Klebsiella pneumoniae.

MK offer a complete antibacterial solution, by complementing Prestige 3D Antibac Blue with wiring devices, the entire installation will meet the requirements of an antibacterial specification. The trunking and wiring devices are both open to contact, therefore the control of the spread of bacteria and infections can only be effective with a complete solution. MK's Prestige 3D Antibac Blue range will meet the demands of the Healthcare Trusts, Infection Control Departments or Facilities Managers specifying antibacterial products, as well as providing the fastest installation for Contractors, the range has been independently verified as 40% faster to install.

- The only manufacturer to offer a complete antibacterial solution
- >99.9% kill rate against MRSA and Klebsiella pneumoniae
- Unique patent pending fluorescence under UV light, providing customer confidence
- Fully Cat 6 compliant
- Patented Data Sweep maximises cable capacity
- Screw fixing kit available for installations where higher security is required, e.g. public buildings, hospitals, schools
- Independently verified as 40% faster to install

Prestige 3D Antibac Blue

Component Selector Chart

	PROFILE LENGTHS				FITTINGS		
	Main Carrier*	Straight Cover	Curved Cover	Square Cover	Flexible Internal Corner	Flexible External Corner	End Cap
						CONSISTS OF COVER AND DATA SWEEP	SUPPLIED LEFT AND RIGHT-HAND PAIR
	3 METERS (6m)	3 METERS (30m)	3 METERS (30m)	3 METERS (30m)	2	2	1
DADO 170 X 57mm	VP180 WHI	VPAB100 WHI	VPAB110 WHI x2		VPAB181 WHI	VPAB182 WHI	VPAB183 WHI
SKIRTING 170 X 57mm	VP180 WHI	VPAB100 WHI	VPAB110 WHI	VPAB115 WHI	VPAB191 WHI	VPAB192 WHI	VPAB193 WHI

* Carrier components do not require the antibacterial additive as they have no exposure once the installation is complete. As such, the standard main carrier is sufficient, as are standard back boxes, mounting frames and cable retainers. The carrier components of the External Corner, Flat Angle and Flat Tee are also standard PVCu due to no exposure once installation is complete.

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Prestige 3D Antibac Blue

ACCESSORIES

Joint Cover	Flat Angle	Flat Tee	Flange and Socket Spacer	Open Back Boxes	Open Mounting Frames*
	CONSISTS OF COVER AND CARRIER 1	CONSISTS OF COVER AND CARRIER 1			

5

VPAB184 WHI	VPAB185 WHI	VPAB187 WHI

VXAB40 CHA* 20
PART M FLANGE FITTED BOTH SIDES OF A DEVICE

VXAB41 CHA* 10
PART M SOCKET SPACER

VPAB129 WHI** 50
SOCKET SPACER
Provides colour contrast with wiring device to comply with Part M.

* Visible width is 25mm after installation.

* Visible width is 9mm after installation.

VP121 WHI 25
VP121 CHA 25
1 GANG MOUNTING FRAME

VP122 WHI 10
VP122 CHA 10
2 GANG MOUNTING FRAME

VP123 WHI 5
VP123 CHA 5
3 GANG MOUNTING FRAME

VP131 WHI 25
VP131 CHA 25
1 GANG 40 MM OPEN MOUNTING FRAME

VP132 WHI 10
VP132 CHA 10
2 GANG 40 MM OPEN MOUNTING FRAME

1 Gang frame is used in vertical applications.
Wings may be removed for greater wiring space.
*Open mounting frames are only suitable where services running in the centre compartment are the same as that of the accessory.

VPAB194 WHI	Flat Angle Up VPAB195 WHI	VPAB197 WHI
	Flat Angle Down VPAB196 WHI	

Cable Retainer	Screw Fixing Kit	Screening Divider

DIVIDER

CABLE

VP105 WHI 50
CABLE RETAINER

VTSAB1000 WHI 20
SCREW FIXING KIT

VP30** 15m
1.5M SCREWING DIVIDER

VX31 10
300 MM SCREEN CONNECTING CABLE

VX32 10
500 MM SCREEN CONNECTING BRAID

VX33 10
500 MM SCREEN CONNECTING CABLE

**Cable not included

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Premier System

- **END CAP**
- **INTERNAL COUPLER** Links adjacent lengths of trunking together
- **JOINT COVER** Masks cut ends and junctions between individual lengths of trunking
- **OUTLET BOX** 2 Gang With 13 cable entry locations
- **CABLE RETAINER** With hinged-open facility to act as a cable tray during installation / retrofit.
- **INTERNAL CORNER**
- **WALL PLATE** For internal corner eliminates need to mitre.
- **OUTLET BOX** 1 gang with 13 cable entry locations
- **MC8 / RCD Housing**
- **FLANGE COUPLER** acts as a butt joint interface between trunking and other electrical equipment
- **CABLE DIVIDERS** for segregation of services
- **EXTERNAL CORNER** eliminates need to mitre

Product Code:
NCT1050 100mm(H) x 50mm(D) - 4 Compartments*
NCT5050 50mm(H) x 50mm(D) - 2 Compartments*

*4 Compartments
(Maximum 3 cable dividers can be used)
*2 Compartments
(Only Single cable divider can be used)

Standard Length	: 3 meters
Material	: PVC-U
Colour	: White
Thickness	: 2.5mm
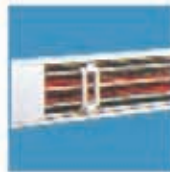
Cable retainer to avoid sagging of cables

Moulded flat cross available for distribution trunking

Reducers are used to connect different sizes of trunking

Internal and external corners

Advanced Integrated Cable Management

Premier is an advanced integrated Cable Management System for general cable distribution. This modern system provides the means not only to distribute but also to access power, data and communication services throughout a building.

Premier has been designed for surface mounting and includes standard tees, angles, joints and four-way junctions, making it ideal for continuous installations.

The system has specially designed mounting boxes that accept standard MK Wiring Accessories and include telecom and data outlets. Designed with clip-on dividers allowing for multiple compartments.

Features

- Premier has a wide range of integrated components that maximize the versatility of applications
- The system has specially made mounting boxes that snap-fit the profile throughout the length. These boxes accept Wiring Accessories making easy installations.
- Premier can be sub-compartmentalised, using clip-on cable dividers and retainers, integrating multiple services safely and efficiently

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Premier System

NCT 5050

NCT 1050

Chemical Resistance

Premier is non-corrosive and not affected by sea water. It has excellent resistance to mineral acids, alkalis and detergents. Good resistance to alcohol but liable to attack from solvents such as ketones, aromatics and hydrocarbons.

Electrical

Premier is non-conductive

Dielectric Strength: 40 kW/mm in DBP

17 kW/mm in TX Oil

Volume Resistivity: $>10^{14}$ ohms at 50% RH & $23^{\circ}C$

Thermal Properties

Premier is designed to accommodate local thermal expansion and contraction when installed in accordance with the Installation Guide.

Coefficient of linear expansion

5.5×10^{-5} per $^{\circ}C$ (6mm/400mm with a temperature rise of $25^{\circ}C$)

Operating temperature   : $-5^{\circ}C$ to $60^{\circ}C$

Vicat softening point   : $81^{\circ}C$

Thermal conductivity   : 0.19 w/m/$^{\circ}C$

Workability

Premier is lightweight and can be readily cut and drilled with hand tools. Covers and accessories are manufactured to fine tolerance to ensure a tight fit with ease of removal.

Durability

Premier is resistant to vermin and termites. It is stable and will maintain its performance characteristics under the terms and conditions described above.

Maintenance

Clip-on covers constant accessibility for rewiring extensions and modifications to an installation.

Covers and accessories can be cleaned with water and household detergents. The surface can be decorated with commercial paints if necessary.

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Premier System - NCT 1050 and NCT 5050

Commercial Dado Trunking
3 metre

List No. NCT/1050
100(H) x 50(D)mm

Industrial Feeder Trunking
3 metre

List No. NCT/5050
50(H) x 50(D)mm

Cable Divider
50mm Deep
3 metre

List No. NVS/50

Cable Retainer
Moulded

List No. NBP/100

Cable Retainer
Moulded

List No. NBP/50

Internal Couplers
Moulded

List No. NCI/5050
NCI/1050

External Angles 90°
Moulded

List No. NAE/5050
NAE/1050

Flat Angles 90°
Moulded

List No. NAF/5050
NAF/1050

Flat Cross
Moulded

List No. NCU/5050
NCU/1050

Internal Angles 90°
Moulded

List No. NAI/5050
NAI/1050

Joint Cover
Moulded

List No. NJC/5050
NJC/1050

Internal Angles 135°
Fabricated

List No. NMI/5050
NMI/1050

External Angles 135°
Fabricated

List No. NMO/5050
NMO/1050

1 To 3 Module Mounting Box

List No. NSB/1T3I

4 To 5 Module Mounting Box

List No. NSB/4T5I

8 Module Mounting Box

List No. NSB/8I

External Tees 90°
Fabricated

List No. NTE 5050
NTE/1050

Flat Tees 90°
Moulded

List No. NTF/5050
NTF/1050

Internal Tees 90°
Fabricated

List No. NTI/5050
NTI/1050

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Premier System - NCT 1050 and NCT 5050

End Caps

Moulded

List No. NEP/5050
NEP/1050

1050 Spacer

for Premier Boxes

List No. NSP/100

Under Box Divider

1 - 3 Module

List No. NUB501WHI
(Used to maintain Cable Segregation behind socket outlets)

Under Box Divider

4- 5 Module

List No. NUB502WHI
(Used to maintain Cable Segregation behind socket outlets)

Reducer

NCT 1050 to NCT 5050
50 x 50mm
Fabricated

List No. NTR/41

Wall Plates For Internal Angle

Moulded

List No. NWP/5050
NWP/1050

MCB/RCD Housings

List No. NMH/100

Premier Technical Data

Premier Cable Management system is made in accordance with the requirements of BS 4678 Part 4 Heavy Duty Classification and BS 4662.

Manufacture / Fabrication

Trunking and cable dividers are extruded. Internal couplers, stop ends, joint covers, most outside, inside and flat angles, all flat tees, cable retainers and accessory boxes are moulded. Outside and inside tees, flange couplers, reducers, partition wall covers and 45 degree flat, outside and inside angles are factory prefabricated.

Appearance

The extruded components with the exception of lid, have a standard white semi-matt finish. The lid is extruded with a contrasting linear surface pattern. The moulding components are similar in standard white finish, and the lids have a textured finish.

Shape and Size

Premier Trunking is available in both rectangular and square cross sections. It comes in two sizes.

Strength

High impact resistance under normal climatic conditions. Charpy notched impact strength : 25 KJ/m²
Tensile strength : At yield 34.62 N/mm²
At break 42.00 N/mm²
Density : 1.35 to 1.45

Fire

The material used are non-flame propagating and a Class 1 spread of flame achieved when tested in accordance with the requirements of BS 476 Part 7.

Norwich System

Product Code	: NBT 4 100mm(H) x 40mm(D) (Single Compartment)
Standard Length	: 3 metres
Material	: PVC-U
Colour	: White
Thickness	: 2.5 mm

Features

- Norwich is safe, sturdy, durable, easy to assemble and install.
- Norwich system is designed to accept specially made mounting frames, that snap-fit onto the profile.
- The special design of Norwich base and clip-on cover, ensures that the system is steady in its place.
- Easy to add accessories are available
- Used in Schools, Offices & Commercial installations, because of its durability & the facility to retrofit extra sockets & outlets as required.

A Sleek, Safe and Sturdy Solution

Norwich is a sleek, safe, sturdy and easy to use Cable Management system. Norwich with an inside cross section area of 3230 sq.mm provides for large cable carrying capacity.

The sturdiness of Norwich makes it ideal for both wall and ceiling mounting.

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Norwich System

Single Compartment Trunking 3 metre	Flat Angle	Internal Angle 90°	External Angle 90°	Flat Tee
List No. NBT/4 100(H) x 40(D)mm	List No. NAF/4	List No. NAI/4	List No. NAE/4	List No. NTF/4
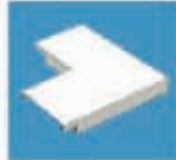
Internal Coupler	1 To 3 Module Mounting Frame	4 To 5 Module Mounting Frame	End Cap
List No. NCI/4	List No. NSO/1T3I	List No. NSO/4T5I	List No. NEP/4

Norwich Technical Data

Norwich Cable Management system is manufactured in accordance with the requirements of BS 4678 Part 4. It fully complies with the 16ᵗʰ Edition of IEE Wiring Regulations.

Manufacture

Trunking and lid are extruded. Flat angle, Flat tee, Internal angle and External angle are fabricated. Socket mounting frames and End caps are moulded.

Appearance

The extruded components have a standard white semi-matt finish. The moulding components are similar in appearance to the main body in standard white finish.

Strength

High Impact resistance under normal climatic conditions.

Charpy notched impact strength : 25 KJ/m²
Tensile strength :At yield 34.62 N/mm²

At break 42.00 N/mm²
Density :1.35 to 1.45

Fire

The material used are non-flame propagating and a Class 1 spread of flame achieved when tested in accordance with the requirements of BS 476 Part 7.

Chemical Resistance

Norwich is non-corrosive and not affected by sea water. It has excellent resistance to mineral acids, alkalis and detergents. It offers good resistance to alcohol but liable to attack from solvents such as ketones, aromatics and hydrocarbons.

Electrical

Norwich is non-conductive

Dielectric Strength : 40 Kw/mm in DBP 17 Kw/mm in TX Oil
Volume Resistivity: >10¹⁴ ohms at 50% RH and 23°C

Thermal Properties

Norwich is designed to accommodate local thermal expansion and contraction when installed in accordance with the installation guide.

Co-efficient of linear expansion:

5.5×10^{-5} per°C (6mm x 4000mm with a temperature of 25°C)

Operating temperatures : -5°C to 60°C

Vicat Softening point : 81°C

Thermal conductivity : 0.19 w/m/°C

Workability

Norwich can be readily cut and drilled with hand tools

Durability

Norwich is resistant to vermin and termites. It is stable and will maintain its performance characteristics in accordance with the terms and conditions described above.

Maintenance

Clip-on covers provide continuous accessibility for rewiring extensions and modifications to an installation.

Covers and accessories can be cleaned with water and household detergents. The surface can be decorated with commercial paints if necessary.

Cable Management System - Wall

New

Mini Trunking

Mini trunking 32x12.5mm
(2 mtrs standard length)

List No. YT200WHI

Mini trunking
Flat tee

List No. YTF200WHI

Mini trunking
coupler

List No. YC200WHI

Mini trunking
end caps

List No. YEP200WHI

Mini trunking
Internal angle

List No. YAI200WHI

Mini trunking
external angle

List No. YAE200WHI

Mini trunking
Flat angle

List No. YAF200WHI

MK introduces mini trunking 32x12.5mm size of extruded PVCu sections for the containment of electrical and data cabling for surface wiring. The products are ideally suited for refurbishment as well as new installation projects, both in the domestic and commercial sectors.

Features:

- Easy to assemble and install
- Durable and impact resistant
- Speed fix options allow fast installation
- All extrusions manufactured from 90% recycled material*
- Accessories like end caps, couplers and angles for support

Profile details:

- Standard Length: 2mtrs
- Size: 32mm wide x 12.5mm depth
- Material: u PVC

List No.	Description	UOM
YT200WHI	Mini Trunking 32mm X 12.5mm	Mtrs.
YTF200WHI	Flat Tee	Nos.
YC200WHI	Coupler	Nos.
YEP200WHI	End Cap	Nos.
YAI200WHI	Internal Angle	Nos.
YAE200WHI	External Angle	Nos.
YAF200WHI	Flat angle	Nos.

Cable Management System - Floor

Underfloor Systems

MK Underfloor Cable Management Systems comprises four basic groups of equipments which can be used together to provide the desired underfloor configuration:

• Underfloor Access Outlets • Underfloor M-Traks • Underfloor Cross Overs • Underfloor Vertical Access Units

The systems are intended for laying on the structural slab prior to the screed being poured. Screeding levels between 60mm and 75mm can be accommodated and a minimum screed cover of 25mm is recommended over the ducting.

MK Underfloor M-Traks and Accessories
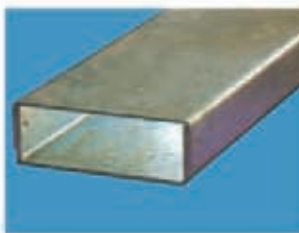
Single Compartment

Double Compartment

Triple Compartment

Jointing Sleeves

Underfloor M-Traks

- Specially treated corrosion proof rectangular profiles for high tensile strength

- Top and bottom plates are double folded and spot welded together to give the required rigidity and at the same time to prevent seepage of concrete or screed water

- Standard thickness : 1.6 mm
- Standard length : 2.5 metres
- Standard depths : 25 mm and 38 mm
- Single, double & triple compartments

- Material : Pre-galvanized sheet steel
- Jointing Sleeves for 25 mm height UMS and 38 mm height UMSX has to be ordered separately
- Triple Compartments designed to accomodate power, data and voice cables when run individually in separate compartments

- **Load bearing capacity**

  Underfloor Traks can withstand a maximum load of upto 1.33 Ton force (metric)*.
  Maximum load measured at 14.01mm deflection.

  *(1 Ton = 98.1 Joules / cm = 9806.7 Kilogram metre / sec² = 9.81 Kilonewton = 1000 Kilogram force).

Underfloor M-Trak - UMD 25 mm depth / UMDX 38 mm depth

List No.	Dimensions (Width x Depth x Thickness)	No. of Compartments
UMD 50/1/6	50 x 25 x 1.6mm	1
UMD 75/1/6	75 x 25 x 1.6mm	1
UMD 100/1/6	100 x 25 x 1.6mm	1
UMD 225/3/6	225 x 25 x 1.6mm	3
UMD 250/3/6	250 x 25 x 1.6mm	3
UMD 300/3/6	300 x 25 x 1.6mm	3
UMDX 50/1/6	50 x 38 x 1.6mm	1
UMDX 75/1/6	75 x 38 x 1.6mm	1
UMDX 100/1/6	100 x 38 x 1.6mm	1
UMDX 150/2/6	150 x 38 x 1.6mm	2
UMDX 225/3/6	225 x 38 x 1.6mm	3
UMDX 250/3/6	250 x 38 x 1.6mm	3
UMDX 300/3/6	300 x 38 x 1.6mm	3

Underfloor Vertical Access Units

Vertical Access Units helps to facilitate easy accessibility from Floor Traks to Wall. This is for connections to Distribution boards or other Floors

List No.	Description	Dimensions
EVB 250/2	Vertical Access Units	250 x 200 x 50mm
EVB 300/2	Vertical Access Units	300 x 200 x 50mm

Vertical Access Units

Access Outlet

ESB 250 x 250/3/1 60-75 mm

- MK ESB 250 Access Outlets are made of very high quality materials to withstand heavy load and corrosion

- The trap frame and trap are made of flame retardant ABS and Polyamide ratchet for strength and durability

- The trap frame is designed for quick installation and leveling with **patented screwless ratchet bar level adjustment system** for self adjusting to any floor finish thickness

- Trap frame can be easily removed by pulling either one of the nylon bar to detach and remove the unit for servicing or installation of accessories to save installation and servicing time

- The carpet trim trap frame is designed to protect carpet from damages and give the floor area added aesthetic

- Trap lid is a screwless knob hinged design for quick mounting onto the frame requiring minimum maintenance

- Trap cover is reinforced with a 2.5 mm thick pre-galvanised steel plate to provide rigidity and added strength

- Cables are guided by cable retainers through generous cable outlet which open automatically and lock into position when cable are present.

- Cables emerging from Service Boxes shall be protected against damage by means of Cable Exit Grommets

- Strong and durable trap lifting handle is made of similar colour material and has a special design for easy lifting, even with large fingers

- Access Outlets base unit is made of high quality pre-galvanized steel and high-pressure die-cast alloy pillars for supporting the trap frame and side blanks

- Brass terminal for earthing connection is provided

- Accessory mounting plates are available for power, data and telephone wiring devices

- Four side blanks are made with removable perforations to suit ducts installation

- Standard box size is 250 x 250 x 60-75mm in three compartments and has a recess of 8mm for carpet installation

- Standard box can accept Traks upto 225 x 25mm or 225 x 38mm

- Load bearing capacity

  Access Outlets can withstand a maximum load of upto 2 ton force (metric)*. Maximum load measured at 12.23mm deflection.

Features

- Trap Frame & Trap made of flame retardant ABS & Polyamide
- Patented Screwless Bar level adjustment for self-adjusting to any floor finish
- Screwless knob hinged design on the trap lid
- Trap cover is reinforced with 2.5mm thickness steel plate to withstand upto 2 tons of load on the trap
- Supported by base unit made of high quality Pre-galvanised steel and High-pressure die cast alloy pillars on all four corners.
- Cable retainers to easily guide cables
- Cable Grommets with high quality, durable foam to prevent entry of dust when opened
- Removable Perforations to run traks of 25mm & 38mm
- Cable Exit Grommets can be closed when not in use

Access Outlet

Underfloor Access Outlets

List No.	Description
ESB 250/3/1	250 x 250 x 60-75mm 1 Trap 3 compartments
ESB 300/3 GIE	300 X 300 X 60-75mm 1 Trap 3 compartments (Metal Lid)

Raised floor Access Outlets

List No.	Description
91506 GRY	250 x 250 x 80mm 1 Trap 3 compartments

Note: Access Outlets are also called as Service Outlets/Service Box.

(1 Ton = 98.1 Joules / cm = 9806.7 Kilogram metre / sec² = 9.81 Kilonewton = 1000 Kilogram force).

ESB 300 x 300/3/1 60-75 mm (GIE)

- Manufactured from high-pressure die cast material for strength &durability.

- The Trap lid is made of Galvanized Iron (GIE) for strength & durability.

- The Base Frame is cast in one piece without any joint to give the required strength, rigidity and corrosion proof.

- The Trap Frame can be easily opened by pulling the stainless steel hinged typed design on the trap lid. This helps to detach & remove the unit for servicing or installation of accessories.

- The Trap lid can be leveled to match with screed / floor height by adjusting the leveling screw on all the four corners.

- Trap cover is made of a 2.5mm thick pre-galvanized steel plate to provide rigidity & added strength. Trap lid to have a screwless knob-hinged design for quick mounting on to the frame requiring minimum maintenance.

- The Trap cover has 8mm recess for installation of carpet and tiles.

- The Trap frame & Traps are Epoxy Coated to provide enhanced protection on visible parts against chemical or saline corrosion.

- Strong and durable trap lifting handle on the trap cover helps for easy lifting, even with large fingers.

- Cables emerging from Access Outlets are protected against damages by means of cable exit grommets which can be reversible when not in use.

- Access Outlet should carry service plates for providing services i.e.: Power, Data & Telecom applications.

- The system must accommodate for a maximum of 250mm width Duct for 300*300 Metal Lid Access Outlet. This is basically to run the mains Voltage & Extra Low Voltage cables.

- The system has Positive Double earthing connections. Earth wire connectors are provided in all the boxes, and complies with the requirement of current IEE regulation.

- The complete system must have excellent protection against rust.

- Four side blanks are made with removable perforations to suit ducts installation.

- Standards & Approvals - The system complies to the relevant specification & IEC 61084 standards.

MK by Honeywell

Access Outlet

Access Outlet-Trap Lld & Trap Frame

Trap cover is 8 mm recessed for installation of carpet & tiles

Made of flame retardant engineering plastic

Trap cover reinforced with 2.5 mm thick pre-galvanised steel plate to provide rigidity & added strength

Trim trap design to protect carpet from damages and give the floor area added aesthetics

Epoxy coated to give enhanced protection on visible parts against chemical or saline corrosion

Can withstand load of upto 2 tons on the trap

Patented screwless ratchet bar level adjustment system for self - adjusting to any floor finish thickness

Screwless knob hinged design with strong & durable trap lifting handle

Cable grommet openings with durable and high quality foam to prevent ingress of dust when opened and can be closed when not in use.

Access Outlet

ESB 250/3/1

Ratchet on base frame to hold the trap and self - adjust to any floor finish

Data plate to mount computer jacks

Power plates to mount BS conversion frames and accessories

High-pressure die-cast alloy pillars to withstand 2 tons load.

Positive double earthing connections

Removable side blank

High-pressure die-cast alloy pillars on all 4 corners to withstand 2 tons load.

Side blanks with removable perforations to accept traks, of 25 mm or 38 mm depth.

3 Compartments to run Mains voltage & ELV cables

Access Outlet

Raised Floor Access Outlet

91506 GRY

Nylon pull bar to easily detach the trap frame for servicing or installation of accessories

Bracket for mounting Data plate & Power plate

80 mm

Cable retainers with generous cable outlet which open automatically & lock into position when cables are present

Easily removable knock-outs for cable entry

Cross Over

Cross Over

EJB 250/3

Trap cover is 8mm recessed for installation of carpet and tiles

Stainless steel screw for extra protection

Trap frame is epoxy coated to give enhanced protection on visible parts against chemical or saline corrosion

High Pressure die-cast pillars

Positive double earthing connections

Adjustable levelling screws on all 4 corners

Flyover unit to avoid criss - crossing of cables

Epoxy coated to give enhanced protection on visible parts against chemical or saline corrosion

4 Side blanks with removable perforations to accept traks of 25 mm or 38 mm depth

BS Conversion Frame
(To mount Switch - Socket / Accessories)

26391S - 1M   26392S - 2M   26393S - 3M

MK by Honeywell

Underfloor Cross Over
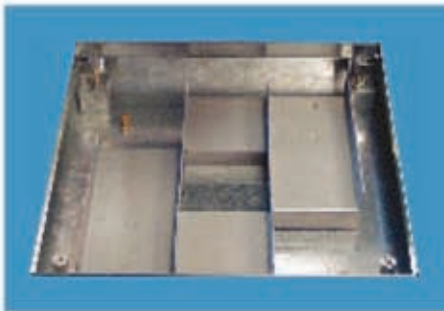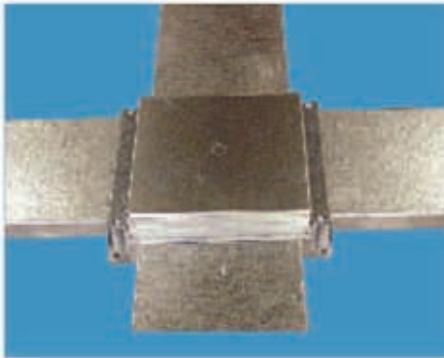
- MK Cross Overs are made up of very high quality materials to withstand heavy load and corrosion

- Trap cover is made of a 2.5mm thick pre galvanised steel plate to provide rigidity and added strength

- The trap cover have 8mm recessed for installation of carpet and tiles

- Cross Overs base unit is made of high quality Pre-galvanised steel and High-pressure die-cast alloy pillars for supporting the trap frame and side blanks

- The flyover unit, trapframe and traps are epoxy coated to give enhanced protection on visible parts against chemical or saline corrosion

- Trap cover screws are made from Stainless Steel for extra protection

- Brass terminal for earthing connection is provided

- Four side blanks are made with removable perforation to accept Traks of upto 38mm height (UMD or UMDX)

- The one piece base frame design ensures minimum openings to prevent concrete seepage into the box during casting of concrete or screeding

- **Load bearing capacity**

  Cross Overs can withstand a minimum load of 3.6 Ton force (metric).
  * Maximum load measured at 14.82mm deflection.
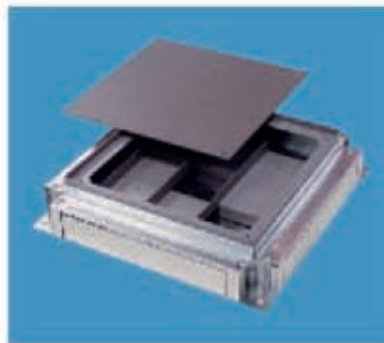
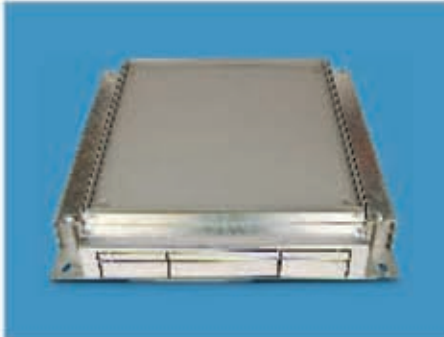**Underfloor Cross Overs (1 Trap with 3 Compartments)**

List No.	Description
EJB 250/3	250 x 250 x 60-75mm
EJB 300/3	300 x 300 x 60-75mm
EJB 350/3	350 x 350 x 60-75mm
EJB 400/3	400 x 400 x 60-75mm

Note : Cross Overs are also called as Junction Box

*(1 Ton = 98.1 Joules / cm = 9806.7 Kilogram metre / sec^2 = 9.81 Kilonewton = 1000 Kilogram force)

Junction Box

- GI Junction boxes suitable for metal and aluminium trunking with duct entry of 25mm and 38mm

- Trap cover is made of a 2.3mm thick pre galvanised steel plate to provide rigidity and added strength

- Epoxy coated trap lid to prevent any rust accumulation on the exposed parts

- Smooth curves on all the 4 sides of the pillars to ensure safety of Cat 6 cables, when pulled

- Excellent load bearing capacity of 3.6 tons on the trap lid

- Adjustable levelling screws on all 4 sides to match any floor finish

Smooth Curve

List No.	Description
JB150	150mm x 150mm x 60 - 75mm depth
JB250	250mm x 250mm x 60 - 75mm depth
JB300	300mm x 300mm x 60 - 75mm depth
JB350	350mm x 350mm x 60 - 75mm depth
JB400	400mm x 400mm x 60 - 75mm depth

Underfloor Aluminium Trunking
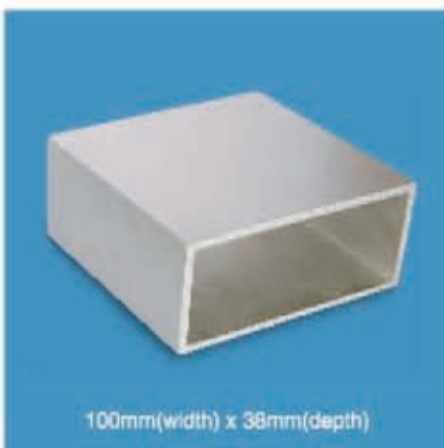
- Extruded corrosion proof aluminium sections for smoother cable carrying applications

- Box type section, free from any types of welding to prevent seepage of concrete water or rust accumulation

- Smooth edges ensure easy pulling of power and Cat 6 cables

- Installation friendly with easy to cut and easy to shift features

- Free from any electro magnetic interface or data loss

- Standard thickness : 1.6mm

- Standard length : 2.5 mtrs

- Standard depth : 38mm

- Available in single compartment

100mm(width) x 38mm(depth)

List No.	Description
ALM 100/1/6	100mm(width) x 38mm(depth) Single compartment

*(1 Ton = 98.1 Joules / cm = 9806.7 Kilogram metre / sec² = 9.81 Kilonewton = 1000 Kilogram force)

Cable Management System - Floor

Cable Link Plus Screed System

Service Outlet Box

TESTED TO pr EN50085-2-2 TO ACCEPT 5000N LOAD

ROBUST CORD CAPS
- Designed to improve retention

HANDLE
- Designed for improved accessibility

OPTIONAL LOCKABLE LID
- Added security when not in use

LID
- Simple carpet cut out
- 8mm or 12mm recessed lids available
- Can be hinged from either of two sides

CABLE RETAINERS
- Supplied as standard

SQUARE BOX OPTION
- 90° rotation of floorbox for system flexibility

RATCHET LEVELLING SYSTEM
- Self levelling and rapid fitting of frame and lid

OPTIONAL LID TETHER
- Added security
- Eliminates lid losses

STAGGERED PLATE
- Provides strain relief clearance for moulded plug tops

COMPARTMENT SEGREGATION

OUTLET BOX
- Option of two screed depths: 53-80mm & 80-110mm
- Flat sided base design ensures a stronger screed solution and faster taping
- Optional 10mm plate height adjuster kit for greater screed depths to support Cat 6 compliance
- IP2X rated in accordance with BS EN50085-1

BASE FIXING FEET
- Fast fix installation

- Tested to pr EN50085-2-2 to accept 5000N load

- The system incorporates numerous design features to ensure a fast and simple installation

- Designed to support Cat 6 structured cabling systems

- Suitable for screeded depth from 53mm to 110mm

- Floor boxes are IP2X rated in accordance with BS EN50085-1

- Choice of 1, 2, 3 or 4 compartment floor boxes

- Self Closing lid in accordance with draft IEC 61534-22

- Wide range of power and data accessories available to meet all requirements

- Quality, reliability and safety come as standard

- Provision of RCD protection supports compliance with 17th Edition Wiring Regulations

- 5 year guarantee

List No.	Description
CUB265-3GRY	Access outlet 265 x 265 x 53 - 80 mm 3 compartment

MK
by Honeywell

Onix Plus Screed System

Onix Floorbox with Snorkel Cord Outlet Lid

IP44 WET WASH
- Unique cord outlet design allows floor to be washed even when Floorbox in use

SNORKEL CORD OUTLET
- Robust design
- Commando?

ATTRACTIVE, AESTHETIC LIDS
- Stylishly designed

BRUSHED STAINLESS STEEL PLATE
- Is it stainless plus rusting?

ROBUST LOAD PLATE
- High load bearing performance
- Ideal for areas of heavy foot traffic

"SQUARE" BOX OPTION
- For 90° rotation of floorbox for system flexibility

STAGGERED PLATE
- Ensure strain relief for moulded plug tops

COMPARTMENT SEGREGATION

BASE FIXING FEET
- For a 'fast-fit' installation

CONVERSION KIT AVAILABLE
- Converts junction box to service outlet box

OUTLET BOX
- Screed depth: 80 - 110mm
- Flat side base design ensures a stronger screed solution and faster taping
- Optional "height adjusting kit" for greater screed depths to support Cat6 compliance

DESIGNED FOR USE WITH THE CABLELINK PLUS SCREED DUCTING SYSTEM

- Stylish and subtle
- Robust
- IP44 wet wash capable - even when in use
- Designed to support Cat 6 structured cabling systems
- High load bearing - 10000N
- Lid options include, snorkel, cord caps and plain
- Selection of lid recess depth available, allowing for various floor depths
- Accommodates a broad range of power and data accessories.
- Quality, reliability and safety come as standard

List No.	Description
NXLSB 265-3	Access outlet with snorkel lid 15mm recess 265 x 265 x 80 - 110 mm 3 compartments with base and accessory plates

MK by Honeywell

Popup Box

New

- Copper and aluminium-alloy material

- Super slim base box design

- No vibration on socket modules when lid popped up to ensure stability and enhance safety and lifespan

- Modular Design with provision for 6 modules – 2 6amp sockets/1 switch/1 RJ45 is the ideal combo

- Ideal for application in table tops and floor

- **Dimensions : 125mm*125mm*60mm depth**

- Colour : Brushed Steel and Gold finish trap cover

- Press button opening of the lid

- The lid can be closed to the point of the plug top, when in use

- Positive earthing terminals will be provided at the back box

List No.	Description
EPO/2BS	Popup box with brushed steel finish
EPO/2GLD	Popup box with gold finish
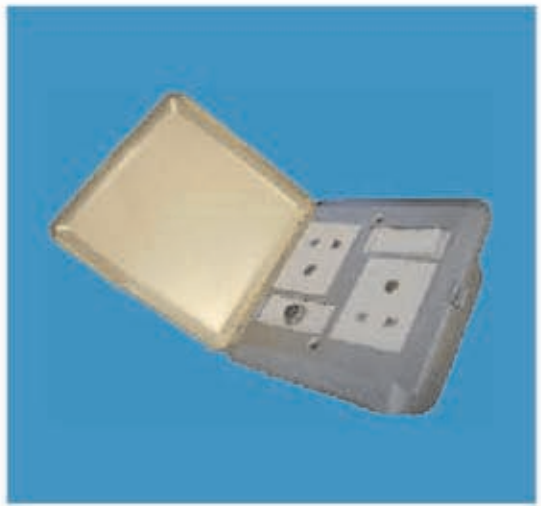
Underfloor Product Matrix

| M-Traks	Jointing Sleeves	Cross Overs / Junction Box	Access Outlets	Vertical Access Units
UMD 50/1/6	UMS 50	JB150	ESB250/3/1 / CUB265-3 GRY	EVB250/2
UMD 75/1/6	UMS 75	JB150	ESB250/3/1 / CUB265-3 GRY	EVB250/2
UMD 100/1/6	UMS 100	JB150	ESB250/3/1 / CUB265-3 GRY	EVB250/2
UMD 225/3/6	UMS 225	EJB250/3 / JB250	ESB250/3/1 / CUB265-3 GRY	EVB250/2
UMD 250/3/6	UMS 250	EJB300/3 / JB300	ESB300/3 GIE	EVB300/2
UMD 300/3/6	UMS 300	EJB400/3 / JB400	-	-
UMDX 50/1/6	UMSX 50	JB150	ESB250/3/1 / CUB265-3 GRY	EVB250/2
UMDX 75/1/6	UMSX 75	JB150	ESB250/3/1 / CUB265-3 GRY	EVB250/2
UMDX 100/1/6	UMSX 100	JB150	ESB250/3/1 / CUB265-3 GRY	EVB250/2
UMDX 150/2/6	UMSX 150	EJB250/3 / JB250	ESB250/3/1 / CUB265-3 GRY	EVB250/2
UMDX 225/3/6	UMSX 225	EJB250/3 / JB250	ESB250/3/1 / CUB265-3 GRY	EVB250/2
UMDX 250/3/6	UMSX 250	EJB300/3 / JB300	ESB300/3 GIE	EVB300/2
UMDX 300/3/6	UMSX 300	EJB350/3 / JB350	-	-
UMDX 300/3/6	UMSX 300	EJB400/3 / JB400	-	-

## Access Outlet Installation
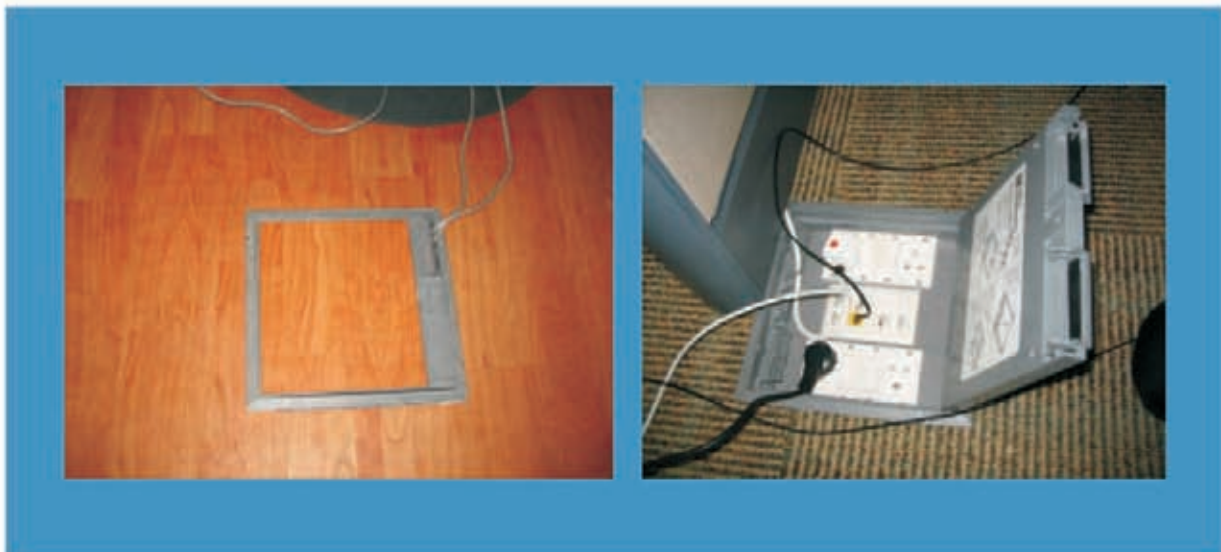
Layouts and Planning

Layout

In order that the installation may exhibit the desired flexibility the Traks are usually laid out on a Grid/Fishbone/Comb pattern on single or triple compartments Traks with accessories.

Grid pattern

Fishbone pattern
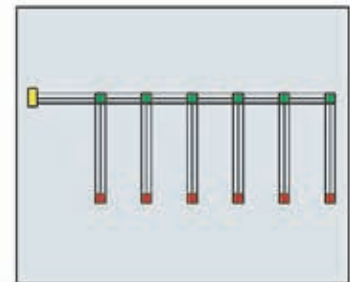

Comb pattern
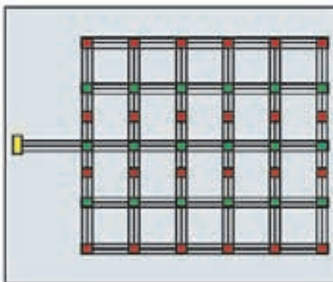
Grid Pattern is widely used in areas where the occupants require a good degree of flexibility in reorganizing work areas. Capacity can be increased by returning individual ring mains through different runs of Traks this assists in easier installation.
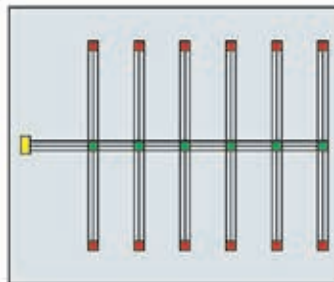
The Fishbone Pattern is ideal for a medium sized area where minimum services are required.

The Comb Pattern is the most economical way of installation wherein less Traks are used. It offers an extremely cost effective solution.

- 🟩 Cross Overs
- 🟥 Access Outlets
- ▯ M-Trak
- 🟨 Vertical Boxes

Planning

In designing the Underfloor Cable Management Systems, it is essential to take into account the following:

- Introduction of traks begin at the Distribution board of the Floor concerned
- Determine the services, capacity of Traks and the Access Outlets / Cross Overs to be laid
- Traks should be laid onto level of structural slab and it requires minimum 25mm screed to cover
- In long runs of Traks, access should be provided by using Cross Overs as drawn-in Outlets
- Distance between two Cross Overs must not exceed 6 meters
- Traks are to be incorporated along walkaways to provide greater flexibility for future service requirements

Cable Management System - Floor

Step by Step Installation Guide

Cross Over Installation
Standard Package will include Throw-away lid.

1
Determine Floor Box location and flyover direction.

2
Cut off the pre-punched knockouts at the side blank plate

3
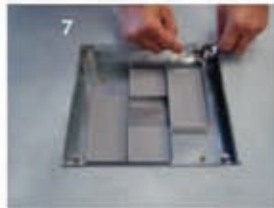Align the trap frame bracket with the side blank plate

4
Fasten the trap frame, side blanks & ensure all the ductings and junction boxes are secured

5
After screeding is cured, use a hammer & gently remove the disposible lid

6
Remove the frame and trap by loosening the four corner

7
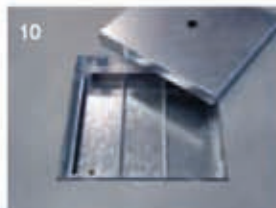Adjust the leveling screws to the screeded or desired level. Secure both frame & trap simultaneously

8
Finished installation without the carpet
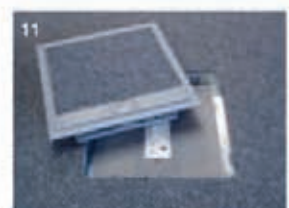
Access Outlet Installation
Standard Package will include Throw-away lid.

9
Service Box Set. Part 1 installation, follow steps 1 - 5

10
Ensure that the base box is free from cement or dirt. Now install accessory plates using self-tapping screws.

11
Ensure that the plates are secured properly to that trap. Depress the ratchet bars on both sides & gently push down

12
A finished floor with carpet

13
To convert the trap suitable for tile application, cut the tile according to the size of the trap.

14
If tile is thicker than the recess, grinding is necessary. Remove the throw-away lid and install the frame & trap

MK
by Honeywell

STANDARDS AND APPROVALS

The system complies to the relevant specification, i.e., BS 4678, SS 249 and IEC 61084. In addition, MK floor outlet boxes comply to a stringent load test requirement.

TECHNICAL SPECIFICATION

Material : ABS, Polyamide and Galvanised Steel

Strength : The floor outlet boxes are capable of resisting minor accidental load only when rigidly supported under the outer rim of the cover frame. They are not intended for use in areas subject to access floor design loads. Specific details are available on request.

Fire : The outer casing of the floor outlet box is manufactured from metal and is non-combustible.

Chemical Resistance : Non-corrosive

Water Absorption : The floor outlet boxes are for use in situations where the cleaning method does not result in the formation of pools of liquid or soaking of the floor surface.

Degree of Protection: Enclosure classification IP 20, when installed in accordance with the instructions set out in the installation guide.

Ambient temperature range		
	Min	Max
Handling & storage	-5°C	60°C
During installation	-5°C	60°C
Operating	-5°C	40°C

(Average not to exceed 35°C in any 24 hour period)

INSTALLATION

The Floor Outlet Boxes are designed to be located within the depth of the access floor. Whilst the number and location of the boxes will depend on the user's requirements, as general guide, the minimum recommended distribution is one floor box for every 10 m box per 4 m being the likely maximum. These figures are approximately equivalent to boxes sited on a two dimensional grid of 3000 mm and 2000 mm respectively.

Normally it is desirable not to have an outlet further than 1600 mm from the equipment being served. However this can be extended in case where the outer box is used to feed desk or screen mounted power supply with integral outlets.

All floor outlet boxes must be completely fitted out with made up modules prior to use. If the user's requirements are precisely known, this will not present any problem. However, floor boxes are interchangeable and can be easily and quickly relocated to service particular items of equipment. This is done by unplugging a box and then relocating box and floor panel completely.

MK by Honeywell

FDS Traks Cable Capacity Guide Chart

Cross Section area (sq.mm) of Cables	Number of Cables						Solid Conductors	
	UMD - 25mm							
	50 / 1 / 6	75 / 1 / 6	100 / 1 / 6	225 / 3 / 6	250 / 3 / 6	300 / 3 / 6	Compartment Factor	
	450	675	900	1997	2219	2663		
							Cable Factor	
1.5	38	57	76	169	188	225	7.1	
2.5	26	40	53	117	131	157	10.2	

	UMDX - 38mm							
	50 / 1 / 6	75 / 1 / 6	100 / 1 / 6	225 / 3 / 6	250 / 3 / 6	300 / 3 / 6	Compartment Factor	
	684	1026	1368	3035	3373	4047		
							Cable Factor	
1.5	58	87	116	257	285	342	7.1	
2.5	40	60	80	179	198	238	10.2	

Cross Section area (sq.mm) of Cables	Number of Cables						Stranded Conductors	
	UMD - 25mm							
	50 / 1 / 6	75 / 1 / 6	100 / 1 / 6	225 / 3 / 6	250 / 3 / 6	300 / 3 / 6	Compartment Factor	
	450	675	900	1997	2219	2663		
							Cable Factor	
1.5	33	50	67	148	164	197	8.6	
2.5	24	36	47	105	117	140	12.6	
4	18	27	36	79	88	105	16.6	
6	12	18	24	52	58	70	22.9	
10	7	11	15	33	37	44	36.3	

	UMDX - 38mm							
	50 / 1 / 6	75 / 1 / 6	100 / 1 / 6	225 / 3 / 6	250 / 3 / 6	300 / 3 / 6	Compartment Factor	
	684	1026	1368	3035	3373	4047		
							Cable Factor	
1.5	51	76	101	225	250	300	8.6	
2.5	36	54	72	160	178	213	12.6	
4	27	41	54	120	133	160	16.6	
6	18	27	36	80	88	106	22.9	
10	11	17	23	50	56	67	36.3	

Wall Trunking Cable Capacity Guide Chart

Cross Section area (sq.mm) of Cables	NCT1050	NCT 5050	NBT 4	Stranded Conductors	
	1775	888	1420	Compartment Factor	
				Cable Factor	
1.5	131	66	105	8.6	
2.5	93	47	75	12.6	
4	70	35	56	16.6	
6	47	23	37	22.9	
10	29	15	23	36.3	

Cross Section area (sq.mm) of Cable	NCT1050 (With Box & Divider)	NCT 5050 (With Divider)
	Stranded Conductors	
1.5	104	59
2.5	74	42
4	50	32
CAT 6 Cables	25	17

Cross Section area (sq.mm) of Cables	NCT1050	NCT 5050	NBT 4	Solid Conductors	
	1775	888	1420	Compartment Factor	
				Cable Factor	
1.5	150	75	120	7.1	
2.5	104	52	84	10.2	

Mini Trunking Cable carrying capacity chart

Cross section area (sq.mm) of cables	No. of Cables
1.5	12
2.5	8
4	6
6	4

Prestige 3D Cable carrying capacity chart

Cross section area (sq.mm) of cables	Cable factor	No. of cables in compartment 1	No. of cables in compartment 2 with mounting box	No. of cables in compartment 3
1.5	8.6	55	31	55
2.5	12.6	36	21	36
4	16.6	27	16	27
CAT 6	42.2	20	12	20

The tables above indicate the cable carrying capacity of Cable Management Systems, based on a 35% utilization factor as recommended by IEE Regulations using PVC-insulated multi-strand cables to BS 6004 - 1969

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Few of our recent Prestigious Installations

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- British Council, Barista, SBI - Delhi
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- ST Micro Electronics. - Noida
- LG Electronics, National Institute of Biologicals - Noida
- Nestle, Gillette, Powergrid, Daksh Com - Gurgaon
- DRDO - Agra
- IIM - Indore
- Quark Media House - Mohali
- G D Goenka School - Haryana
- Oriental Training Institute - Faridabad
- Apollo Pharmacy/Clinic - Salem, Hyderabad, Ahmedabad, Mumbai
- Glaxo Smithkline - Kolkata
- Haldia Petrochemicals - Kolkata
- Wipro - Kolkata
- Bartman (P) Ltd - Kolkata
- Times of India - Kolkata
- CPWD - Income Tax Building, National Informatics Training Centre & GSI - Chennai, Bangalore, Kolkata, Vizag, Ahmedabad
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- Tata Tele Services - Chennai, Delhi, Kolkata
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- Satyam Computers, MRO TEK - Bangalore
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- Microsoft, Motorola, People Soft - Bangalore
- Stock Holding Corporation of India Limited - Bangalore
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- Oracle, Seimens, Digital Global Soft - Bangalore
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- Nicholas Pharma R&D - Mumbai

- Chief Minister Office - Gujarat & Kerala
- Sun, Torrent Pharmaceuticals - Baroda
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- Titan Time Products Ltd - Goa
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- Aditya Birla - Worli
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- United Bank of Scotland - Hyderabad
- Microsoft - Hyderabad & Gurgaon
- IRCON – Delhi
- GENPAC – Kolkata & Jaipur
- ONGC – Mumbai
- Slash Support – Chennai
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