

**Honeywell**



# CABLE MANAGEMENT SYSTEM



GHAR MEIN **HONEYWELL**, TOH LIFE VERY WELL!

# Contents

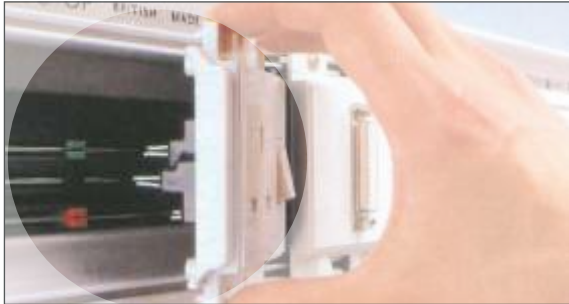
Range Introduction	1	Cable Management System - Floor	16
Cable Management System - Wall	2	Underfloor System	16
Powerlink Plus System	2	New design in screed floor boxes	17
Prestige 3D	4	Access Outlet	18
Prestige 3D Antibac Blue	6	Underfloor Cross Over & Junction Box	18
Prestige 2Com	9	Cable Link Plus Screed System	22
Premier System	11	Step by Step Installation Guide	24
Norwich System	14		
Mini Trunking	15		

## Range Introduction

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



**Prestige 3D** is the three compartment dado trunking from Honeywell 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.

**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 Antibac** is the antibacterial cable management solution for power and data distribution in environments where hygiene is a priority. To further strengthen this offering Honeywell MK has launched **Blenze plus** a range of wiring accessories (switches, sockets & front plates), which offer, protection against microbial contamination/ infection, using new generation anti-bacterial technology. Blenze plus is India's first anti-bacterial flat switch.

**Prestige 2com** trunking is designed to meet the needs of both current and future data cabling. Flexible and robust, the Prestige 2com is also Cat 6 compliant thereby providing maximum capacity for data cabling.



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

### FLOOR



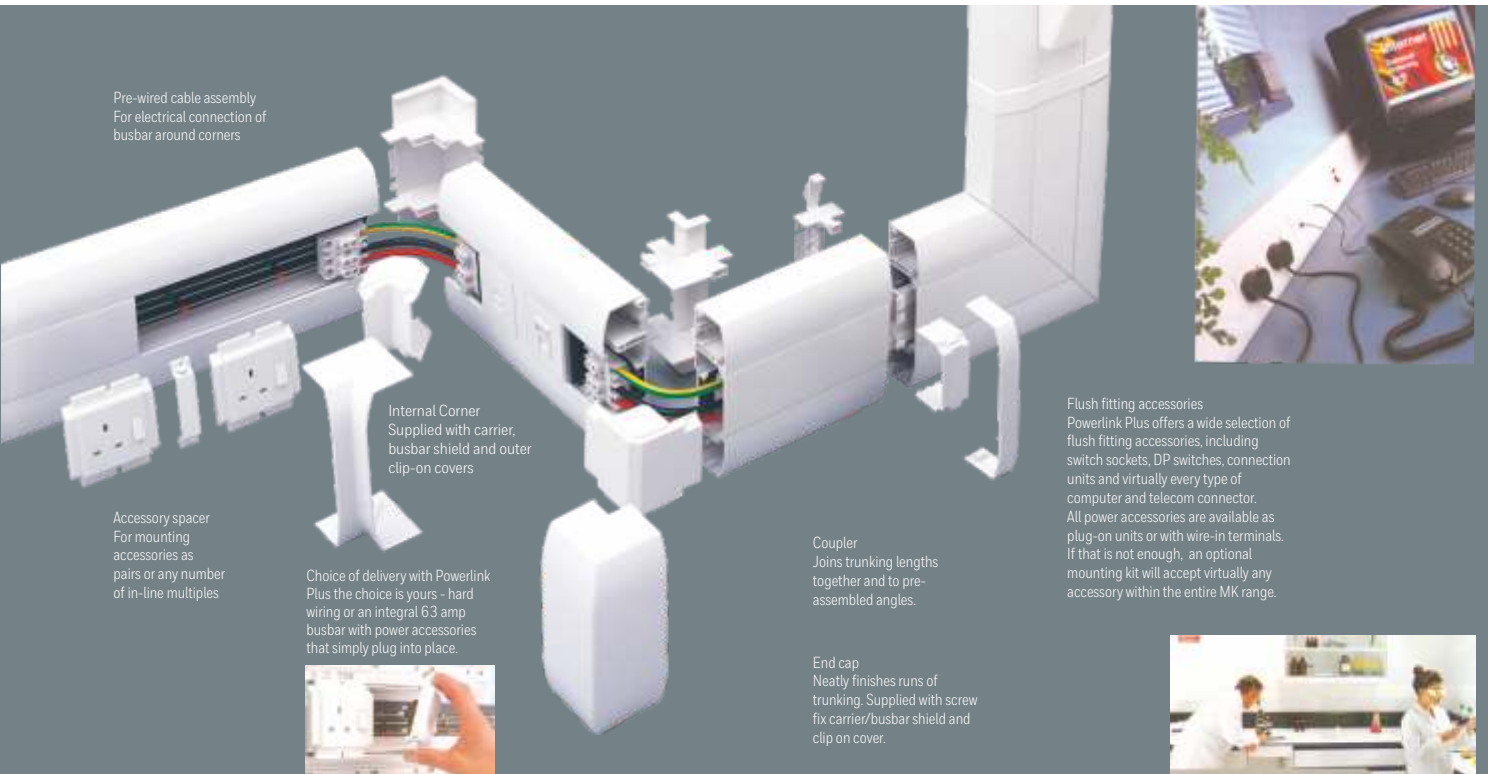
Cable management system is designed to enclose power, telephone and ancillary system service cables, facilitating distribution in commercial and other similar establishments, and is most suited for open plan office layouts and modern building methods which require a versatile arrangement of services for easy installation and flexible use.

Cable management system provides the solutions for such cable management needs on the floor.

Under floor cable management system is intended for laying on the structural slab prior to the screed being poured.

# Cable Management System - Wall

## POWERLINK PLUS SYSTEM



### Power - Any Time, Any Where

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

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.

#### Dado Trunking

with 63 Amps busbars



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

#### Coupler

with busbar shield



List No. K1908 WHI

#### End Caps



List No. K1904 WHI

#### Internal Corner

with busbar shield













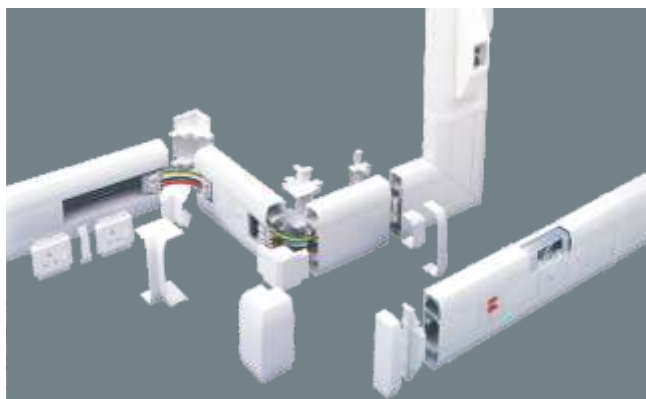
List No. K1905 WHI



# Cable Management System - Wall

## POWERLINK PLUS SYSTEM

<p><b>External Corner</b></p> <p>with busbar shield</p>  <p>List No. K1906 WHI</p>	<p><b>10mm<sup>2</sup> Cable Termination</b> (50 Amps) (3 pole)</p>  <p>List No. 1923</p>	<p><b>25mm<sup>2</sup> Cable Termination</b> (63 Amps) (3 pole)</p>  <p>List No. 1924</p>	<p><b>Busbar Coupler</b></p> <p>(Plug-in)</p>  <p>List No. K1925</p>	<p><b>16mm<sup>2</sup> Cable Link Assembly</b></p>  <p>List No. 1919</p>
<p><b>13 Amps MK Safety Plug</b></p>  <p>List No. 646 WHI</p>	<p><b>13 Amps Switch Socket</b></p> <p>with Pilot Light</p>  <p>List No. 1950 WHI</p>	<p><b>13 Amps Switch Socket</b></p> <p>without Pilot Light</p>  <p>List No. 1951 WHI</p>	<p><b>RJ11 Telephone Jack</b></p>  <p>List No. 1999 WHI</p>	<p><b>RJ45 Computer Data Jack</b> (Category 5e)</p>  <p>List No. 1978 WHI</p>



### Powerlink Plus Technical Data

The Powerlink Plus system allows compliance in all respect with the 16<sup>th</sup> 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. It has good resistance to alcohol but is 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.

# Cable Management System - Wall

## POWERLINK PLUS SYSTEM

### 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

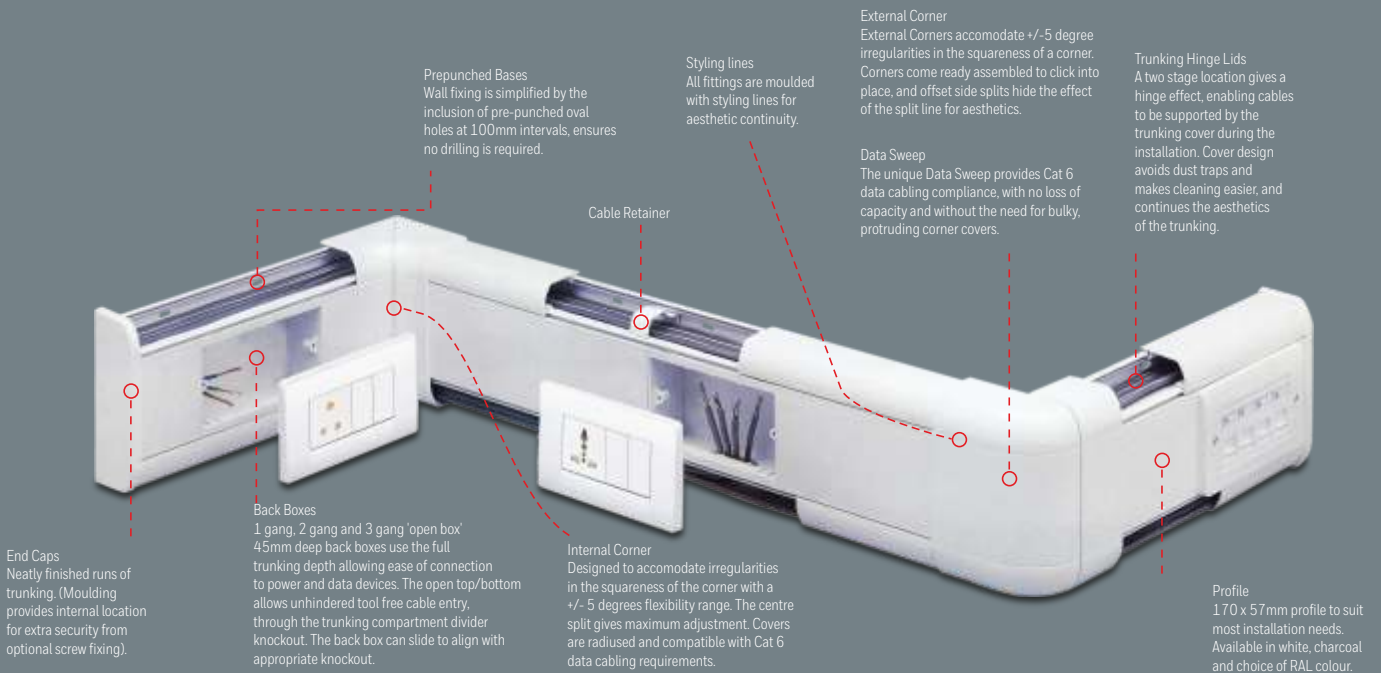
Earth Fault Loop Impedance

L to E 3.47 milliohms / metre run

Prospective current 16.5 kA

"Mechanical withstand 10.0 kA peak min, Thermal withstand 3.6 kA<sup>2</sup> seconds."

## PRESTIGE 3D



# Cable Management System - Wall

## PRESTIGE 3D



Prestige 3D is the gen-next three compartment UPVC trunking from Honeywell 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.

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

**Main Carrier**



List No. VP180 WHI  
3 Metre Lengths

**Straight Cover**



List No. VP100 WHI  
3 Metre Lengths

**Curved Cover**



List No. VP110WHI X2  
3 Metre Lengths

**Flexible Internal Corner**



List No. VP181 WHI

**Flexible External Corner**



List No. VP182 WHI

**End Cap**



List No. VP183 WHI

**Socket Spacer**



List No. VP129 WHI

**1-2 module mounting box**



List No. VP121 WHI  
1-2 module mounting box

**4 module mounting box**



List No. VP122 WHI  
4 module mounting box

**6 module mounting box**



List No. VP123 WHI  
6 module mounting box

**Cable Retainer**



List No. VP105 WHI

**Joint Cover**



List No. VP184 WHI

**Flat Angle**



List No. VP185 WHI

**Flat Tee**



List No. VP187 WHI

**Screw Fixing Kit**



List No. VTS1000 WHI

# Cable Management System - Wall

## PRESTIGE 3D

### Technical Specification

#### CE Marking

All relevant Honeywell MK products in this brochure are CE marked, confirming 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 650°C 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 acids, alkalis and detergents, good resistance to alcohols, but is liable to attack from solvents such as ketones, aromatics and hydrocarbons.

#### Electrical

Prestige 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

Prestige 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



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.

Honeywell MK offers a complete antibacterial solution, by complementing Prestige 3D Antibac Blue with Blenze plus wiring devices. The entire installation will meet all 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. The 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.

#### Features

- >99.9% kill rate against MRSA and Klebsiella pneumoniae
- Unique patent pending fluorescence under UV light, providing customer confidence
- Fully Cat6 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

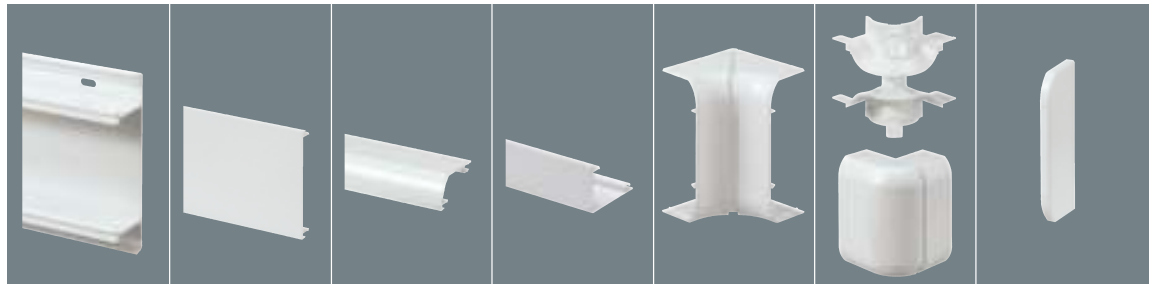




# Cable Management System - Wall

## 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
	3 METERS 6m	3 METERS 30m	3 METERS 30m	3 METERS 30m	2	CONISTS OF COVER AND DATA SWEEP 2	SUPPLIED LEFT AND RIGHT-HAND PAIR 1



VP180 WHI	VPAB100 WHI	VPAB110 WHI x2		VPAB181 WHI	VPAB182 WHI	VPAB183 WHI
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VP180 WHI	VPAB100 WHI	VPAB110 WHI	VPAB115 WHI	VPAB191 WHI	VPAB192 WHI	VPAB193 WHI
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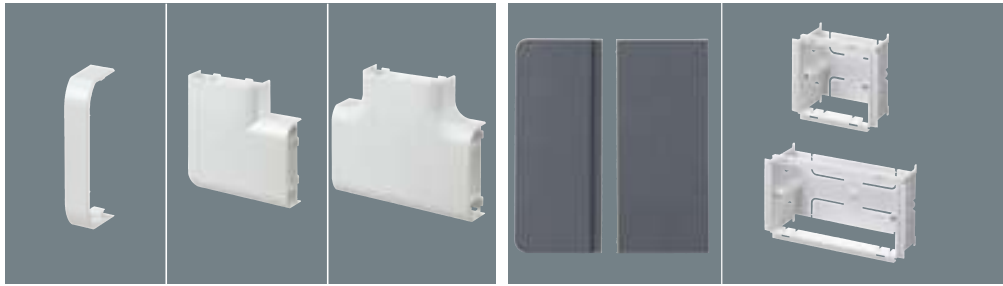
\* Carrier components do not require the antibacterial additive as they have no exposure once the installation is complete. As such, the standard main carrier is sufficient, as are standard back boxes, mounting frames and cable retainers. The carrier components of the External Corner, Flat Angle and Flat Tee are also standard PVCu due to no exposure once installation is complete.

# Cable Management System - Wall

## PRESTIGE 3D ANTIBAC BLUE

### ACCESSORIES

Joint Cover	Flat Angle	Flat Tee	Flange and Socket Spacer	Open Back Boxes
	CONSISTS OF COVER AND CARRIER <b>1</b>	CONSISTS OF COVER AND CARRIER <b>1</b>		
<b>5</b>				



PART M FLANGE FITTED BOTH SIDES OF A DEVICE

VPAB184 WHI	VPAB185 WHI	VPAB187 WHI	<b>VXAB40 CHA*</b> <b>20</b> PART M FLANGE FITTED BOTH SIDES OF A DEVICE  <b>VXAB41 CHA*</b> <b>10</b> PART M SOCKET SPACER  <b>VPAB129 WHI**</b> <b>50</b> 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.	<b>VP121 WHI</b> <b>25</b> <b>VP121 CHA</b> <b>25</b> 1 GANG MOUNTING FRAME  <b>VP122 WHI</b> <b>10</b> <b>VP122 CHA</b> <b>10</b> 2 GANG MOUNTING FRAME  <b>VP123 WHI</b> <b>5</b> <b>VP123 CHA</b> <b>5</b> 3 GANG MOUNTING FRAME  1 Gang frame is used in vertical applications. Wings may be removed for greater wiring space.
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VPAB194 WHI	Flat Angle Up VPAB195 WHI  Flat Angle Down VPAB196 WHI	VPAB197 WHI	Cable Retainer Screw Fixing Kit Screening Divider

<b>VP105 WHI</b> <b>50</b> CABLE RETAINER	<b>VTSAB1000 WHI</b> <b>20</b> SCREW FIXING KIT	<b>VP30**</b> <b>15m</b> 1.5M SCREWING DIVIDER  <b>VX31</b> <b>10</b> 300 MM SCREEN CONNECTING CABLE	<b>VX32</b> <b>10</b> 500 MM SCREEN CONNECTING BRAID  <b>VX33</b> <b>10</b> 500 MM SCREEN CONNECTING CABLE
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\*\*Cable not included

## Cable Management System - Wall

### PRESITGE 2COM

NEW



### Range Introduction

Prestige 2com trunking is designed to meet the needs of current and future data cabling.

Prestige 2com is Cat 6 compliant and provides maximum capacity for data cabling.

### Features

#### Cat 6 compliant

50mm radius bends on all corners so cables lie in trunking correctly to avoid any deformation which may result in signal distortion and loss. Complies with and exceeds Cat5e wiring regulations. Ideal also for future refurbishments using upgraded data cables - Cat 6A/7

#### Maximises capacity

60mm deep trunking with two equal compartments to maximise data channel cabling

#### Flexible accessories

Accessories can be mounted on either or both compartments - enables maximum use of wiring space in one compartment

#### Frames maximise space

Mounting frames for LJU6/Euro data outlets to maximise use of space

#### Stylish and robust

Single piece end caps, corners and couplers for improved aesthetics and solid construction. Screw fix option for security of corner fittings

#### Pre-drilled trunking bases

Eliminates the need to measure and drill fixing holes onsite thus reducing installation time

# Cable Management System - Wall

## PRESTIGE 2COM

Main Carrier

Straight Cover

Coupler Assembly

Lid Joint Cover

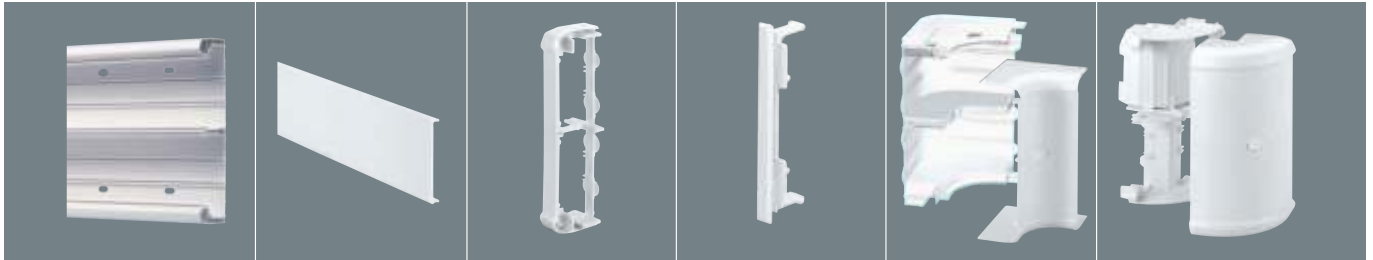
Internal Corner Assembly

External Corner Assembly

**DIMENSIONS**  
210 X 60MM

**CONSISTS OF**  
COVER AND CARRIER

**CONSISTS OF**  
AND RADIUS COVER, CARRIER INSERT



**VTS2001 WHI** **6m**  
3 METRE LENGTHS

**VTS5 WHI** **30m**  
3 METRE LENGTHS

**VTS2005 WHI** **2**

**VTS2010 WHI** **10**  
USED TO JOIN 2 COVER PIECES AT REMOTE POINT FROM COUPLER

**VTS2004 WHI** **1**  
INCLUDES ADDITIONAL SCREW FIXING FOR EXTRA SECURITY 50MM RADIUS BEND

**VTS2003 WHI** **1**  
INCLUDES ADDITIONAL SCREW FIXING FOR EXTRA SECURITY 50MM RADIUS BEND

NOT SUPPLIED WITH LID (COVER)

NOTE each main carrier requires two straight covers

## SPARES

End Cap Assembly

Cable Retainer

Cable Divider

Mounting Frames

**3 METRE LENGTHS**



**VTS2006 WHI** **2**  
END CAP ASSEMBLY

**VTS2011 WHI** **10**  
CABLE RETAINER

**VTS50WHI** **30m**  
CABLE DIVIDER  
3 METRE LENGTHS

**VTS6000 WHI** **10**  
1 GANG ACCESSORY MOUNTING FRAME

**VTS7000 WHI** **10**  
2 GANG ACCESSORY MOUNTING FRAME



# Cable Management System - Wall

## PRESTIGE 2COM

Flat Tee

Flat Angle

Accessory Boxes



VTS2014 WHI **1**  
50MM RADIUS BEND

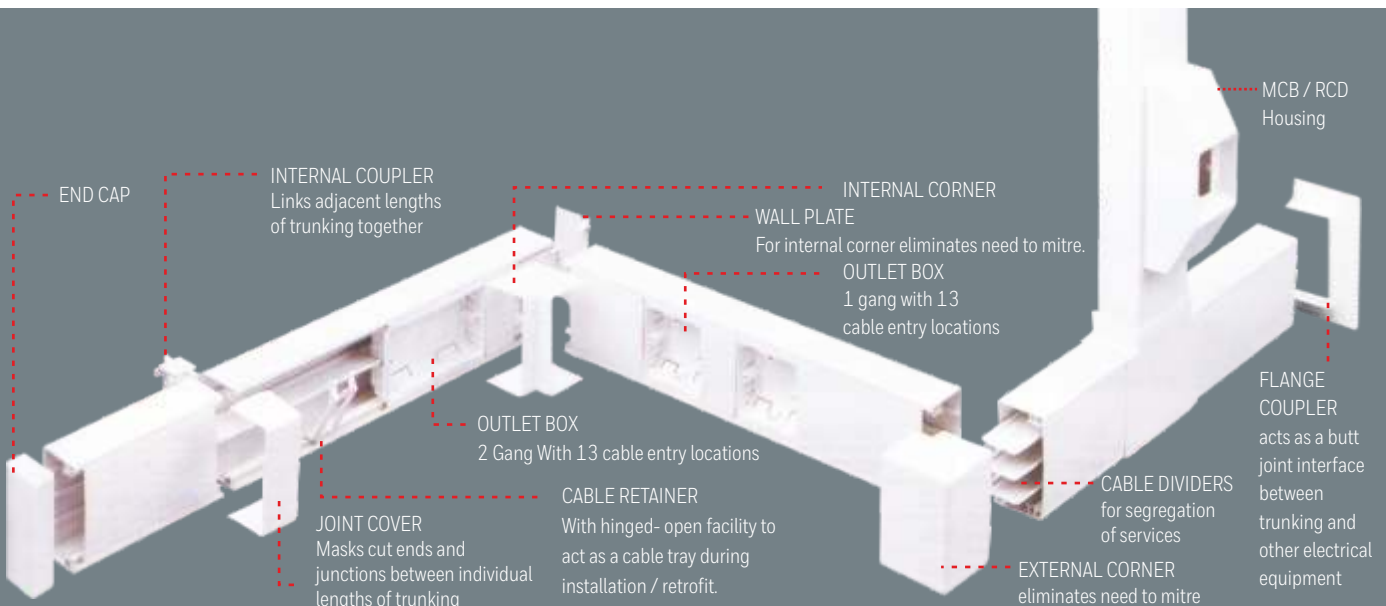
VTS2012 WHI **1**  
50MM RADIUS BEND

VTS6035 WHI **25**  
1 GANG 35MM DEEP

VTS7035 WHI **10**  
2 GANG 35MM DEEP

VTS8028 WHI **10**  
3 GANG 35MM DEEP

## PREMIER SYSTEM



### Product Code:

NCT1050D1WHI 100mm(H)x50mm(D) - 4 Compartments\*

NCT5050D1WHI 50mm(H)x50mm(D) - 2 Compartments\*

NCT1010WHI 100mm(H)x100mm(D) - 4 Compartments<sup>#</sup>

\*4 Compartments

(Maximum 3 cable dividers can be used)

\*2 Compartments

(Only Single cable divider can be used)

<sup>#</sup>Std Length - 3m.

**Standard Length** : 2 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

# Cable Management System - Wall

## 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 Honeywell MK Wiring Accessories and include telecom and data outlets. They are 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 snapfit 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
- RoHS Compliant
- Improved packing features

## PREMIER SYSTEM

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

Operating temperature : -5°C to 60°C

Vicat softening point : 81°C

Thermal conductivity : 0.19 w/m/°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.

## PREMIER SYSTEM - NCT1050D1WHI, NCT5050D1WHI and NCT1010WHI

**Commercial Dado Trunking**  
2 metre



List No. NCT1050DIWHI  
100(H) x 50(D)mm

**Industrial Feeder Trunking**  
2 metre



List No. NCT5050D1WHI  
50(H) x 50(D)mm

**Cable Divider**  
50mm Deep  
2 metre



List No. NVS50D1WHI

**Cable Retainer**  
Moulded



List No. NBP100WHI

**Cable Retainer**  
Moulded



List No. NBP50WHI

**Internal Couplers**  
Moulded



List No. NCI5050WHI  
NCI1050WHI

**External Angles 90°**  
Moulded



List No. NAE5050WHI  
NAE1050WHI

**Flat Angles 90°**  
Moulded



List No. NAF5050WHI  
NAF1050WHI

**Flat Cross**  
Moulded



List No. NCU5050WHI  
NCU1050WHI

**Internal Angles 90°**  
Moulded



List No. NAI5050WHI  
NAI1050WHI




















**Joint Cover**  
Moulded



List No. NJC5050WHI  
NJC1050WHI

# Cable Management System - Wall

## PREMIER SYSTEM - NCT1050D1WHI, NCT5050 and NCT1010WHI

<p><b>Internal Angles 135°</b> Fabricated</p>  <p>List No. NMI5050WHI NMI1050WHI</p>	<p><b>External Angles 135°</b> Fabricated</p>  <p>List No. NMO5050WHI NMO1050WHI</p>	<p><b>1 To 3 Module Mounting Box</b></p>  <p>List No. NSB1T3I</p>	<p><b>4 To 5 Module Mounting Box</b></p>  <p>List No. NSB4T5I</p>	<p><b>8 Module Mounting Box</b></p>  <p>List No. NSB8I</p>
<p><b>Flat Tees 90°</b> Moulded</p>  <p>List No. NTF5050WHI NTF1050WHI</p>	<p><b>End Caps</b> Moulded</p>  <p>List No. NEP5050WHI NEP1050WHI</p>	<p><b>1050 Spacer for Premier Boxes</b></p>  <p>List No. NSP100WHI</p>	<p><b>Reducer</b> NCT 1050 to NCT 5050 50 x 50mm Fabricated</p>  <p>List No. NTR41WHI</p>	<p><b>Wall Plates For Internal Angle</b> Moulded</p>  <p>List No. NWP5050WHI NWP1050WHI</p>
<p><b>Commercial Dado Trunking</b> 3 metre</p>  <p>List No. NCT1010WHI 100(H) x 100(D)mm</p>	<p><b>Cable Divider</b> 50mm Deep 3 metre</p>  <p>List No. NVS100WHI</p>	<p><b>Internal Couplers</b> Moulded</p>  <p>List No. NCI1010WHI</p>	<p><b>Joint Cover</b> Moulded</p>  <p>List No. NJC1010WHI</p>	<p><b>End Caps</b> Moulded</p>  <p>List No. NEP1010WHI</p>
<p><b>External Angles 90°</b> Moulded</p>  <p>List No. NAE1010WHI</p>	<p><b>Internal Angles 90°</b> Moulded</p>  <p>List No. NAI1010WHI</p>	<p><b>Flat Angles 90°</b> Moulded</p>  <p>List No. NAF1010WHI</p>	<p><b>Flat Tees 90°</b> Moulded</p>  <p>List No. NTF1010WHI</p>	

### 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/m<sup>2</sup>  
Tensile strength : At yield 34.62 N/mm<sup>2</sup>  
At break 42.00 N/mm<sup>2</sup>  
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.

# Cable Management System - Wall

## NORWICH SYSTEM



### 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.

Product Code : NBT4WHID1 100mm(H) x 40mm(D)  
(Single Compartment)

Standard Length : 2 metres

Material : PVC-U

Colour : White

Thickness : 2.5 mm

### Features

- Safe, sturdy, durable, easy to assemble and install.
- Robust profile, with the base thickness at 2.5mm, for enhanced strength and durability.
- 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.
- RoHS compliance for environment-conscious users.
- Tougher packaging for eliminating damages during transit.
- Used in Schools, Offices & Commercial installations, because of its durability and the facility to retrofit extra sockets and outlets as required.

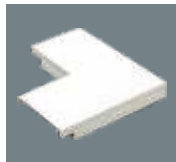
#### Single Compartment Trunking

2 metre



List No. NBT4WHID1  
100(H) x 40(D)mm

#### Flat Angle



List No. NAF4WHI

#### Internal Angle 90°



List No. NAI4WHI

#### Internal Coupler



List No. NCI4WHI

#### 1 To 3 Module Mounting Frame



List No. NSO1T3I

#### 4 To 5 Module Mounting Frame



List No. NSO4T5I

#### External Angle 90°



List No. NAE4WHI

#### Flat Tee



List No. NTF4WHI

#### End Cap



List No. NEP4WHI

### Norwich Technical Data

Norwich Cable Management system is manufactured in accordance with the requirements of BS 4678 Part 4. It fully th complies with the 16 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/m<sup>2</sup>

Tensile strength : At yield 34.62 N/mm<sup>2</sup>

At break 42.00 N/mm<sup>2</sup>

Density : 1.35 to 1.45

### Fire

The material used are non-flame propagating and a Class 1 spread of flame was 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.



# Cable Management System - Wall

## Electrical

Norwich is non-conductive

Dielectric Strength : 40 Kw/mm in DBP 17 Kw/mm in TX Oil

140 Volume Resistivity: >10 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 x10<sup>-5</sup> 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.

## MINI TRUNKING

Honeywell 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.

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.

## 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: 3mtrs
- Size: 32mm wide x 12.5mm depth
- Material: u PVC

Mini trunking 32x12.5mm  
(3 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

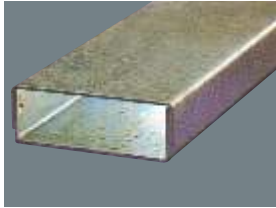


List No. YAF200WHI

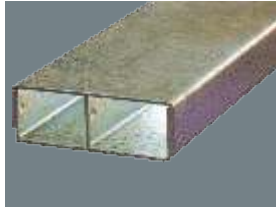
# Cable Management System – Floor

## UNDERFLOOR SYSTEM

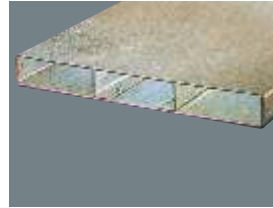
### Honeywell MK Underfloor M-Traks and Accessories



Single Compartment



Double Compartment



Triple Compartment



Jointing Sleeves

Honeywell 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.

### UNDERFLOOR M-TRAK

- 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

- Material: Pre-galvanized sheet steel
- Standard thickness: 1.6 mm
- Standard length: 2.5 metres
- Standard depths : 25 mm and 38 mm UMSX has to be ordered separately
- Jointing sleeves are available for 25mm and 38mm depth Mtrak
- Single, double & triple compartments
- Triple Compartments designed to accommodate power, data and voice cables when run individually in separate compartments

### UNDERFLOOR M-TRAK - UMD 25 MM DEPTH/UMDX 38 MM DEPTH

List No.	Dimensions (Width x Depth x Thickness)	No. of Compartments
UMD5016	50 x 25 x 1.6mm	1
UMD7516	75 x 25 x 1.6mm	1
UMD10016	100 x 25 x 1.6mm	1
UMD22536	225 x 25 x 1.6mm	3
UMD25036	250 x 25 x 1.6mm	3
UMD30036	300 x 25 x 1.6mm	3

List No.	Dimensions (Width x Depth x Thickness)	No. of Compartments
UMDX5016	50 x 38 x 1.6mm	1
UMDX7516	75 x 38 x 1.6mm	1
UMDX10016	100 x 38 x 1.6mm	1
UMDX10026	100 x 38 x 1.6mm	2
UMDX15026	150 x 38 x 1.6mm	2
UMDX22536	225 x 38 x 1.6mm	3
UMDX25036	250 x 38 x 1.6mm	3
UMDX30036	300 x 38 x 1.6mm	3

# Cable Management System - Floor

## 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



100mm(width) x 38mm(depth)

- Free from any electro magnetic interference or data loss
- Standard thickness : 1.6mm
- Standard length : 2.5 mtrs
- Standard depth : 38mm
- Available in single compartment

List No.	Description
ALM10016	100mm(width) x 38mm(depth) Single compartment

\*(1 Ton = 98.1 Joules / cm = 9806.7 Kilogram metre / sec<sup>2</sup> = 9.81 Kilonewton = 1000 Kilogram force)

## 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
EVB2502	Vertical Access Units	250 x 200 x 50mm
EVB3002	Vertical Access Units	300 x 200 x 50mm



Vertical Access Units

## NEW DESIGN IN SCREED FLOOR BOXES

Presenting in-screed floor boxes for safer and easier use. The design provides more robustness with a complete metallic lid and frame for heavy traffic areas. The power and data plates are more flexible in design that offers easy accessibility of wiring device range & RJ45 connectors.

### Features:

#### Trap Lid & Frame

- The trap lid is made of high grade GI epoxy coated with an 8mm recess for accommodating carpet/tiles
- User friendly lid design with easy to lift handle.
- Rubber grommets which are flexible and can accommodate maximum input cable connection
- The trap lid & frame has die-cast opening which enables easy opening and also ensuring user safety
- The floor box has a total height of 60-75mm from the base level. Stainless steel levelling screws are provided for height adjustment to negate any variation in the floor.

#### Base Box

- The base of the floor box is made of high grade pre-galvanised GI sheet to prevent any corrosion. The base has a sheet thickness of 1mm.
- The Outlet box has the provision to carry service plates for providing access i.e.: Power, Data & Telecom. Base unit has knockouts for metal trunking upto 38mm height.
- For 250x250mm variant- A maximum of 14 modules for power (7+4 data connectors+7) of wiring accessories can be accommodated in the accessory plates and



proper segregation is maintained as per IEE regulation

- For 250x250mm variant- Angular data plates are provided with provision of 4 RJ45 connectors enabling minimal strain on the cables and ease in closing the lid
- For 300x300mm variant- A maximum of 18 modules for power (9+8 data connectors+9) of wiring accessories can be accommodated in the accessory plates and proper segregation is maintained as per IEE regulation
- For 300x300mm variant- Angular data plates are provided with provision of 8 RJ45 connectors enabling minimal strain on the cables and ease in closing the lid
- 12mm spacers are provided for wiring space
- Robust die cast pillars on 4 corners
- Load bearing capacity upto 2 tons

List No.	Description
ESB250ML	Access outlet 250x250x60-75mm metallic lid complete with data & power plates
ESB300ML	Access outlet 300x300x60-75mm metallic lid complete with data & power plates

# Cable Management System – Floor

## ACCESS OUTLET

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

- Honeywell 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 adjustment 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 aesthetics
- 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-galvanized 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

## Underfloor Access Outlets

List No.	Description
ESB25031	250 x 250 x 60-75mm 1 Trap 3 compartments

## RAISED FLOOR STAINLESS STEEL FLUSH TYPE

### Features:

#### Trap Lid & Frame

- The trap lid is made of stainless steel finish with a grade of SS304. The SS lid has a sheet thickness of 2mm.
- High quality rubber gaskets are provided to prevent seepage and noise.
- The Trap lid is user friendly with easy to lift handle.
- The lid cover of outlet box has cable knockouts with high quality durable foam to prevent the cable damage from exit position & also prevent ingress of dust and vermin
- The trap frame has hinges which enables easy opening mechanism
- The floor box has a height of 80mm from the base level.



### Base Box

- The base of the floor box is of high grade pre-galvanized GI sheet to prevent any corrosion. The base box has a sheet thickness of 1mm.
- The Outlet box carries service plates for providing access i.e.: Power, Data & Telecom. Base unit has with 20/25mm dia conduit entry knockouts.
- A maximum of 14 modules for power (7+4 data connectors+7) of wiring accessories is provided in the accessory plates and proper segregation maintained as per IEE regulation
- Fixing brackets come along provided to screw the base box to the finished floor to fulfil the raised floor application

List No.	Description
91506SS	Accessoutlet 250x250x80mm stainless steel flushed lid complete with data & power plates

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

\* (1 Ton = 98.1 Joules / cm = 9806.7 Kilogram metre / sec<sup>2</sup> = 9.81 Kilonewton = 1000 Kilogram force).



# Cable Management System - Floor

## CROSS OVER

EJB 2503

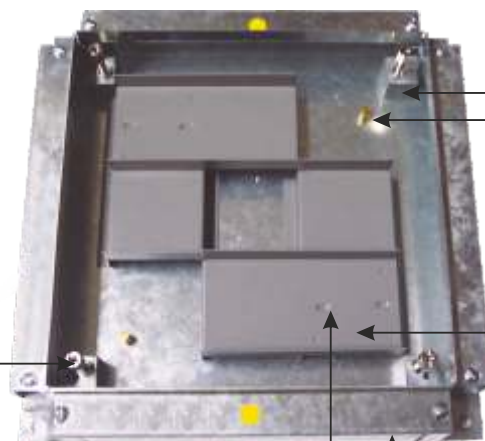


Trap cover is 8mm recessed for installation of carpet and tiles

Stainless steel screw for extra protection

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

## Cross Over



High Pressure die-cast pillars

Positive double earthing connections

Flyover unit to avoid criss - crossing of cables

Adjustable levelling screws on all 4 corners

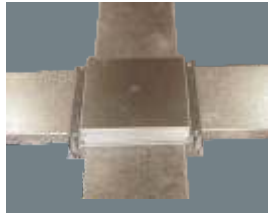
Epoxy coated to give enhanced protection on visible parts against chemical or saline corrosion

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

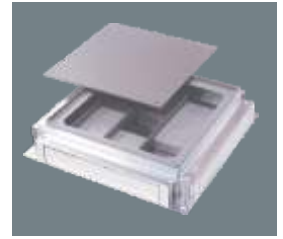
# Cable Management System – Floor

## UNDERFLOOR CROSS OVER & JUNCTION BOX

- Honeywell MK Cross Overs and Junction boxes are made up of very high quality materials to withstand heavy load and corrosion
- Trap cover for cross over box is made of a 2.5mm thick pre galvanized steel plate to provide rigidity and added strength
- Trap cover for Junction boxes are made of 2mm thick pre-galvanized steel plate
- The trap cover has 8mm recess for installation of carpet and tiles
- Cross Overs base unit is made of high quality pregalvanized steel and high-pressure die-cast alloy pillars for supporting the trap frame and side blanks
- The flyover unit, trap frame 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 maximum load of up to 3.6 Ton force (metric).

\* Maximum load measured at 14.82mm deflection.

List No.	Description
EJB2503	250 x 250 x 60-75mm
EJB3003	300 x 300 x 60-75mm
EJB3503	350 x 350 x 60-75mm
EJB4003	400 x 400 x 60-75mm
JB150	150 x 150 x 60-75mm
JB250	250 x 250 x 60-75mm
JB300	300 x 300 x 60-75mm
JB350	350 x 350 x 60-75mm
JB400	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<sup>2</sup> = 9.81 Kilonewton = 1000 Kilogram force).

## HIGH RECESSED ACCESS OUTLET BOX & CROSSOVER BOX

High Recessed Access Outlet Box and Crossover Box can accommodate hard flooring like marbles, granites and stone. These floor boxes come with a recess of 20mm in cover. So you can directly fit in the stone slab in them. This reduces the installation time tremendously.

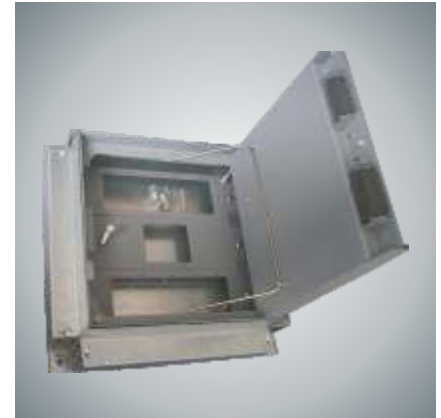
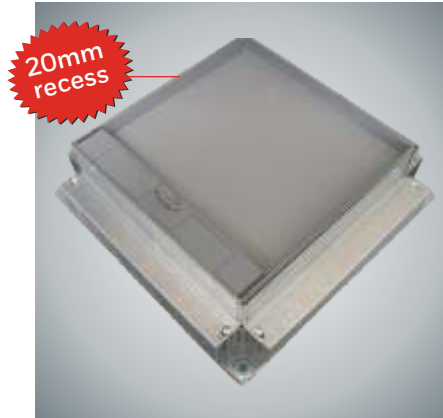
List No.	Description
EXSB250GR	Access outlet box 250x250x90-110mm with 20mm Recess
EXSB350GR	Access outlet box 350x350x90-110mm with 20mm Recess
EXJB250GR	Cross Over 250x250x90-110mm with 20mm Recess
EXSB350GR	Cross Over 350x350x90-110mm with 20mm Recess

### Key Features

- Superior load bearing performance of upto 2.5 tons on the trap lid, ensures that the product can withstand heavy objects like cabinets, trolleys, cherry pickers and even automobiles in a showroom
- These floor boxes are adaptable to any floor finish with height adjusting stainless steel leveling screws. There is a provision of 20mm from 90mm minimum to 110mm maximum for plug top clearance
- Gaskets are provided on the trap frame edges of these floor boxes to prevent any concrete seepage or water from entering in the box
- These floor boxes are designed for use with stone floors. The lid recess comes with 20mm space for accommodating any hard flooring
- Double grommet openings with cushions for connecting the output cables to the wiring accessories

## Cable Management System - Floor

- Screed depth - It is always advisable to have a minimum floor finish of 110mm during planning itself to avoid any hassles, since this will comfortable take care of the 35mm wiring space, plug top clearance and also the flooring depth



### Application Areas:

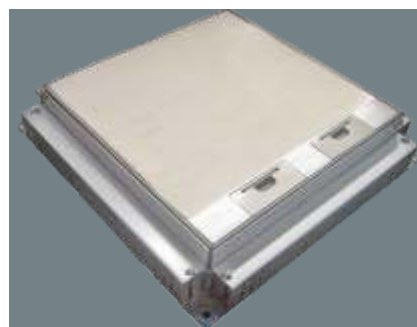
- Retail malls
- Parking areas
- Bungalows
- Exhibition halls

## FLUSHED ACCESS OUTLET BOX & CROSSOVER BOX

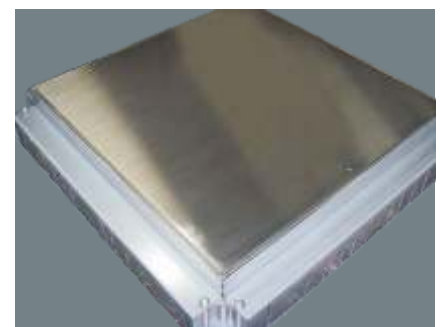
Access Outlet Box and Crossover Boxes are uniquely designed with easy to install features by means of a stylish flushed top cover. They enhance the visual appeal of the commercial space with excellent hairline finish. Made of stainless steel, the boxes are robust, seepage proof and can function smoothly forever.

### Key Features:

- Flushed design; no flooring recess required
- Crossover boxes are designed with screwless lid, with only a 2.5mm dia circular opening
- Seepage proof design with gaskets at the edges of the trap frame
- Smart looking stainless steel boxes with hairline finish
- Load bearing capacity of up to 2.1 ton with minimal deflection
- Unique cable exit grommets on access outlets



Access Outlet Box



Crossover Box

List No.	Description
EXSB300SS	Access box 300x300x70-85mm in SS hairline finish Brushed steel
EJB300SS	Crossover box 300x300x70-85mm in SS hairline finish Brushed steel
EJB350SS	Crossover box 350x350x70-85mm in SS hairline finish Brushed steel

### Application Areas:

- Airports • Retail malls • Hospitals • Corporates (IT/ITES)

## POP UP BOXES

The flush mounting Pop-up Boxes help you connect your laptops, mobile phones and electronic devices easily in your meeting rooms. Made with stainless steel traps and aluminium-alloy base, they come in 3,4,6 and 8 module configurations. The super slim ergonomic design adds to the aesthetics of your meeting rooms.

### Features

- Available in variants of 3,4,6 modules
- Soft pop up opening
- The top lid panel is made of aluminium alloy
- The base box is made of steel+zinc
- Module frames for wiring accessories



Item Code	Description	Dimension (Length x breadth x depth)
EPO3AL	Pop up box with 3 module provision	120x120x60mm
EPO4AL	Pop up box with 4 module provision	146x146x60mm
EPO6AL	Pop up box with 6 module provision	220x120x60mm

# Cable Management System - Floor

## DESKING MODULE

### Features

- Double cover structure
- Concealed mounted table top & base box that can be screwed
- Brushed oxidation surface made of aluminium alloy
- Module frames for wiring accessories



Item Code	Description	Dimension (Length x breadth x depth)
EPO8AL	Desktop module-6 module +1 VGA & HDMI	253X115X117mm
EPO8AL2	Desktop module-8 module provision	253X115X117mm

## 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

#### CABLE RETAINERS

- Supplied as standard

#### LID

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

#### 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

- 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
- 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 - 110mm 3 compartment

# Cable Management System - Floor

## UNDERFLOOR PRODUCT MATRIX

Mtraks	Crossovers	Junction boxes	Access outlets	Vertical access box
50x25mm-UMD5016		150x150mm-JB150	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
75x25mm-UMD7516		150x150mm-JB150	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
100x25mm-UMD10016		150x150mm-JB150	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
225x25mm-UMD22536	250x250mm-EJB2503/EXJB2503GR	250x250mm-JB250	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
250x25mm-UMD25036	300x300mm-EJB3003/EXJB300GR/EJB300SS	300x300mm-JB300	300x300mm-ESB300ML/EXSB300SS	300x200mm-EVB3002
300x25mm-UMD30036	350x350mm & 400x400mm - EJB3503/EJB4003/EXJB350GR/EJB350SS	350x350mm & 400x400mm-JB350/JB400	350x350mm-EXSB350SS	NA
50x38mm-UMDX5016		150x150mm-JB150	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
75x38mm-UMDX7516		150x150mm-JB150	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
100x38mm single comp-UMDX10016		150x150mm-JB150	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
100x38mm double comp-UMDX10026		150x150mm-JB150	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
150x38mm-UMDX15026	250x250mm-EJB2503/EXJB2503GR	250x250mm-JB250	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
225x38mm-UMDX22536	250x250mm-EJB2503/EXJB2503GR	250x250mm-JB250	250X250mm-ESB250ML/CUB265-3GRY/EXSB250GR	250x200mm-EVB2502
250x38mm-UMDX25036	300x300mm-EJB3003/EXJB300GR/EJB300SS	300x300mm-JB300	300x300mm-ESB300ML/EXSB300SS	300x200mm-EVB3002
300x38mm-UMDX30036	350x350mm & 400x400mm - EJB3503/EJB4003/EXJB350GR/EJB350SS	350x350mm & 400x400mm-JB350/JB400	350x350mm-EXSB350SS	NA

## PLANNING

In designing the Underfloor Cable Management System, 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 disposable 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

### STANDARDS AND APPROVALS

The system complies with to the relevant specification, i.e., BS4678, SS 249 and IEC 61084. In addition, Honeywell MK floor outlet boxes comply with stringent load test requirements.

### 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 excess 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.

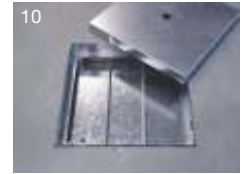
**Degree of Protection :** Enclosure classification IP 20, when installed in accordance with the instructions set out in the installation guide.

### 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

### 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.

#### 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)





# Cable Carrying Capacity Chart

## FDS TRAKS CABLE CAPACITY GUIDE CHART

Cross Section area (sq.mm) of Cables	Number of Cables						Solid Conductors
	UMD - 25mm						Compartment Factor
	5016	7516	10016	22536	25036	30036	
	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

Cross Section area (sq.mm) of Cables	UMDX - 38mm						Compartment Factor
	5016	7516	10016	22536	25036	30036	
		684	1026	1368	3035	3373	4047
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						Compartment Factor
	5016	7516	10016	22536	25036	30036	
	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

Cross Section area (sq.mm) of Cables	UMDX - 38mm						Compartment Factor
	5016	7516	10016	22536	25036	30036	
		684	1026	1368	3035	3373	4047
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 D1WHI	NCT5050 D1WHI	NBT4 WHID1	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 D1WHI (With Box & Divider)	NCT 5050 D1WHI (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 D1WHI	NCT5050 D1WHI	NBT4 WHID1	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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