Cable Management System Catalogue
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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 Tocs, 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

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 83 Amps busbars
  - List No. K1963 WHI
  - 170(H) x 50(D)mm

**Rear Cable entry section**
- List No. K1920 WHI
- 135(L) x 170(H) x 50(D)mm

**Cable Connection Box Assembly**
- for use with K1820 WHI
  - List No. 1922
  - 130(L) x 130(H) x 40(D)mm
  - KNOCKOUTS:
    - 4 x 20 mm
    - 4 x 25 mm

**Coupler**
- List No. K1908 WHI
- with busbar shield

**End Caps**
- List No. K1904 WHI
- with busbar shield

**Internal Corner**
- List No. K1905 WHI
- with busbar shield

**External Corner**
- List No. K1906 WHI
- with busbar shield

**10mm² Cable Termination**
- (50 Amps)
  - (3 pole)
  - List No. 1923

**25mm² Cable Termination**
- (63 Amps)
  - (3 pole)
  - List No. 1924

**Busbar Coupler**
- (Plug-in)
  - List No. K1925

**16mm² 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
- 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 respects 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**

<table>
<thead>
<tr>
<th>Type</th>
<th>No. Comp</th>
<th>Area mm²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powerlink Plus Outer Duct</td>
<td>2</td>
<td>875</td>
</tr>
<tr>
<td>Powerlink Plus Central Duct</td>
<td>1</td>
<td>180</td>
</tr>
</tbody>
</table>

**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

Glowwire: 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.

<table>
<thead>
<tr>
<th>Ambient Temperature Range</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handling and storage</td>
<td>-5°C</td>
<td>60°C</td>
</tr>
<tr>
<td>During installation</td>
<td>-5°C</td>
<td>60°C</td>
</tr>
<tr>
<td>Operating</td>
<td>-5°C</td>
<td>50°C</td>
</tr>
</tbody>
</table>

**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 10¹⁰ ohm-cm

Busbar rating 63 A 250 V AC

Busbar Voltage drop:

L to N 3.47 mV/A/metre run

L to E 3.47 mV/A/metre run

N to E 4.57 mV/A/metre run

Earth Fault Loop Impedance:

L to E 3.47 milliohms/metre run

Prospective current 15.5 kA

"Mechanical withstand 10.0 kA peak min, Thermal withstand 3.6 kA² seconds."
Cable Management System - Wall

Prestige 3D

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

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

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**
- List No. VP180 WHI
- 3 Metre Lengths

**Straight Cover**
- List No. VP100 WHI
- 3 Metre Lengths

**Curved Cover**
- List No. VP110 WHI
- 3 Metre Lengths

**Flexible Internal Corner**
- List No. VP181 WHI

**Flexible External Corner**
- List No. VP182 WHI

**End Cap**
- List No. VP183 WHI

**Socket Spacers**
- 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 Angie**
- List No. VP185 WHI

**Flat Tee**
- List No. VP187 WHI

**Screw Fixing Kit**
- List No. VTS1000 WHI

### TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CE marking</strong></td>
<td>All relevant MK products in this brochure are CE marked, confirmation that they meet the EMC and LV directives.</td>
</tr>
<tr>
<td><strong>Manufacture</strong></td>
<td>All trunking components are manufactured from PVCu.</td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Prestige 3D is manufactured in white. The trunking surface can be painted, if required, after installation.</td>
</tr>
<tr>
<td><strong>Performance</strong></td>
<td>Performance: Medium</td>
</tr>
<tr>
<td>Minimum Storage Temperature</td>
<td>25°C</td>
</tr>
<tr>
<td>Minimum Installation Temperature</td>
<td>-5°C</td>
</tr>
<tr>
<td>Maximum Application Temperature</td>
<td>+80°C</td>
</tr>
<tr>
<td><strong>Fire performance</strong></td>
<td>The PVCu materials used in the manufacture of MK products are non-flame propagating in accordance with BS EN 50085-1:1996 and BS EN 61365:1-2004. Extrusion material has achieved classification 1Y in accordance with BS 476-7:1097. Moulding material has achieved 900°C glowwire rating in accordance with BS EN 60669-2:11:2001.</td>
</tr>
<tr>
<td><strong>Chemical resistance</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Electrical</strong></td>
<td>Prestige 3D trunking is non-conductive.</td>
</tr>
<tr>
<td>Dielectric strength</td>
<td>40 kV/mm in DBP</td>
</tr>
<tr>
<td></td>
<td>17 kV/mm in tx oil</td>
</tr>
<tr>
<td>Resistance</td>
<td>1014 cm</td>
</tr>
<tr>
<td><strong>Biological</strong></td>
<td>Prestige 3D trunking is resistant to vermin and termites.</td>
</tr>
<tr>
<td><strong>Workability</strong></td>
<td>Prestige 3D trunking is lightweight and can readily be cut and drilled to suit installation needs with hand tools.</td>
</tr>
<tr>
<td><strong>Durability</strong></td>
<td>Prestige 3D trunking is stable and will maintain its performance characteristics in accordance with the terms and conditions described above.</td>
</tr>
<tr>
<td><strong>Maintenance</strong></td>
<td>Cover-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.</td>
</tr>
</tbody>
</table>

**Linear Expansion:**
- 4 mm over every 3000 mm with a temperature rise of 25°C
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 fluoresence under UV light, providing customer confidence
- Fully Cat 5 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

PROFILE LENGTHS

<table>
<thead>
<tr>
<th>Component Selector Chart</th>
<th>Profile</th>
<th>Main Carrier*</th>
<th>Straight Cover</th>
<th>Curved Cover</th>
<th>Square Cover</th>
<th>Fittings</th>
<th>Flexible Internal Corner</th>
<th>Flexible External Corner</th>
<th>End Cap</th>
<th>Consists of Cover and Data Sweep</th>
<th>Supplied Left and Right-Hand Pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 METERS</td>
<td>3 METERS</td>
<td>3 METERS</td>
<td>3 METERS</td>
<td>3 METERS</td>
<td></td>
<td>3 METERS</td>
<td>3 METERS</td>
<td></td>
<td></td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

* 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 PVC due to no exposure once installation is complete.
Premier System

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.
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: $>10^{10}$ 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
$5.5 \times 10^{-6}$ 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: 0.18 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 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

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.

Product Code : NB7 4 100mm(H) x 40mm(D)
(Single Compartment)

Standard Length : 3 metres
Material : PVC-U
Colour : White
Thickness : 2.5 mm

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.
**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: >10¹⁰ ohms at 50% RH and 25°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 x 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.
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

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
<th>UOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>YT200WHI</td>
<td>Mini Trunking 32mm X 12.5mm</td>
<td>Mtrs.</td>
</tr>
<tr>
<td>YTF200WHI</td>
<td>Flat Tee</td>
<td>Nos.</td>
</tr>
<tr>
<td>YC200WHI</td>
<td>Coupler</td>
<td>Nos.</td>
</tr>
<tr>
<td>YEP200WHI</td>
<td>End Cap</td>
<td>Nos.</td>
</tr>
<tr>
<td>YAI200WHI</td>
<td>Internal Angle</td>
<td>Nos.</td>
</tr>
<tr>
<td>YAE200WHI</td>
<td>External Angle</td>
<td>Nos.</td>
</tr>
<tr>
<td>YAF200WHI</td>
<td>Flat angle</td>
<td>Nos.</td>
</tr>
</tbody>
</table>
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
- Material: Pre-galvanized sheet steel
- Jointing Sleeves for 25 mm height UMS and 38 mm height UMSX has to be ordered separately
- Single, double & triple compartments
- Triple Compartments designed to accommodate 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

<table>
<thead>
<tr>
<th>List No.</th>
<th>Dimensions (Width x Depth x Thickness)</th>
<th>No. of Compartments</th>
</tr>
</thead>
<tbody>
<tr>
<td>UMD 50/1/6</td>
<td>50 x 25 x 1.8mm</td>
<td>1</td>
</tr>
<tr>
<td>UMD 75/1/6</td>
<td>75 x 25 x 1.8mm</td>
<td>1</td>
</tr>
<tr>
<td>UMD 100/1/6</td>
<td>100 x 25 x 1.8mm</td>
<td>1</td>
</tr>
<tr>
<td>UMD 225/3/6</td>
<td>225 x 25 x 1.8mm</td>
<td>3</td>
</tr>
<tr>
<td>UMD 250/3/6</td>
<td>250 x 25 x 1.8mm</td>
<td>3</td>
</tr>
<tr>
<td>UMD 300/3/6</td>
<td>300 x 25 x 1.8mm</td>
<td>3</td>
</tr>
<tr>
<td>UMDX 50/1/6</td>
<td>50 x 38 x 1.8mm</td>
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<tr>
<td>UMDX 75/1/6</td>
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<td>UMDX 100/1/6</td>
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<td>UMDX 150/2/6</td>
<td>150 x 38 x 1.8mm</td>
<td>2</td>
</tr>
<tr>
<td>UMDX 225/3/6</td>
<td>225 x 38 x 1.8mm</td>
<td>3</td>
</tr>
<tr>
<td>UMDX 250/3/6</td>
<td>250 x 38 x 1.8mm</td>
<td>3</td>
</tr>
<tr>
<td>UMDX 300/3/6</td>
<td>300 x 38 x 1.8mm</td>
<td>3</td>
</tr>
</tbody>
</table>

## 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.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVB 250/2</td>
<td>Vertical Access Units</td>
<td>250 x 200 x 50mm</td>
</tr>
<tr>
<td>EVB 300/2</td>
<td>Vertical Access Units</td>
<td>300 x 200 x 50mm</td>
</tr>
</tbody>
</table>

![Vertical Access Units Image]
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 up to 225 x 25mm or 225 x 38mm.
- Load bearing capacity

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

### Underfloor Access Outlets

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESB 250/3/1</td>
<td>250 x 250 x 60-75mm 1 Trap 3 compartments</td>
</tr>
<tr>
<td>ESB 300/3 GIE</td>
<td>300 X 300 X 60-75mm 1 Trap 3 compartments (Metal Lid)</td>
</tr>
</tbody>
</table>

### Raised Floor Access Outlets

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>91506 GFY</td>
<td>250 x 250 x 80mm 1 Trap 3 compartments</td>
</tr>
</tbody>
</table>

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 Outlet 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 61034 standards.
Access Outlet

Access Outlet Trap Lid & 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
- Can withstand load of up to 2 tons on the trap
- Epoxy coated to give enhanced protection on visible parts against chemical or saline corrosion
- Patent 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

- 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
- 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 trunks, of 25 mm or 38 mm depth
- High-pressure die-cast alloy pillars to withstand 2 tons load
- Positive double earthing connections
- 3 Compartments to run Mains voltage & ELV cables
**Access Outlet**

**Raised Floor Access Outlet**

- Nylon pull bar to easily detach the trap frame for servicing or installation of accessories
- 80 mm
- Easily removable knock-outs for cable entry
- Strap for mounting Data plate & Power plate
- Cable retainers with generous cable outlet which open automatically & lock into position when cables are present

**Cross Over**

- 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
- 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 tracks of 25 mm or 38 mm depth
- High Pressure die-cast pillars
- Positive double earthing connections
- Flyover unit to avoid risk - crossing of cables

**BS Conversion Frame**

(To mount Switch - Socket / Accessories)

- 26391 S - 1M
- 26392 S - 2M
- 26393 S - 3M
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 UMIX).
- 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)

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EJB 250/3</td>
<td>250 x 250 x 60-75mm</td>
</tr>
<tr>
<td>EJB 300/3</td>
<td>300 x 300 x 60-75mm</td>
</tr>
<tr>
<td>EJB 350/3</td>
<td>350 x 350 x 60-75mm</td>
</tr>
<tr>
<td>EJB 400/3</td>
<td>400 x 400 x 60-75mm</td>
</tr>
</tbody>
</table>

Note: Cross Overs are also called as Junction Box.

*1 Ton = 98.1 Joules / cm = 9806.7 Kilogram metre / m²c = 8.81 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

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JB3150</td>
<td>150mm x 150mm x 60 - 75mm depth</td>
</tr>
<tr>
<td>JB250</td>
<td>250mm x 250mm x 60 - 75mm depth</td>
</tr>
<tr>
<td>JB300</td>
<td>300mm x 300mm x 60 - 75mm depth</td>
</tr>
<tr>
<td>JB350</td>
<td>350mm x 350mm x 60 - 75mm depth</td>
</tr>
<tr>
<td>JB400</td>
<td>400mm x 400mm x 60 - 75mm depth</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALM 100/1/6</td>
<td>100mm(width) x 38mm(depth)</td>
</tr>
<tr>
<td></td>
<td>Single compartment</td>
</tr>
</tbody>
</table>

*1 Ton = 98.1 Joules / cm = 9806.7 Kilogram metre / sec² = 9.81 Kilonewton = 1000 Kilogram force*
Cable Link Plus Screed System

Service Outlet Box
- **ROBUST Core CAPS**
  - Designed to improve retention

**HANdle**
- Designed for improved accessibility

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

**SQUArE BOX Option**
- 90° motion of floorbox for system flexibility

**OPTIONAL LID TETHER**
- Added security
- Eliminates lid losses

**CABLE RetAINERS**
- Supplied as standard

**Ratchet Levelling System**
- Self levelling and rapid fitting of frame and lid

**Staggered Plate**
- Provides strain relief clearance for moulded plug tops

**Outlet Box**
- Option of two screwed depths: 53-89mm & 80-110mm
- Flat sided base design ensures a stronger screwed solution and faster taping
- Optional 10mm plate height adjuster kit for greater screwed depth to support Cat 5 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 5 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

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUB265-3GRY</td>
<td>Access outlet 265 x 265 x 53 - 60 mm 3 compartment</td>
</tr>
</tbody>
</table>
Onix Plus Screed System

Onix Floorbox with Snorkel Cord Outlet Lid

- SNORKEL CORD OUTLET
  - Robust design
  - Commander

- BRUSHED STAINLESS STEEL PLATE
  - Is it stainless steel rusting?

- STAGGERED PLATE
  - Ensure strain relief for moulded plug tops

- COMPARTMENT SEGREGATION

- CONVERSION KIT AVAILABLE
  - Converts junction box to service outlet box

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

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

- ATTRACTIVE, AESTHETIC LIDS
  - Stylishly designed

- 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

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

- 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 - 1000N
- 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

<table>
<thead>
<tr>
<th>ListNo.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NXL5B 265-3</td>
<td>Access outlet with snorkel lid 15mm recess 265 x 265 x 80 - 110 mm 3 compartments with base and accessory plates</td>
</tr>
</tbody>
</table>
**Popup Box**

- 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

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPO/2BS</td>
<td>Popup box with brushed steel finish</td>
</tr>
<tr>
<td>EPO/2GLD</td>
<td>Popup box with gold finish</td>
</tr>
</tbody>
</table>
# Cable Management System - Floor

## Underfloor Product Matrix

<table>
<thead>
<tr>
<th>M-Traks</th>
<th>Jointing Sleeves</th>
<th>Cross Overs / Junction Box</th>
<th>Access Outlets</th>
<th>Vertical Access Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>UMD 50/1/6</td>
<td>UMS 50</td>
<td>JB150</td>
<td>ESB250/3 GRY</td>
<td>EVB250/2</td>
</tr>
<tr>
<td>UMD 75/1/6</td>
<td>UMS 75</td>
<td>JB150</td>
<td>ESB250/3 GRY</td>
<td>EVB250/2</td>
</tr>
<tr>
<td>UMD 100/1/6</td>
<td>UMS 100</td>
<td>JB150</td>
<td>ESB250/3 GRY</td>
<td>EVB250/2</td>
</tr>
<tr>
<td>UMD 225/3/6</td>
<td>UMS 225</td>
<td>EJB250/3 / JB250</td>
<td>ESB250/3 GRY</td>
<td>EVB250/2</td>
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<tr>
<td>UMD 250/3/6</td>
<td>UMS 250</td>
<td>EJB300/3 / JB300</td>
<td>ESB300/3 GIE</td>
<td>EVB300/2</td>
</tr>
<tr>
<td>UMD 300/3/6</td>
<td>UMS 300</td>
<td>EJB400/3 / JB400</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>UMDX 50/1/6</td>
<td>UMSX 50</td>
<td>JB150</td>
<td>ESB250/3 GRY</td>
<td>EVB250/2</td>
</tr>
<tr>
<td>UMDX 75/1/6</td>
<td>UMSX 75</td>
<td>JB150</td>
<td>ESB250/3 GRY</td>
<td>EVB250/2</td>
</tr>
<tr>
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<td>UMSX 100</td>
<td>JB150</td>
<td>ESB250/3 GRY</td>
<td>EVB250/2</td>
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<td>EJB250/3 / JB250</td>
<td>ESB250/3 GRY</td>
<td>EVB250/2</td>
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<td>UMDX 225/3/6</td>
<td>UMSX 225</td>
<td>EJB250/3 / JB250</td>
<td>ESB250/3 GRY</td>
<td>EVB250/2</td>
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<tr>
<td>UMDX 250/3/6</td>
<td>UMSX 250</td>
<td>EJB300/3 / JB300</td>
<td>ESB300/3 GIE</td>
<td>EVB300/2</td>
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<td>UMDX 300/3/6</td>
<td>UMSX 300</td>
<td>EJB350/3 / JB350</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>UMDX 300/3/6</td>
<td>UMSX 300</td>
<td>EJB400/3 / JB400</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

## Access Outlet Installation

![Access Outlet Installation Image]
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 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.

Fishbone Pattern is ideal for a medium sized area where minimum services are required.

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

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 Oves must not exceed 6 meters
- Traks are to be incorporated along walkaways to provide greater flexibility for future service requirements
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 corners.
7. Adjust the leveling screws to the screwed 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.
Cable Management System - Floor

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.

<table>
<thead>
<tr>
<th>Ambient temperature range</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handling &amp; storage</td>
<td>-5°C</td>
<td>60°C</td>
</tr>
<tr>
<td>During installation</td>
<td>-5°C</td>
<td>60°C</td>
</tr>
<tr>
<td>Operating</td>
<td>-5°C</td>
<td>40°C</td>
</tr>
</tbody>
</table>

(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.
## Cable Carrying Capacity Chart

### FDS Traks Cable Capacity Guide Chart

<table>
<thead>
<tr>
<th>Cross Section area (sq.mm) of Cables</th>
<th>Number of Cables</th>
<th>Solid Conductors</th>
<th>UMD - 25mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>50 / 1 / 6</td>
<td>450</td>
<td>675</td>
</tr>
<tr>
<td>2.5</td>
<td>75 / 1 / 6</td>
<td>900</td>
<td>1897</td>
</tr>
<tr>
<td>25</td>
<td>100 / 1 / 6</td>
<td>2219</td>
<td>2603</td>
</tr>
<tr>
<td>300 / 3 / 6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compartment Factor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cable Factor</td>
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</tr>
<tr>
<td>10.3</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cross Section area (sq.mm) of Cables</th>
<th>Number of Cables</th>
<th>Stranded Conductors</th>
<th>UMD - 25mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>50 / 1 / 6</td>
<td>450</td>
<td>675</td>
</tr>
<tr>
<td>2.5</td>
<td>75 / 1 / 6</td>
<td>900</td>
<td>1897</td>
</tr>
<tr>
<td>25</td>
<td>100 / 1 / 6</td>
<td>2219</td>
<td>2603</td>
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<td>300 / 3 / 6</td>
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<tr>
<td>Compartment Factor</td>
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</tr>
<tr>
<td>Cable Factor</td>
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<tr>
<td>36.3</td>
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</tbody>
</table>

### Wall Trunking Cable Capacity Guide Chart

<table>
<thead>
<tr>
<th>Cross Section area (sq.mm) of Cables</th>
<th>NCT1050</th>
<th>NCT 5050</th>
<th>NBT 4</th>
<th>Stranded Conductors</th>
</tr>
</thead>
<tbody>
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<td>688</td>
<td>1420</td>
<td></td>
</tr>
<tr>
<td>2.5</td>
<td>93</td>
<td>47</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>70</td>
<td>36</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>47</td>
<td>23</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>29</td>
<td>15</td>
<td>23</td>
<td></td>
</tr>
</tbody>
</table>

### Mini Trunking Cable Carrying capacity chart

<table>
<thead>
<tr>
<th>Cross section area (sq.mm) of Cables</th>
<th>NCT1050</th>
<th>NCT 5050</th>
<th>NBT 4</th>
<th>Solid Conductors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>1775</td>
<td>688</td>
<td>1420</td>
<td>7.1</td>
</tr>
<tr>
<td>2.5</td>
<td>104</td>
<td>52</td>
<td>84</td>
<td>10.2</td>
</tr>
</tbody>
</table>

### Prestige 3D Cable carrying capacity chart

<table>
<thead>
<tr>
<th>Cross section area (sq.mm) of Cables</th>
<th>Cable Factor</th>
<th>No. of cables in compartment 1</th>
<th>No. of cables in compartment 2 with mounting box</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>8.6</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>2.5</td>
<td>12.6</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>4</td>
<td>15.6</td>
<td>27</td>
<td>27</td>
</tr>
<tr>
<td>CAT 6</td>
<td>18.6</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

The tables above indicate the cable carrying capacity of Cable Management Systems, based on a 30% utilization factor as recommended by IEE Regulations using PVC-insulated multi-strand cables to BS 6004–1999.
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- British Council, Barista, SBI - Delhi
- Xansa Software - Noida & Chennai
- ST Micro Electronics - Noida
- LG Electronics, National Institute of Biologicals - Noida
- Nestle, Gillette, Powergrid, Daish Con - Gurgaon
- DHDO - Agra
- IIM - Indore
- Quark Media House - Mohali
- G D Goenka School - Haryana
- Oriental Training Institute - Faridabad
- Apollo Pharmacy/Clini - Salem, Hyderabad, Ahmedabad, Mumbai
- Glaxo SmithKline - Kolkata
- Haldia Petrochemicals - Kolkata
- Wipro - Kolkata
- Bartman (P) Ltd - Kolkata
- Times of India - Kolkata
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- BSNL - Chennai, Bangalore, Thrissur
- CTS, TCS, Scientific Atlantic - Chennai
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- Tata Tele Services - Chennai, Delhi, Kolkata
- Hyundai Motors India Ltd - Sriperumbudur
- GE Capital International Services, Dr. Reddy Laboratories - Hyderabad
- HSBC - Visag, Kolkata, Hyderabad, Sri Lanka
- Taj Group of Hotels - Chennai, Bangalore, Mumbai
- Indian Air Force Training Centre - Bangalore
- Satyam Computers, MRI TEK - Bangalore
- Stock Holding Corporation of India Limited - Bangalore
- Microsoft, Motorola, People Soft - Bangalore
- Stock Holding Corporation of India Limited - Bangalore
- Microsoft, Motorola, People Soft - Bangalore
- Oracle, Siebel, Digital Global Soft - Bangalore
- ISRO - Trivandrum, Bangalore, Ahmedabad
- Rajiv Gandhi Biotechnology, Federal Bank - Kerala
- Hutchinson Max Telecom Pvt Ltd - Mumbai, Delhi
- ICICI One Source, Daish Con Centre Mumbai
- Wockhardt & Rariba Labs - Mumbai
- Nicholas Pharma R&D - Mumbai
- Chief Minister Office - Gujarat & Kerala
- Sun, Torrent Pharmaceuticals - Baroda
- Alomgic Chemicals Limited - Baroda
- Titan Time Products Ltd - Goa
- Goa State Secretariat - Goa
- Silver Spring Pleasure Resorts - Goa
- Aditya Birla - Wapi
- Hotel Grand Hyatt, BSES C&D - Vasai
- Mind Tree, Fidelity, Gold Man Sachs - Bangalore
- United Bank of Scotland - Hyderabad
- Microsoft - Hyderabad & Gurgaon
- IRCCON - Delhi
- GENPAC - Kolkata & Jaipur
- ONGC - Mumbai
- Slash Support - Chennai
- IBM - Gurgaon
- HIL R&D - Bangalore
- Target - Bangalore
- Netapp - Bangalore
- Oriental Insurance - Delhi
- SSIMS - Davenhere
- Accenture - Chennai
- Science Museum - Surat
- Reliance Retail - Mumbai, Hyderabad, Bangalore & Gurgaon
- Honda Siel - Greater Noida
- Pernio - Chennai
- BMW - Gurgaon
- International Airport - Delhi
- Common wealth stadiums - Delhi
- IIM - Kolkota

Lake Palace, Udaipur

Tidel Park, Chennai

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Regd Off: ‘Crescendo’, 995-B, Second Avenue, Ananagar, Chennai - 600 040, India.
Tel: +91-44-66325769 Fax: +91-44-26161235 E-mail: mkteam@honeywell.com
Website: www.mkelectricindia.com

BANGALORE
Third Floor, Chambers @ Mantri, Municipal No. 10, Richmond Road, Bangalore - 560 025.
Tel: +91-80-07124120/21/22/23 | E-mail: mkbangalore@honeywell.com

CHENNAI
‘Crescendo’, 985-B, Second Avenue, Anna Nagar, Chennai - 600 040.
Tel: +91-44-66326789 | Fax: +91-44-26161235 | E-mail: mkchennai@honeywell.com

COCHIN
41/2556, 8-A 2nd Floor, Metro Palace, Opp. Town Railway Station, Cochin - 682 016.
Tel: +91-484-2398806 | Tel / Fax: +91-484-2394732 | E-mail: mkcochin@honeywell.com

HYDERABAD
Surasree House, #8-3-569/1, 4th Floor, Erramanzil ‘X’ Roads, Khairatabad, Hyderabad - 500 082.
Tel: +91-40-66410631 | Fax: +91-40-66410630 | E-mail: mkhyderabad@honeywell.com

KOLKATA
Srijan Techpark, 8th Floor, DN-52, Salt Lake, Sector-V, Kolkata - 700 091.
Tel: +91-33-65283993/94 | Fax: +91-33-65283701 | E-mail: mkkolkatta@honeywell.com

MUMBAI
Eco-elite Building, 2nd Floor, Marol Naka, Road, Marol, Next to Zakharia Industrial Estate,
Andheri (E), Mumbai - 400 059 | Tel: +91-22-6750680/81 | Fax: +91-22-6750682
E-mails: mkmumbai@honeywell.com

NEW DELHI
Plot No.2-A, Corner Market, Malviya Nagar, New Delhi-110 017.
Tel: +91-11-6737433/34 | Fax: +91-11-6787102 | E-mail: mkdelhi@honeywell.com

Call our Customer Care Number - 1800 103 3848 on weekdays from 9 A.M. to 6 P.M.
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