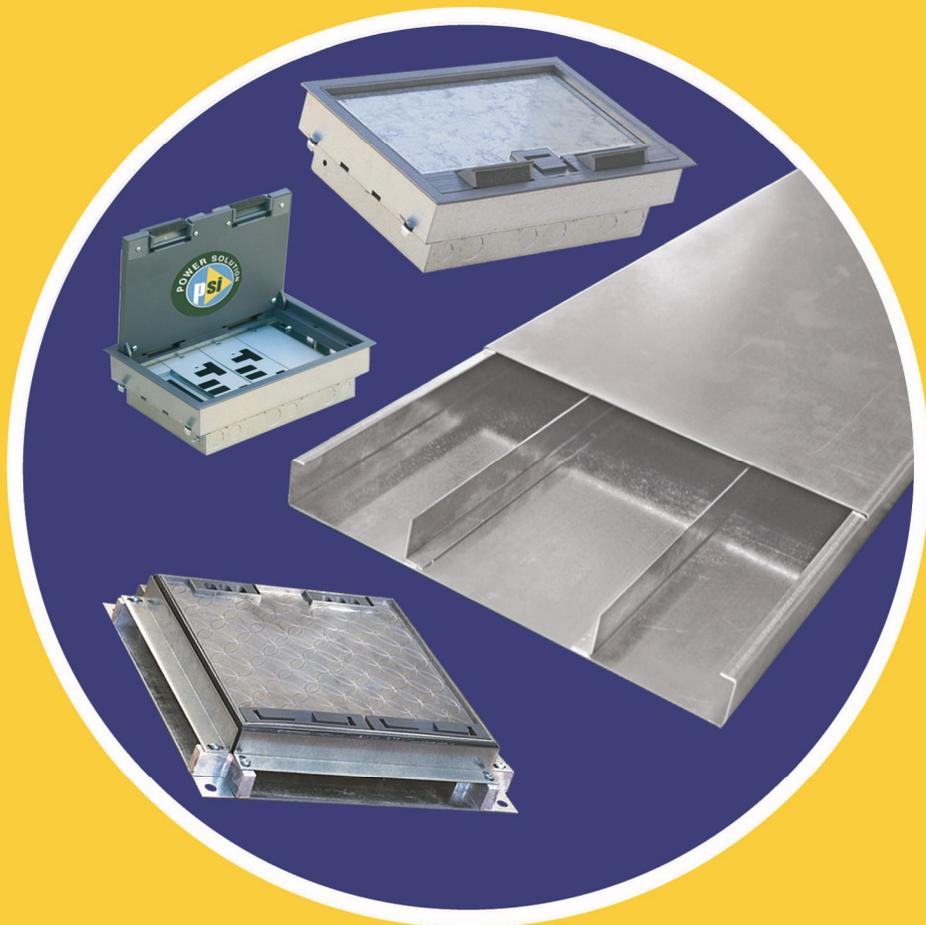


Power Solution Industries



FLOOR TRUNKING SYSTEM



A C A B L E M A N A G E M E N T S Y S T E M

CONTENTS

FLOOR CABLE MANAGEMENT SYSTEMS	1
UNDER FLOOR CABLE MANAGEMENT	3
PATTERN DESIGNS	4
IN SCREED(UNDER FLOOR) SYSTEM	6
JUNCTION BOXES	8
UNDER FLOOR SERVICE OUT LET	9
INSTALLATION PROCEDURES	11
RAISED FLOOR TRUNKING	13
RAISED FLOOR SERVICE OUT LET BOX	15
SPECIAL MOUNTING PLATES	17
SYSTEM COMPONENTS	20



ISO 9001 : 2008 Certified



QUALITY ASSURANCE

Power Solution Industries quality plan conforms comprehensively to ISO 9001:2008. The quality assessment and reviews are carried out by DET NORSKE VERITAS.

The organization defines its quality objectives at the various levels of the company in order to achieve continual improvement in quality management system.

Floor Cable Management Systems

The infrastructure of Commercial, Industrial and Residential buildings worldwide have become complex in the modern era. The architectural designs of the past two decades have shown that more buildings were completed with “glass facades” whereby aiding natural lighting and natural heating / cooling, in turn reducing the energy costs. The concept of green buildings paved way for more stringent measures in energy conservation along with lesser carbon emissions and footprints. Modern buildings now have less retaining and separation walls therefore the only method for distributing power, data and voice is through the floor and roof.

Such new requirements of cable management require efficient and applicable methods of distribution and hence evolution of floor distribution systems came into practice. The different types of floor cable management systems are as follows.

Under Floor Cable management system : Popularly known as the in-screed type, where the trunking will be submerged / buried within the screed or concrete and only the boxes (service outlets / junctions) are visible at the final finished floor level. It is one of the most widely used floor systems for public utility buildings such as airports, bus terminals, railway stations, shopping malls, hospital, schools, colleges and is more commonly used for floor finishes such as tiled, vinyl, marble or granite floors. Carpet application is also allowed with this type of floor cable management system.

Flush Floor Cable Management System: A popular methodology adopted for commercial offices where the trunking, as well as the boxes, are on finished floor level. This type is widely used in “shell & core” type of buildings where each tenants have their own power & data/voice distribution plan. In most of the cases, this is used for dry clean, carpeted floors offering a better flexibility over the in-screed system.



UNDER FLOOR TRUNKINGS

Raised Floor Cable Management System: Popularly known as cavity flooring ,whereby there is a raised false floor above the slab. Raised floor trunking its on the slab level and cable distribution is carried through the trunking terminating in floor boxes which are mounted in to the raised false floor .An application which is generally only followed for “dry clean” carpeted application. The raised floor system is considered to be the most flexible mode of cable management as it allows service outlet relocation in any direction.

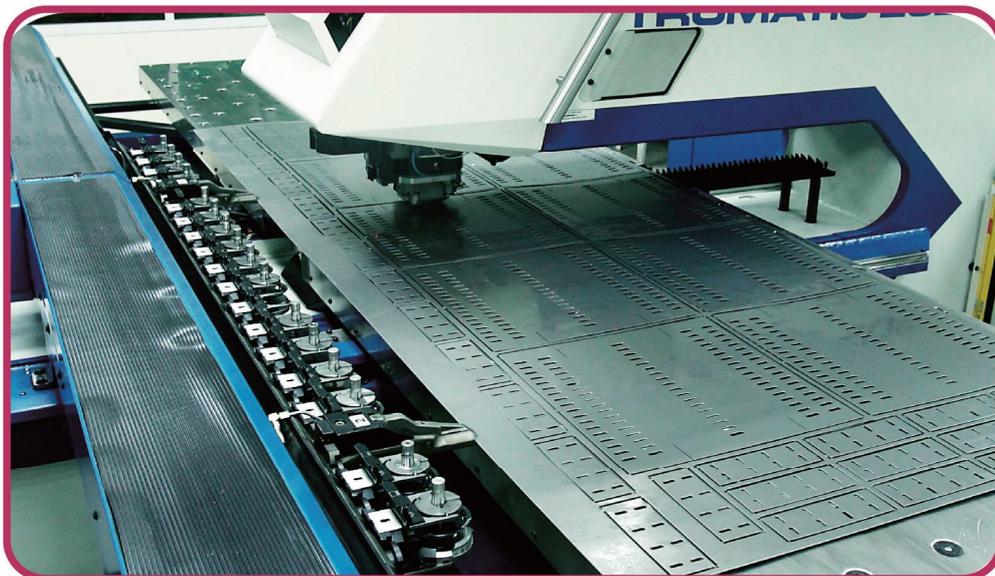
General Comments: Ideally the design engineers ,architects, consultants, etc, choose the type of cable management modality depending on the type of building and its application.

Power Solution industries offer all the three system making us a complete solution provider in floor cable management system.

Combined with our technical and design capabilities, Power Solution industries are in a position to provide the solution to the most complex and demanding cable management requirement whilst complying to all renowned industry standards application in floor cable management distribution.

Our product are designed to be adapted for the entire cross section of the floor cable management options.All components of the system are manufactured to stringent quality procedure in our facilities location in Unites Arab emirates and Saudi Arabia.

All our standard product are warranted for a period 12 months from date of installation or 18 months from date of procurement*



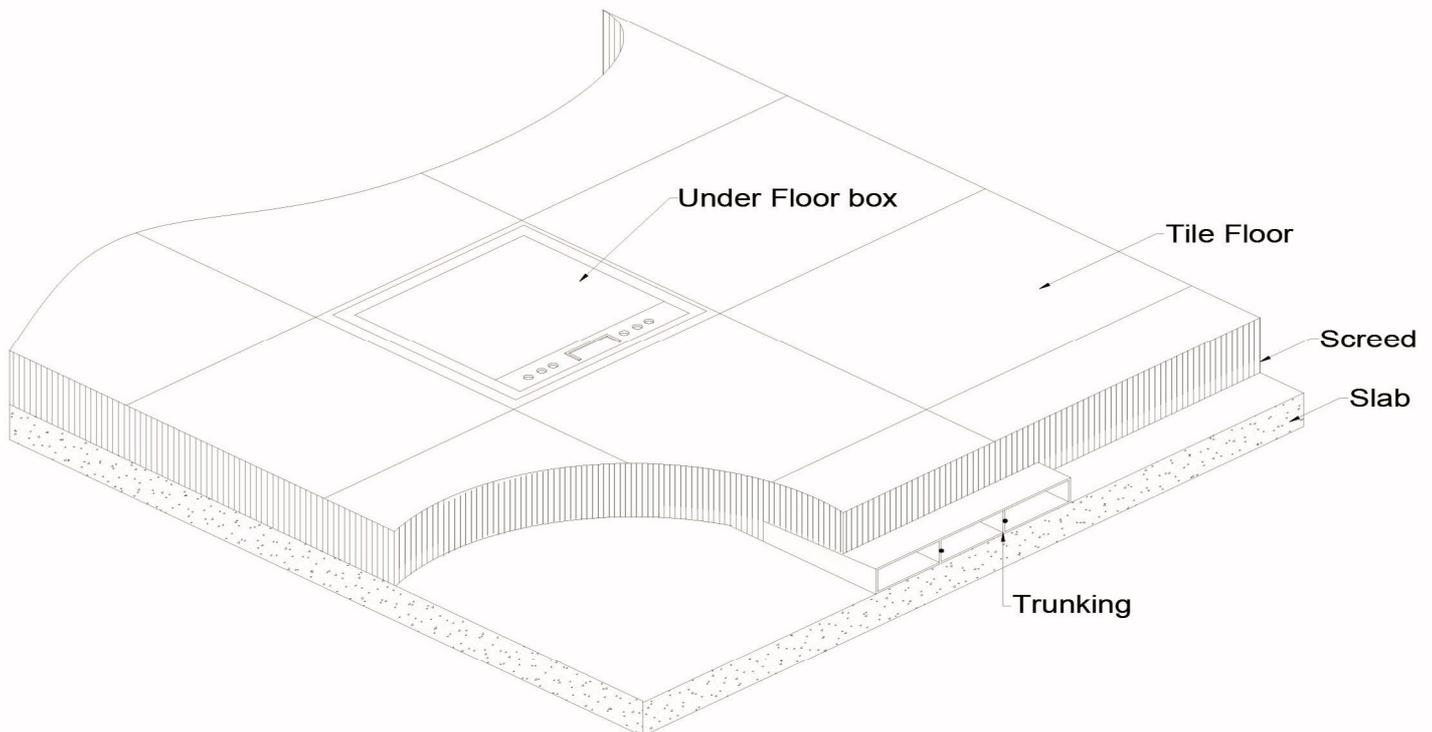
UNDER FLOOR CABLE MANAGEMENT SYSTEMS

Power Solution Industries under floor cable management systems are designed for distribution of power, data and voice services in floors where the trunkings are fully buried under the screed. These types of installations are also known as in screed trunking systems.

Power Solution Industries under floor systems are designed to suit all types of in-screed floor cable management system requirements with complete accessories such as the couplers, end caps, vertical risers, junctions, service outlet boxes etc. whereby completing the entire range.

Under floor cable management systems are used in large public projects such as the airports, commercial offices, hospitals, stadiums, hotels, metro stations, large shopping malls, super markets ,etc.

The applications are mostly for wet clean applications, where the floor finish will be either by tiles, granite, mosaic, marble etc. The system can be also used for dry clean applications, i.e. for carpet, vinyl, wood, parquet floorings, etc.



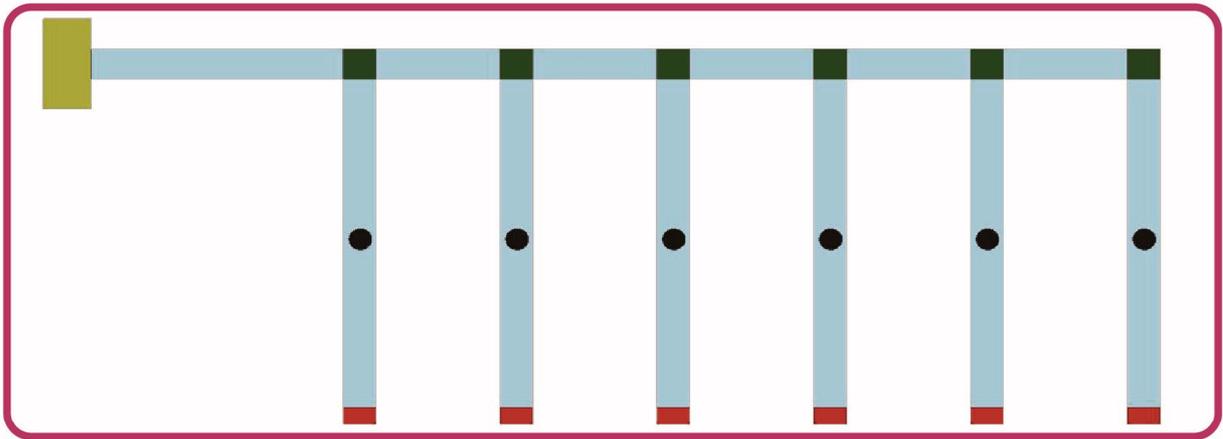
Typical layout of Underfloor Trunking system (Tiled Application)

UNDER FLOOR TRUNKINGS

THE UNDER FLOOR LAYOUT PATTERN CAN BE EITHER OF THE FOLLOWING:

Comb Design :

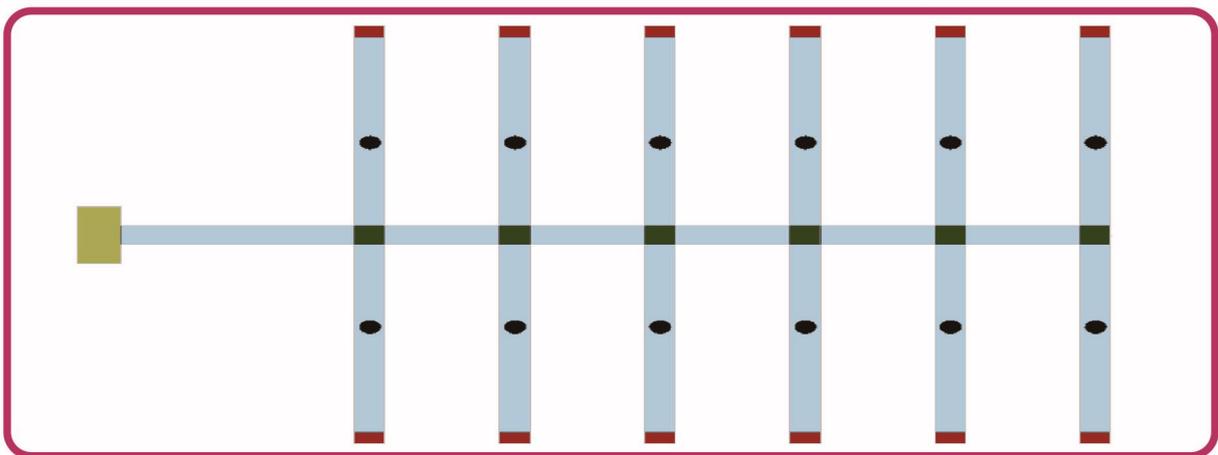
Mostly suitable for low density service area. This is also the most cost effective solution for any type of floor trunking.



Typical Comb Design

Fish Bone Design:

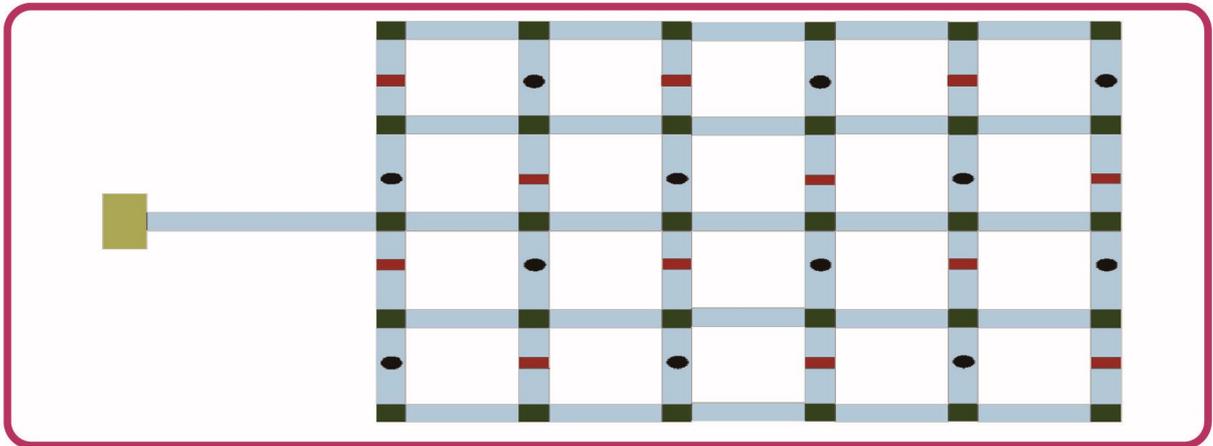
One of the most commonly followed designs which ensure maximum flexibility in terms of re-organizing the boxes as per the tenants requirements.



Typical Fish Bone

Grid Pattern Design:

Most expensive compared to the other two designs, but highest in terms of flexibility. This design gives the tenant higher convenience in terms of re-organizing the work places when it comes to commercial establishments.



Typical Grid pattern



Typical in-screed type installation site

UNDER FLOOR TRUNKING

(In-screed type trunking)

Part Ref.	Trunking Size(WxH)mm	No.Of Compartments (Comp.size)mm
Branch Trunking		
UFT 225/28	225mmx28mm	3(75mmx75mmx75mm)
Header Trunking		
UFT 275/28	275mmx28mm	3(100mmx75mmx100mm)
UFT 300/38	300mmx38mm	3(100mmx100mmx100mm)

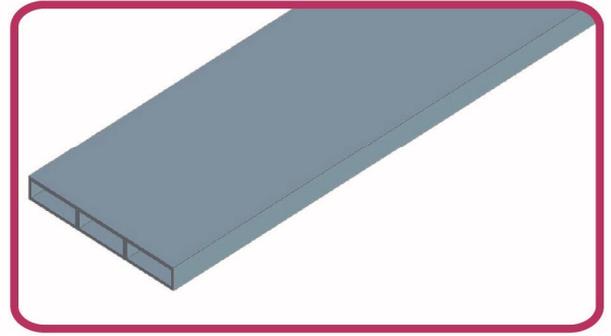
Power solution industries unique design formed by dual sections makes it's the most robust trunking available in the market and also has a high load bearing capacity.

Other sizes are possible on special project requirements in Header & Branch Trunking.

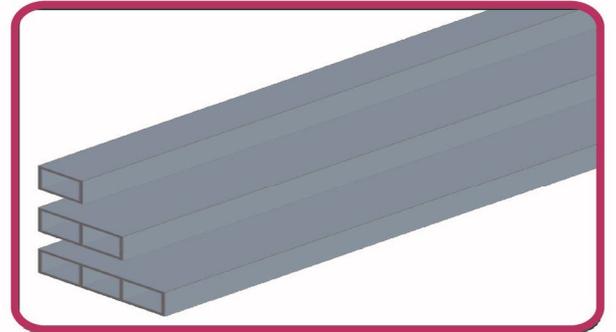
Length	Thickness	Components
2.44 M/ 3 M	1.2 mm / 1.6mm	Trunking body
2.44 M/ 3 M	1.2 mm / 1.6mm	Trunking cover
2.44 M/ 3 M	1.2 mm	Seperators

(Special thickness of 2 mm can be offered)

Standard Finish :Pre Galvanized sheet steel to BS EN10142: 1991 / BS4678



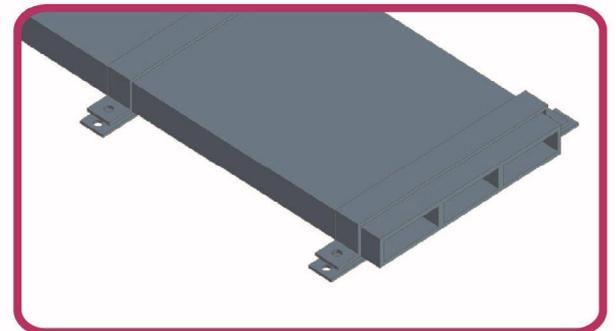
Three Compartment GI Trunking in 2.44 Meter



COUPLER

For Connections between the lengths and also for holding the trunking on the slab. Different sizes of the same are available along with different sizes of trunking.

Part Ref.	Trunking Size(WxH)mm	No.Of Compartments (Comp.size)mm
UFC 225/28	225mmx28mm	3(75mmx75mmx75mm)
UFC 275/28	275mmx28mm	3(100mmx75mmx100mm)
UFC 300/38	300mmx38mm	3(100mmx100mmx100mm)



COUPLER

*Other sizes are possible for special project requirements.

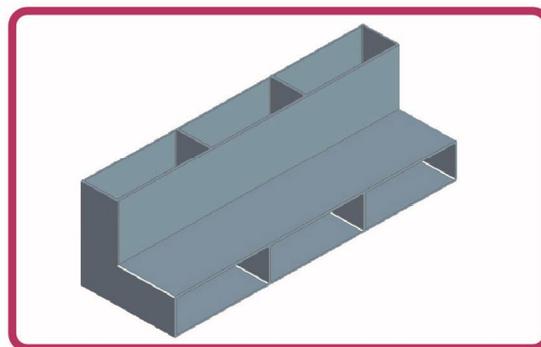
FLOOR TRUNKING SYSTEM

VERTICAL RISER BEND

used for Connection between the feeding center/ distribution board.

Part Ref.	Trunking Size(WxH)mm	No.Of Compartments (Comp. size)mm
VR 225/28	225mmx28mm	3(75mmx75mmx75mm)
VR 275/28	275mmx28mm	3(100mmx75mmx100mm)
VR 300/38	300mmx38mm	3(100mmx100mmx100mm)

Thickness : 1.2 mm

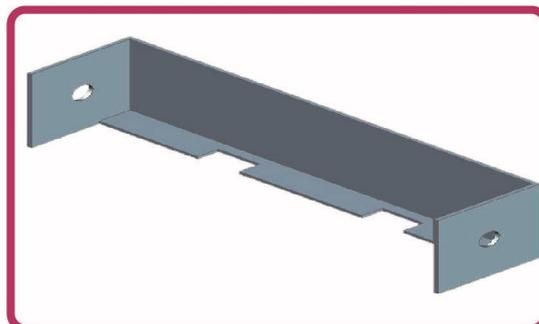


VERTICAL RISER BEND

END CAP

End cap is the device used for closing the trunkings at end points.

Part Ref.	Trunking Size(WxH)mm	No.Of Compartments (Comp. size)
EC 225/28	225mmx28mm	3(75mmx75mmx75mm)
EC 275/28	275mmx28mm	3(100mmx75mmx100mm)
EC 300/38	300mmx38mm	3(100mmx100mmx100mm)



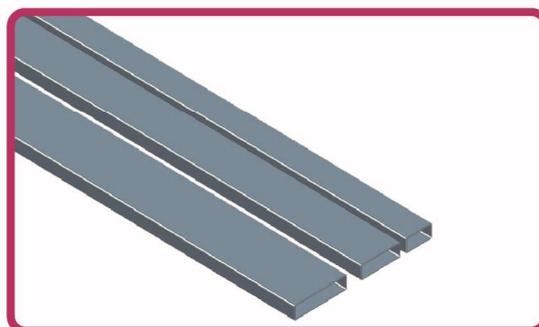
END CAP

uPVC Ducts (Trapezoidal shape for higher strength)

Material: High impact uPVC Plastics

Standard length is 2.9 m

Part Ref.	(WxHxT mm)	No.Of Compartments
UPVD 5025R	50mmx25mmx2.5mm	1
UPVD 7525R	75mmx25mmx2.5mm	1
UPVD 7525R1	75mmx25mmx3.2mm	1
UPVD 10025R	100mmx25mmx2.7mm	1
UPVD 10025R1	100mmx25mmx3.2mm	1



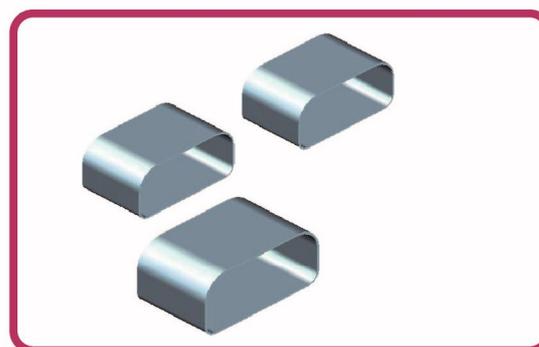
uPVC DUCT

JOINING SLEEVES

Joining Sleeves are used to connect the ducts.

Material: High impact uPVC plastics

Part Ref.	(WxHxT mm)	No.Of Compartments
UPVS5025C	50mmx25mmx2.5mm	1
UPVS7525C	75mmx25mmx2.5mm	1
UPVS7525C1	75mmx25mmx3.2mm	1
UPVS10025C	100mmx25mmx2.7mm	1
UPVS10025C1	100mmx25mmx3.2mm	1



JOINING SLEEVES

Other trunking sizes are also possible as specials.

UNDER FLOOR TRUNKINGS

JUNCTION BOXES

These boxes are for both Header and Branch Trunkings for having junctions in Crosses, Tee, L types. It comprises of the following components :-

Base Box

Cross over or Fly over for changing the cable directions

Trap & Frame or Cassette

The base box is made in galvanized sheet steel with height adjustments from 56-90/95 mm & made from pre-galvanized sheet steel conforming to BS 10142: 1991 (Z275NAC) or JIS G 3302: 1994 (Z27)

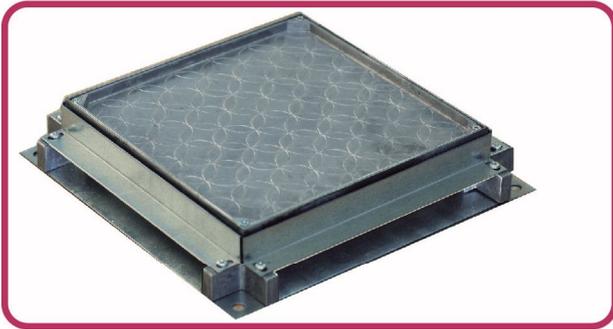
The box frame is made of high pressure die cast zinc alloy rust proof material.

Pillar support with high pressure die cast zinc alloy, where height is adjustable.

Cross over / fly over constructed from pre-galvanized sheet steel complies to IEEE regulations.

Trap & Frame is available in two options with a recess of 6 mm for carpet application and 9 mm for tile /marble finish.

Junction boxes available in three different sizes to suit the header and branch trunking.



Part Ref.	LxWxH mm	No.Of Compartments	Max.Trunking Entry (WxH)	Cover Recess In mm	Application
JB250/3/DA/6	250mmx250mmx75-90 mm	3	225mmx28/32mm	6	Dry Clean
JB250/3/WC/9	250mmx250mmx75-90 mm	3	225mmx28/32 mm	9	Wet Clean
JB300/3/DA/6	300mmx300mmx75-90 mm	3	275mmx28/32 mm	6	Dry Clean
JB300/3/WC/9	300mmx300mmx75-90 mm	3	275mmx28/32 mm	9	Wet Clean
JB325/3/DA/6	325mmx325mmx75-90 mm	3	300mmx38 mm	6	Dry Clean
JB325/3/WC/9	325mmx325mmx75-90 mm	3	300mmx38 mm	9	Wet Clean

DA – Dry Applications – Carpet

WC- Wet Clean applications – Tile /Marble/ Granite

• Junction Boxes are also available in 2 Compartments and special requirements can be made on request.

* Special size Boxes can be offered on project requirement and technical data sheet can be provided.

*Leveling depth from 56-130mm possible as special.

SERVICE OUTLET BOXES

The under floor service outlet boxes are meant for mounting the wiring devices such as power sockets, data & telephone outlets. These boxes are generally 3 compartments and can be also in 2 or 4 compartments which are optional.

Under floor Service box required of the following components.

Base Box with adjustable depth from 56-90/95mm.

Epoxy Coated Service Outlet panel.

A cassette to carry the Tile /Granite /Marble for wet clean applications or a trap and frame for carpet application.

The base box to be of robust construction made with Pre-galvanized sheet steel to BSEN 10142 standards having the following composition:-

The box base frame trap frame, and outlet panel are made of hot dipped galvanized steel sheet which to BS 2898 the trap,frame and outlet panel are powder coated to provide a good finish and protection to visible parts.The side plates of the box base are designed to be used for trunking and conduit entries,recessed 6mm and 9 mm to enable it to accept carpet or vinyl tile floor finishing.

Pillar support with high pressure die cast zinc alloy Height adjustability from or 56-90/95mm.

Part Ref.	LxWxH mm	No.Of Compartments	Max.Trunking Entry (WxH)	Cover Recess In mm	Application
SB250/3/DA/6	250mmx250mmx75-90mm	3	225mmx28/32mm	6	Dry Clean
SB250/3/WC/9	250mmx250mmx75-90mm	3	225mmx28/32mm	9	Wet Clean
SB300/3/DA/6	300mmx300mmx75-90mm	3	275mmx28/32mm	6	Dry Clean
SB300/3/WC/9	300mmx300mmx75-90 mm	3	275mmx28/32mm	9	Wet Clean

* Special boxes with special height adjustability can also be offered



UNDER FLOOR TRUNKINGS

UNDER FLOOR SERVICE OUTLET (CARPET APPLICATION - Conduit Entry)

Three or Four Compartment in screed Floor Box designed for conduit entry application with polymide trap and frame. Floor box manufactured from galvanized steel 20 mm / 25 mm knockouts punched to accept PVC / GI conduits.

Designed to suit and accommodate BS plug top with 28 mm clearance. Trap & Frame (lid) made of high impact ABS. Dual Cable Exit flaps with moulded integral handle.



3 Compartment Box	
PART REF	OVERALL DEPTH
UFB 3065	65 mm
UFB 3075	75 mm
UFB 3085	85 mm

4 Compartment Box	
PART REF	OVERALL DEPTH
UFB 4065	65 mm
UFB 4075	75 mm



The above type of box can be made available in single compartment also

ACCESSORY MOUNTING PLATE

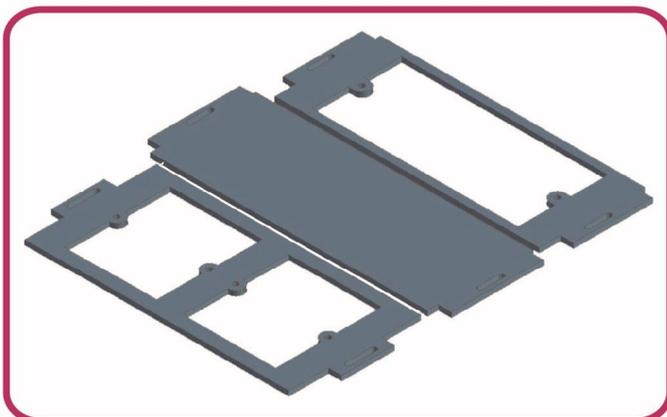
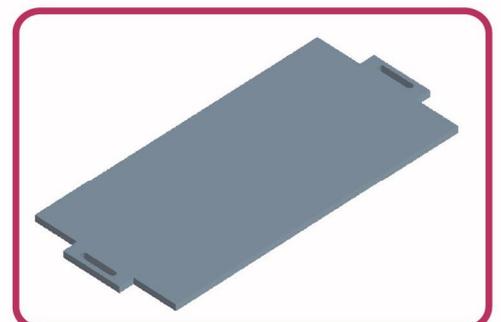
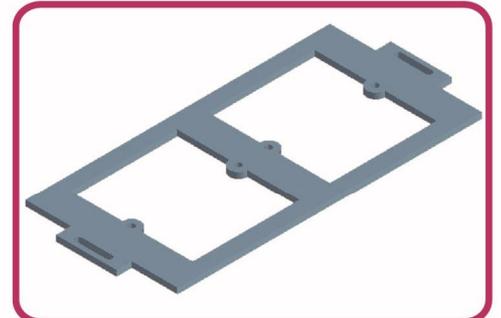
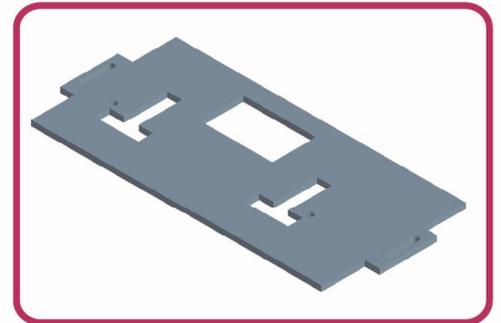
UFB-2GMSPP – Mounting Plate for 2Gang Switched Socket (Special type for particular model)

UFB-2GAS – Mounting for 2 Numbers of Single Gang Accessory (Surface Mounting)

UFB-2GAF – Mounting for 2 Numbers of Single Gang Accessory (Flush Mounting)

UFB-4LJU6C – Mounting Plate for 4 numbers LJU-6C RJ 45 Data Outlet.

*Special mounting plates can also be offered.



Installation procedures for Under Floor ducting system

Screed covered trunking systems are generally suited for all types of screed structures, cement screed, poured asphalt and floating screed. This type of ducting systems are used for large commercial areas /offices such as airports, shopping malls, hospital, universities, commercial establishments etc. The system comprises of the following components such as:-

Trunking Lengths-Ducts of various sizes and depths which carry the power and data/voice distribution.

Couplers- For connection between the lengths and also for the ground / slab hold.

Riser Bends :- For carrying the distribution from distribution centers or DB's on the vertical wall.

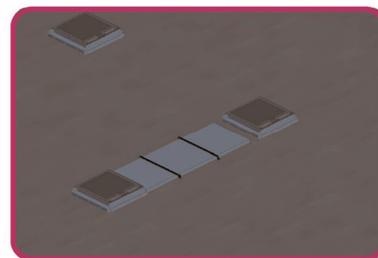
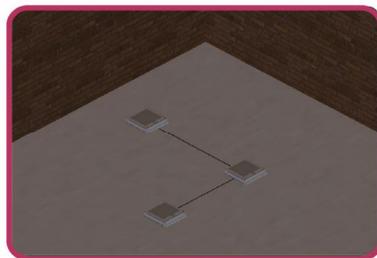
End Caps :- Closure caps at the end of trunking, which helps and protects the cables inside and also prevents from screed flowing inside.

Installation Methodology:-

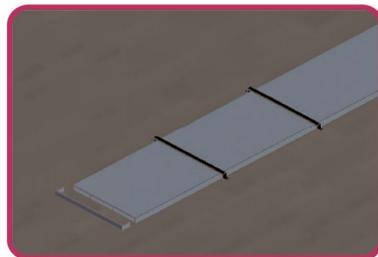
A • The slab / floor should be cleared, leveled and smooth surface should be created before the installation procedure. Having a 1 mm thick uniform ribbon screed is advisable for large installations to avoid air gaps and will also reduce the noise levels.

B • Draw mounting plan: To plan trunking routes, the crossing points ,positioning of junctions and service outlet boxes in advance and mark the same on the slab / floor using chalk line or marker.

C • Mounting of Junction boxes: Place and align the boxes at the crossing points before the mass trunking routes are determined. Always the Junction boxes and Service outlet boxes are supplied with dummy covers which are to used while screed pouring and once the screed is poured, the same can be taken out. This is to prevent screed seeping into the boxes. Generally the box leveling is done with spirit leveler.



Design the layout by chalk / marker Placing of junction / branch boxes Connecting box with trunking



Trunking connection with coupler Closing with end caps Mounting Vertical Bend



Schematic layout

D • Trunking installations: Lay the ducts in lengths according to the marked plan and use appropriate number of lengths to cover the distance and cut the lengths as per the requirement.

E • Duct Cutting: The simplest way to adjust the sheet steel is using a single handed angle grinder. After this, clean the cuts and subsequent smoothing of sharp edges are important as the cables are pulled in this type of installation.

F • Duct Couplers: Are positioned after the ducts have been cut to required size and length.

G • Equipotential bonding: All metallic parts of the trunking system must be included in the protective measure against indirect contacts with parts carrying voltage. The construction elements can be connected by soldering, welding, riveting or screwing.

H • Coupler & Trunking fixing: - The fixing points of under floor ducts are pre-specified and fixing methods are determined according to substrate. Trunking and coupler are fixed using screws to the slab or floor.

I • Riser Bends are generally fixed from the wall to the floor for carrying the power or data from the distribution point. There are various methods of installing the riser bends, which can be either flush mounted to the wall or surface mounted, which needs to be decided by the designer or engineers. The riser bends to have a cover which to have cut-outs for 20 and 25 mm conduit entry provision.

RAISED FLOOR TRUNKING SYSTEMS

Power Solution Industries Raised floor system has been specially designed for maximum flexibility in terms of services distribution. Power Solution Industries Raised floor systems are ideally suited for all types of Commercial establishments, offices and shell and core building designs. This type also ensures maximum flexibility in terms of re-arranging the service outlet boxes with changing requirements of the tenants without additional expenditure or inconvenience.

The trunkings run underneath the false floor, hence they do not bear any direct load and acts as containment services and boxes with clip on facility, fixed on to the false floor will carry the services such as power, data and voice.

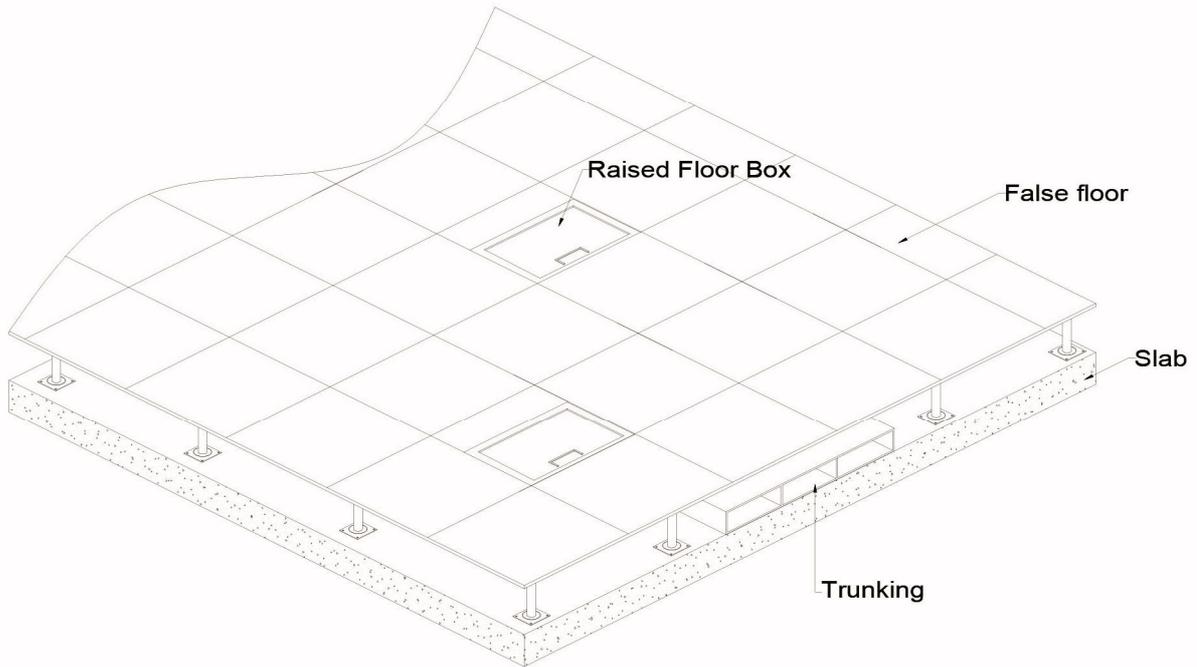
The Power Solution Industries RF Systems comprises of the following components:-

1. A Raised floor trunking with quick fix lid and bolt system to the slab.
2. Junction with cross over.
3. Service outlet boxes with 1 compartment, 2 compartment, 3 compartments or 4 compartments.
4. End caps, Vertical risers and other accessories.

The trunkings are made of pre galvanized sheet steel in accordance with BS4678. The trunking lengths are in 3 Meters. Each length comes 3 covers of 1 meter each and the material thickness will be 1.2mm for body, cover and divider.

* Epoxy coated & HDG trunking also can be offered on special project requirements

FLOOR TRUNKING SYSTEM



Typical layout of Raised Floor Trunking System



*Special trunking thickness is also possible. Trunkings can be in powder coated or epoxy finish.

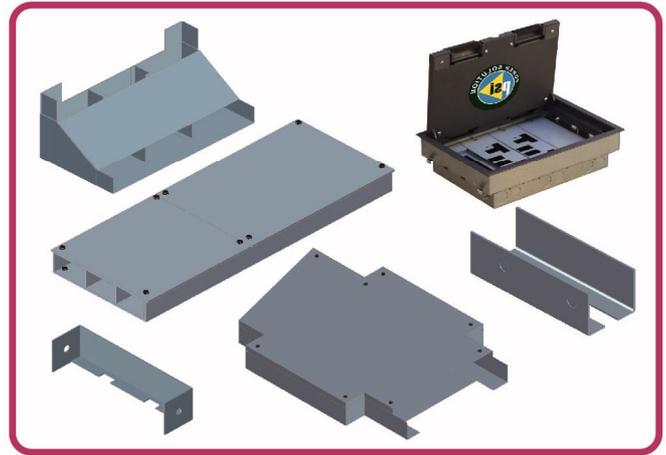


Typical Raised Floor installation

RAISED FLOOR TRUNKING



Typical Raised Floor Trunking layout



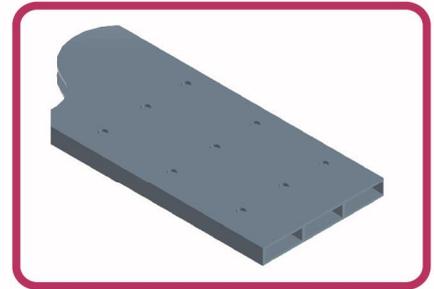
Typical components of Raised Floor Trunking

Raised Floor Trunking

Trunking length: 2.44/ 3 Meters ,Trunking covers: 3 Nos per length

Base, Cover & Dividers : 1mm or 1.2mm

PART REF		TRUNKING
2 Comp.	3 Comp.	WxH in mm
RF250/40/2	RF250/40/3	250mmx40 mm
RF350/40/2	RF350/40/3	350mmx40 mm
RF450/40/2	RF450/40/3	450mmx40 mm
RF250/50/2	RF250/50/3	250mmx50 mm
RF350/50/2	RF350/50/3	350mmx50 mm
RF450/50/2	RF450/50/3	450mmx50 mm



*Special Trunking sizes are also possible on request.

The standard lengths come in 3 Meters; however the same can be possible with 2.44 Meters too. 20 & 25 mm punches are provided on every alternative covers for outlet connection through flexible conduits. Part Ref, Nos. prefix is RF, along with trunking size/ depth/ no. of compartments.

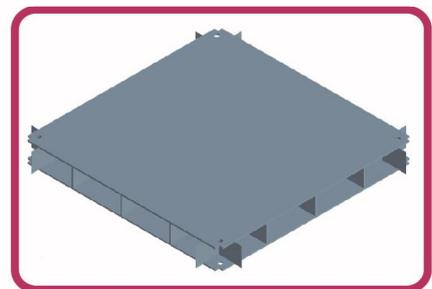
Finishes:- Pre Galvanized, Hot Dipped Galvanized, Epoxy / Power coated etc.

Junction Box

The junction boxes are used to form crosses, Tee, L-type in the layout. The boxes are built in with cross-overs. Depending on the above type of formations, the other sides to be closed using end caps.

Thickness: 1 mm or 1.2mm

PART REF		TRUNKING
2 Comp.	3 Comp.	WxH mm
RFJ250/40/2	RFJ250/40/3	250mmx40 mm
RFJ350/40/2	RFJ350/40/3	350mmx40 mm
RFJ450/40/2	RFJ450/40/3	450mmx40 mm
RFJ250/50/2	RFJ250/50/3	250mmx50 mm
RFJ350/50/2	RFJ350/50/3	350mmx50 mm
RFJ450/50/2	RFJ450/50/3	450mmx50 mm



*Special Trunking sizes are also possible on request.

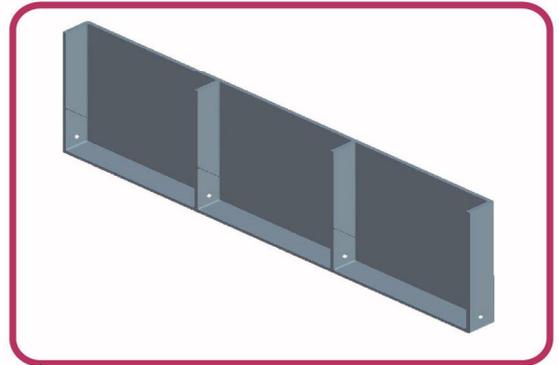
Part Nos. Prefix is RFJ along with trunking size / depth/ no. of compartments

Finishes:- Pre Galvanized, Hot Dipped Galvanized, Epoxy / Power coated etc

FLOOR TRUNKING SYSTEM

Vertical Access box: Are used for routing from the Distribution Area to the floor.

PART REF		TRUNKING WxH
2 Comp.	3 Comp.	
RFV250/40/2	RFV250/40/3	250mmx40mm
RFV350/40/2	RFV350/40/3	350mmx40mm
RFV450/40/2	RFV450/40/3	450mmx40mm
RFV250/50/2	RFV250/50/3	250mmx50mm
RFV350/50/2	RFV350/50/3	350mmx50mm
RFV450/50/2	RFV450/50/3	450mmx50mm



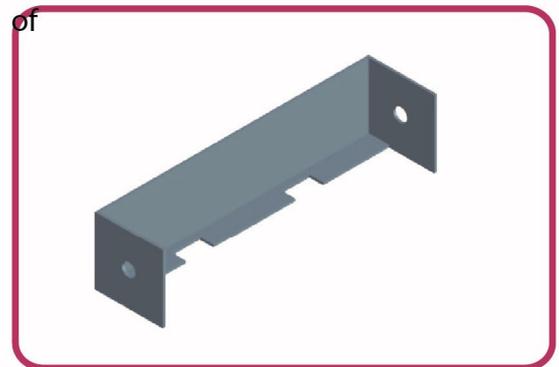
Vertical Access Box

Part Nos. prefix is RFV along with trunking size / depth/ no. of compartments for Vertical Access Box

Part Nos. Prefix is RFEC along with trunking size / depth/ no. of compartments for End Caps

End caps: Provided at the end of the trunking.

PART REF		TRUNKING WxH
2 Comp.	3 Comp.	
RFEC250/40/2	RFEC250/40/3	250mmx40mm
RFEC350/40/2	RFEC350/40/3	350mmx40mm
RFEC450/40/2	RFEC450/40/3	450mmx40mm
RFEC250/50/2	RFEC250/50/3	250mmx50mm
RFEC350/50/2	RFEC350/50/3	350mmx50mm
RFEC450/50/2	RFEC450/50/3	450mmx50mm



End Caps

Raised Floor service outlet box

- Single compartment access floor box designed for raised access floor Installations.
- Floor box manufactured from galvanized steel 20/25 mm knockouts punched to accept flexible conduit.
- Designed to suit and accommodate BS plug top with 28 mm clearance. Trap & Frame (lid) made of high impact ABS and lid manufactured from stainless steel.
- Dual Cable Exit flaps providing 60x150mm openings.
Integral moulded lifting handle.

Available depth 75 and 85 mm

PART REF	OVERALL DEPTH
RFB 1075	75 mm
RFB 1085	85 mm



RAISED TRUNKING SYSTEM

Three Compartment Raised Floor Box

Three Compartment Access Floor Box designed for Raised Access Floor Installations.

Floor box manufactured from galvanized steel 20 & 25mm knockouts punched to accept flexible conduit.

Panel size of 300x200 – 3 compartments.

Designed to suit and accommodate BS plug top with 28 mm clearance.

Trap & Frame made from flame retardant, high impact ABS lid manufactured from stainless steel
Dual Cable Exit flaps with moulded integral handle.

4 Spring fixing clips for easy fixing.

PART REF	OVERALL DEPTH
RFB 3055	55 mm
RFB 3065	65 mm
RFB 3075	75 mm
RFB 3085	85 mm



*Depth more than 85 mm can be offered as special

Four Compartment Raised Floor Box

Four Compartment Access Floor Box designed for Raised access Floor Installations.

Floor box manufactured from galvanized steel 20 & 25mm knockouts punched to accept flexible conduit.

Panel size of 300x200 – 4 compartments Designed to suit and accommodate BS plug top with 28 mm clearance.

Trap & Frame made from flame retardant, high impact ABS lid manufactured from stainless steel
Dual Cable Exit flaps with moulded integral handle.

4 Spring fixing clips for easy fixing

PART REF	OVERALL DEPTH
RFB 4055	55 mm
RFB 4065	65 mm
RFB 4075	75 mm
RFB 4085	85 mm



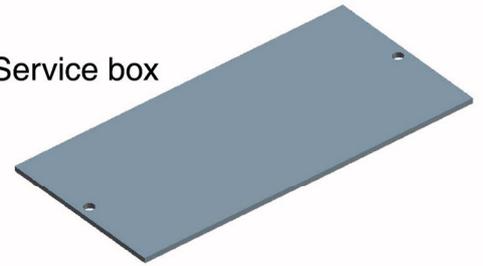
*Depth more than 85 mm can be offered as special

FLOOR TRUNKING SYSTEM

Accessory Mounting Plates

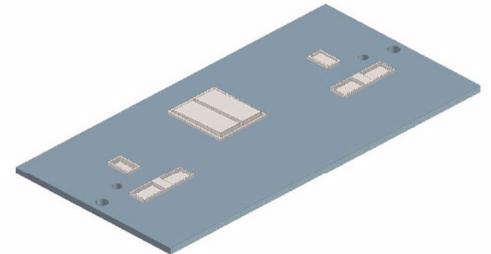
Blank Plate : Used for covering the un-used compartment inside a Service box
88 mm wide plate Surface Mounting.

PART REF	No.Comp.
BP1CS	1
BP3CS	3
BP4CS	4



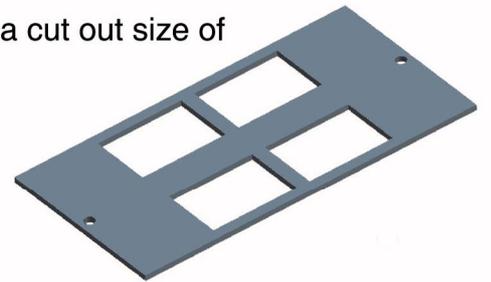
Mounting Plate For two Gang switched Socket Outlet.
(Flush Mounting type)

PART REF	No.Comp.
2GS1CF	1
2GS3CF	3
2GS4CF	4



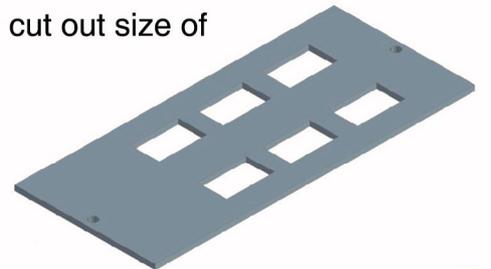
Mounting Plate For Four Nos : RJ-45/LJU6C Data Modules having a cut out size of
22x37 mm Surface mounting.

PART REF		No.Comp.
Surface Mounting	Flush Mounting	
4LJ1CS	4LJ1CF	1
4LJ3CS	4LJ3CF	3
4LJ4CS	4LJ4CF	4



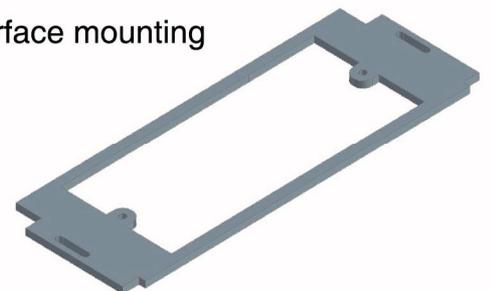
Mounting Plate For Six Nos : RJ-45/LJU6C Data Modules having a cut out size of
22x37 mm Surface mounting.

PART REF		No.Comp.
Surface Mounting	Flush Mounting	
6LJ1CS	6LJ1CF	1
6LJ3CS	6LJ3CF	3
6LJ4CS	6LJ4CF	4



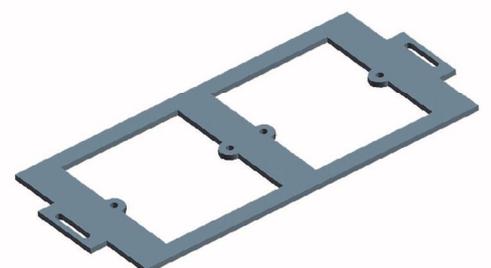
Mounting Plate For two Gang Accessory Outlet (Single Cutout) Surface mounting
and Flush Mounting.

PART REF		No.Comp.
Surface Mounting	Flush Mounting	
2G1CS	2G1CF	1
2G3CS	2G3CF	3
2G4CS	2G4CF	4



Mounting Plate For two Nos. (one Gang 3x3" accessory.)
Surface mounting and Flush Mounting.

PART REF		No.Comp.
Surface Mounting	Flush Mounting	
1G1CS	1G1CF	1
1G3CS	1G3CF	3
1G4CS	1G4CF	4



RAISED FLOOR TRUNKING

Special mounting plates are also possible, if required.

The part reference nos. indicated above table will depict the following:-

For Example:

1G – means for 1 Gang accessory

1C – means for Single compartment

2G – means for 2 Gang accessory

2GS – means for 2 Gang Switched Socket outlet of a particular make

6LJ – means 6 cut outs for LJU6C type of RJ 45 data outlet

4LJ – means 4 cut outs for LJU6C type of RJ 45 data outlet

BP – Prefix used for depicting blank plate.

Installation Methodology:-

Generally Raised floor trunking installations are carried out by specialized raised floor expert contractors. The installation procedures are simple, easy and the most flexible.

Step:-1 The supports of the raised floor must be positioned and fixed as decided in a space of 600 x 600mm before routing the trunking system.

Step:-2 The trunking routing to be finalized and the same to be laid out as per the design. Generally for main distribution trunking, called header trunking sizes are higher and branches will be of lower dimensions.

Step:-3 Initially the base of the trunking will be laid according to the design and the covers will be fixed after filling the cables.

Step:-4 Branches are from the junctions or crossovers and the all throughout the trunking bases are connected to the slab using nut and bolt. The trunking lengths are connected using couplers or connectors.

Step:-5 The trunking covers have cutout provisions (20 & 25mm) for carrying cables to the service outlet boxes.



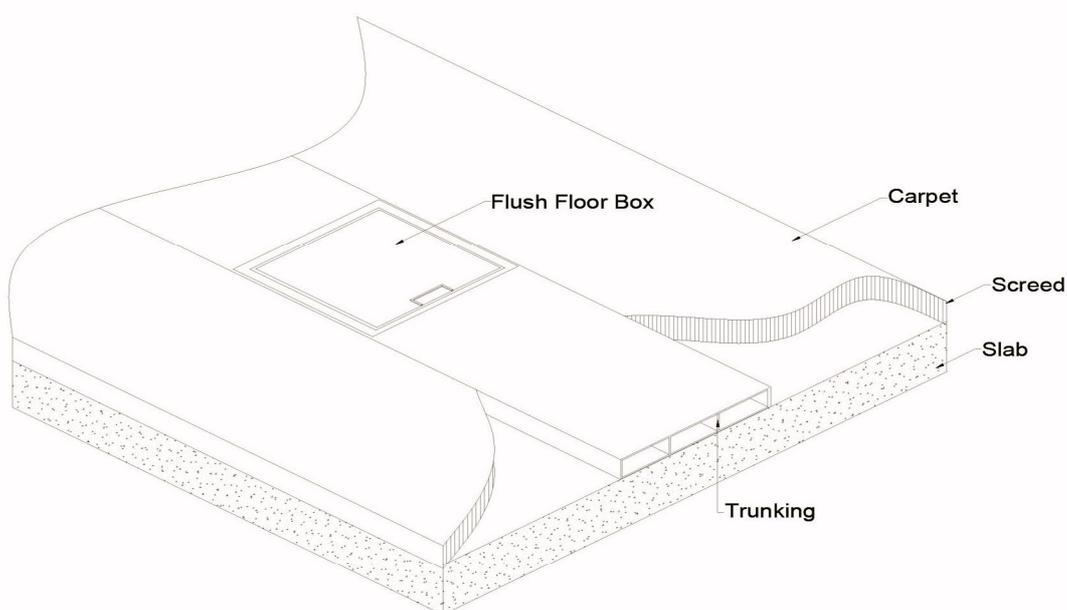
EDITION 2012

FLUSH FLOOR TRUNKING SYSTEM

Generally these type of trunking are used for commercial offices and establishment and mostly are for dry cleaned (carpet finish) floors. Flush Floor trunking has more flexibility than that the under floor system in terms of relocation of service outlet boxes along the length in any particular direction. The trunking is always at the level of the finished floor and the service outlets are directly sits on the trunking. The cable are laid in this type of trunking against pulling in the case of under floor installation.



Trunking forms the main componets of this type of system and boxes are on the trunking ,primary advantages of the system includes snap-in partitions, on pre fabrication junction required, lid fixing at any point along the trunking route and floor service outlets at any points. This drastically reduces the installation time and costs.



Typical Layout of Flushed Floor Trunking System

FLUSH FLOOR TRUNKINGS

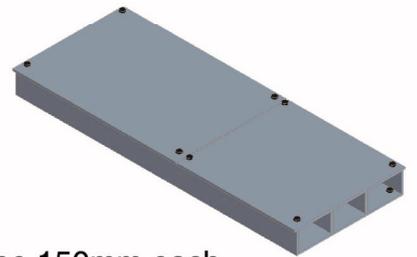
SYSTEM COMPONENTS

PART REF

FFT300-60/65

FFT450-60/65

- 300 / 450mm x 60 or 65 mm 3 Compartment Trunking with 2.5 mm base and 2.5 mm Cover plate* in 2.44 meters.
- Each Length will have three covers measuring 800mm each.
- Compartment sizes for 300mm will be 100mm each and for 450mm will be 150mm each.
*Cover plate can be at 3mm also.
- The depth can be 60 or 65 mm (Any other sizes can be special).
- 2 Numbers Snap fit partitions for compartments.
- Cover can be either plain or punched for service outlet mounting.

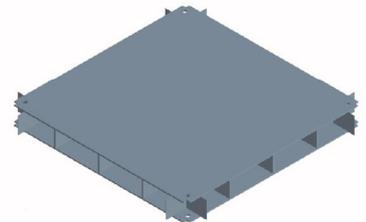


Junction Boxes :- for the trunking for routing cables. Junction box comprises of crossovers.

PART REF

FFJB 300-60/65

FFJB 450-60/65

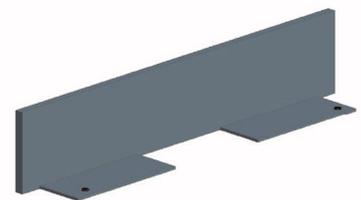


End Caps :- for the trunking at terminals.

PART REF

FFEC300-60/65

FFEC450-60/65

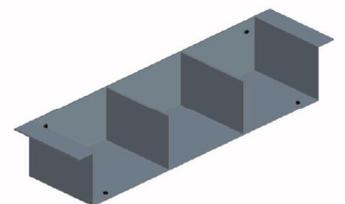


Vertical Riser Bend

PART REF

FFVB300-60/65

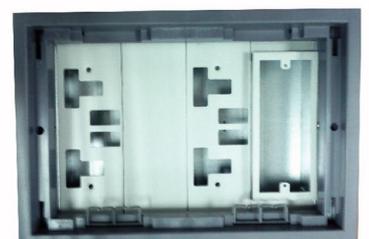
FFVB450-60/65



Service Outlet Box comprises of trap and frame and mounting tray for services installation.

PART REF

FFSB250/250



“ We carry the Power ”

CORPORATE HEADQUARTER

DUBAI

P.O Box: 113403, Dubai
Tel: 00971 - 4 - 3996671
Fax: 00971 - 4 - 3996672
sales@powersolutionme.com

FACTORY

UNITED ARAB EMIRATES

P.O Box: 16800, Ajman
Tel :00971 - 6 - 7480666
Fax:00971 - 6 - 7486435
sales@powersolutionme.com

KINGDOM OF SAUDI ARABIA

P.O Box: 245458, Riyadh
Tel :00966 -1- 2422511
Fax :00966 -1- 2445080
sales@powersolutionme.com

www.powersolutionme.com



Power Solution Industries LLC