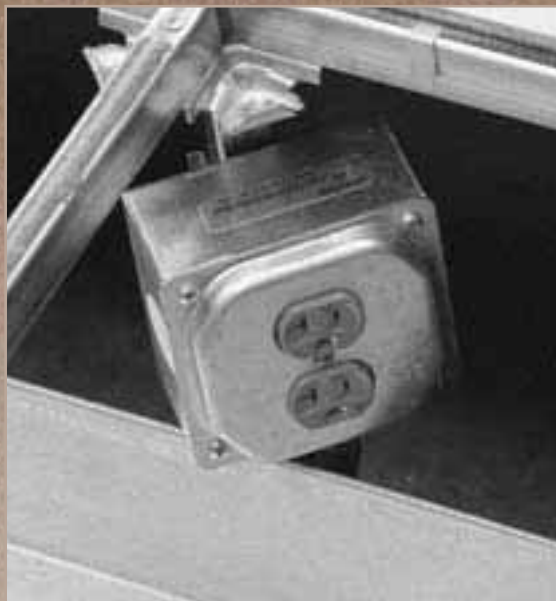


# Branch Circuit Power Systems - Raised Floor Assemblies



**PDU Cable Sets**

**Lab Boxes**

**Pedestal Mounted  
Power Points (PMPP)**

**Floor Mounted  
Power Points (FMPP)**

# Raised Floor Assemblies Technical Specifications

ACS/Uni-Fab Lab Boxes, Power Points and Floor Boxes are the building blocks for a unique, user friendly system of Computer Room Power Distribution assemblies. We combine the benefits of custom design with the flexibility and installation ease of a modular system.

This system supports all requirements between 15 and 60 Amperes - a capability not normally available on other systems. PDU Cable Assemblies are designed for raised floor branch circuit applications. They can be configured with a Bell Box and stainless steel cover or a 4" square box and industrial raised cover. The assemblies are capable of utilizing straight blade and locking type devices in a variety of configurations. Lab Boxes and PMPP's are furnished with a custom bracket for easy hand installation which eliminates the dust and metal shavings produced by drilling for conventional support methods.

All power distribution assemblies are shipped with home runs attached – made from Liquidtight, MC or jacketed MC cable, or flexible metal conduit.

Our modules are assembled from off the shelf materials to allow for easy field modifications. This means last minute design changes can be done on-site. For the long term, the same modular features, which allow for installation ease contribute to the longevity of the system. Even removal for relocation or storage can be accomplished quickly, with confidence that the system will be ready for future use.

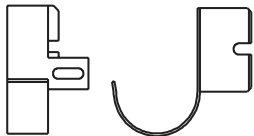
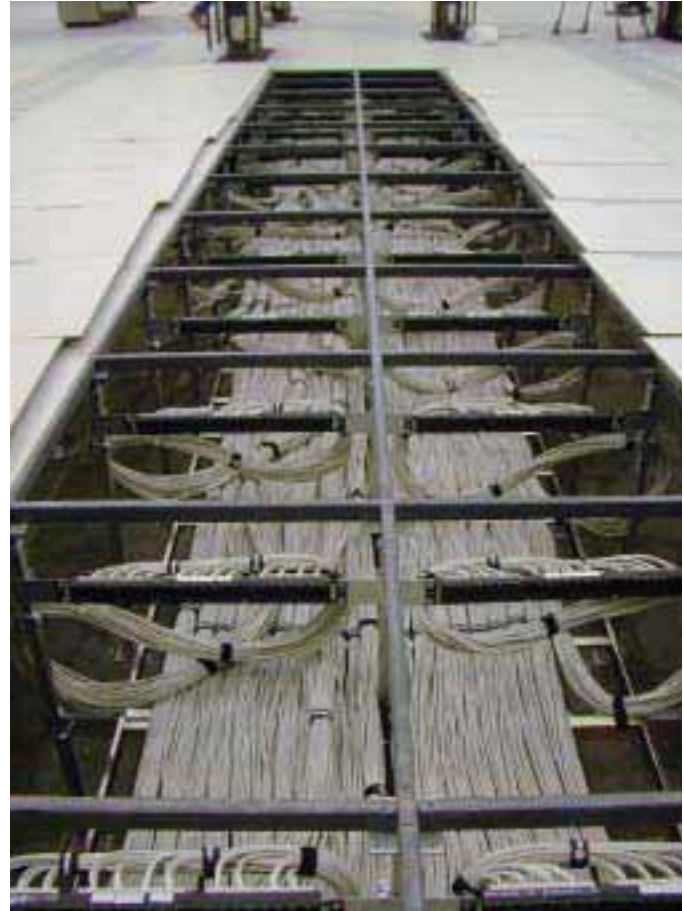


# Raised Floor Assemblies Technical Specifications

## Pedestal Mounted Supports and Mounting Brackets

ACS/Uni-Fab Mounting Brackets are designed to mount on 7/8" square or 1" round pedestals by merely tightening a wing nut. These brackets come standard on ACS/Uni-Fab Lab Boxes, PMPPs, 19" rack adapter, and our miscellaneous raised floor supports.

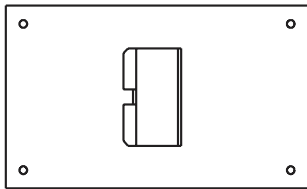
The clamping action of this bracket makes it possible to adjust the mounting height in seconds and better utilize the space under the raised floor. Custom brackets and application information are available from the factory.



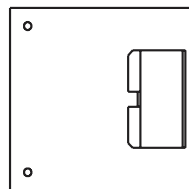
**PM-J2-V**  
With or Without Velcro Tie



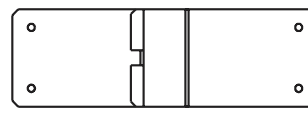
**PM Air Samp Support  
PM-AS**



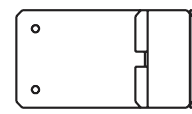
**PM Data Bracket 2 Unit Double  
PM-RP-2U-D**



**PM Data Bracket 2 Unit Single  
PM-RP-2U**

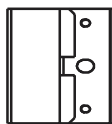


**PM Data Bracket 1 Unit Double  
PM-RP-1U-D**

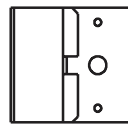


**PM Data Bracket 1 Unit Double  
PM-RP-1U-D**

### Lab Box 1 Mounting Brackets



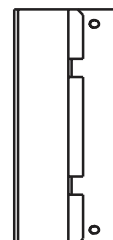
**PED Mount 45° 1/4  
PM45-1/4**



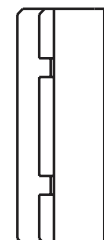
**PED Mount 90° 1/4  
PM90-1/4**



### Lab Box 4 & PMPP Mounting Brackets



**PED Mount 45°  
PM45-LB4**

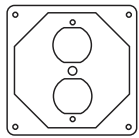


**PED Mount 90°  
PM90-LB4**

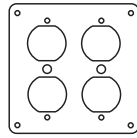


# Raised Floor Assemblies Technical Specifications

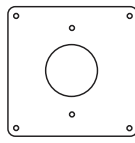
## Lab Box 1



1 Duplex Receptacle

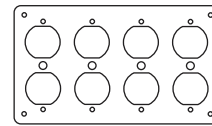


2 Duplex Receptacle

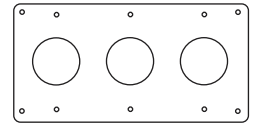


1 Twist Lock Cover

## Lab Box 4



Quad Lab Cover

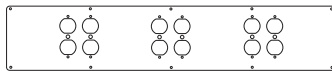


4X8 2 & 3 Twist Locker Cover

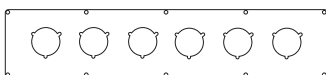
Device Capability of Each	Straight Blade	Twist Lock	Pin & Sleeve
4 Sq w/IRC	2	1	—
Bell Box w/SS Cover	2	1	—
PMPP	6	6	4

Device Capability of Each	Straight Blade	Twist Lock	Pin & Sleeve
FMPP	—	9	—
Lab Box 1	2	1	—
Lab Box 4	4	3	—

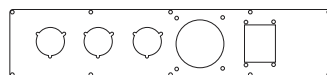
## Pedestal Mounted Power Point-(PMPP)



Triple Quad Plate

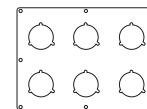


Six Twist Lock Plate

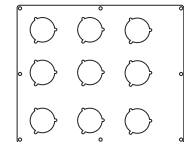


Custom Plate

## Floor Mounted Power Point-(FMPP)



FMPP 6



FMPP 9

- Assemblies are available with general purpose, isolated ground, straight blade or twist-lock devices.
- Lab 1, Lab 4 and PMPP Power Distribution Assemblies are shipped with ACS/Uni-Fab's custom pedestal supports.
- All power distribution assemblies are shipped with Home Run Cable® attached.

# Branch Circuit Power Systems - Access Floor Modules AFm and AFm/M Series



# AFm Series - Access Floor Modules Technical Specifications

The ACS/Uni-Fab AFm series access floor module offers a highly adaptable and cost effective solution for distributing power and telecommunication outlets for use in raised floor applications.

AFms are ideal for today's open office environment, as well as many other applications including computer rooms, call centers, laboratories, and clean rooms.

Designed with an attractive and durable cover, the AFm fits in floors as shallow as 2.5 inches, and accommodates carpet inserts or a matching filler plate.

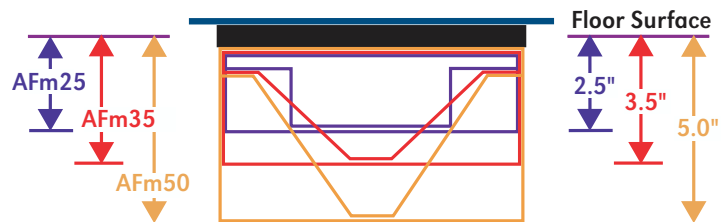
In keeping with our "Practical" approach to wiring...this solution represents the most adaptable floor box in the industry, fully compatible with ACS/Uni-Fab modular wiring systems.



## Features and Benefits

- Modules accommodate power, voice and data for maximum convenience.
- Units can be pre-wired with ACS/Uni-Fab modular wiring systems.
- Three depth profiles: 5" standard, 3.5", and 2.5" low profile.
- Cord entry doors allow quick and easy access to power and telecommunication ports.
- Three configurations support a variety of device inserts for standard and isolated ground power, and for Cat 5 UTP, fiber optics, coaxial and audio.
- Locking tabs quickly secure the module to floor panel.
- Standard color - Gray. Custom colors also available.
- Floor pattern cutout templates available.

## Three Depth Profiles



# AFm Series - Access Floor Modules Technical Specifications

## AFm25

The AFm25 provides both power and telecommunication compartments for raised floors with a minimum finished floor height of 2.5 inches. The power compartment is designed for 2 duplex receptacles, and the telecom compartment can accept 2 duplex data openings which can accommodate up to 8 data ports. The cover is suitable for both carpet and tile applications.



## AFm35

The AFm35 provides both power and telecommunication compartments for raised floors with a minimum height of 3.5 inches. The power compartment is designed for 2 duplex receptacles, and the telecom compartment can accept a single data plate which can accommodate up to 8 data ports.\* The cover is suitable for both carpet and tile applications.



## AFm50

The AFm50 provides both power and telecommunication compartments for raised floors with a height of 5 inches or greater. The power compartment is designed for 4 duplex receptacles, and the telecom compartment is designed to accept 2 data plates which can accommodate up to 16 data ports.\* The cover is suitable for both carpet and tile applications.



\* Depending on vendor or brand specified.

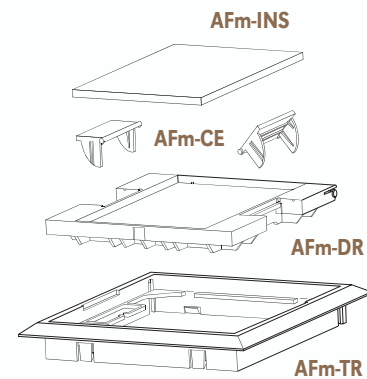
## Technical Data

Description	AFm25	AFm35	AFm50
Overall Trim Ring	10" [254mm] x 10" [254mm]	Same	Same
Module Depth, overall	2½" [64mm]	3½" [89mm]	5" [127mm]
Floor Panel Opening Req.	8⅝" x 8⅝" [± ⅛" opening]	Same	Same
Door Size	8¼" [210mm] x 8¼" [210mm]	Same	Same
Wire Chamber Volume	2 x 32 cu.in. [2 x 536 cu.cm.]	2 x 43 cu.in. [2 x 704 cu.cm.]	2 x 61 cu.in. [2 x 1003 cu.cm.]
Cord Chamber Volume	104 cu.in. [1696 cu.cm.]	145 cu.in. [2375 cu.cm.]	208 cu.in. [3407 cu.cm.]
Total Volume	165 cu.in. [2704 cu.cm.]	231 cu.in. [3785 cu.cm.]	330 cu.in. [5408 cu.cm.]
Max DuplexPower	2	2	4
Max Data Ports	8	6	12

# Access Floor Module Parts Numbers - AFm Series

## AFm - Complete Assemblies

AFm25	(1) AFm25-CO1; (2) AFm25-P2; (1) AFm-COV-DKGRY; (2) AFm-TS; (2) AFm-L1; (4) AFm-S1
AFm35	(1) AFm35-CO1; (1) AFm35-D1; (1) AFm35-P2; (1) AFm-COV-DKGRY; (2) AFm-TS; (2) AFm-L1; (4) AFm-S1
AFm50	(1) AFm50-CO1; (1) AFm50-D1; (1) AFm50-P4; (1) AFm-COV-DKGRY; (2) AFm-TS; (2) AFm-L1; (4) AFm-S1
AFm-COV-DKGRY	Dark Gray AFm Cover Complete= (1) AFm-DR; (1) AFm-TR; (2) AFm-CE



## AFm - Modular Components

### Box

AFm25-CO1	2.5" Deep 8x8 Floor Box with Standard Rectangular Data Cutout
AFm35-CO1	3.5" Deep 8x8 Floor Box with Standard Rectangular Data Cutout
AFm50-CO1	5.0" Deep 8x8 Floor Box with Standard Rectangular Data Cutout

### Cover

AFm-CE-DKGRY	Dark Grey Cord Entry Door
AFm-TR-DKGRY	Dark Grey Trim Ring
AFm-DR-DKGRY	Dark Grey Door
AFm-INS-DKGRY	Dark Grey Cover Insert

### Hardware

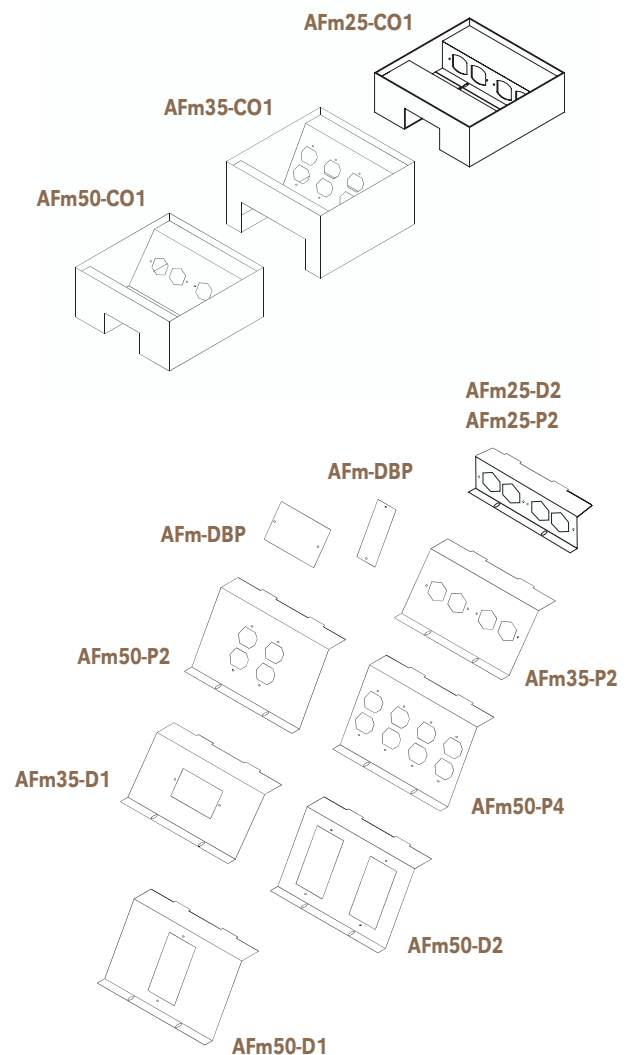
AFm-L1	Side Locking Piece
AFm-TS	#10-32 x 3/4" Thumb Screw
AFm-S1	#8-32 x 1/4" Phillips Pan type F
AFm-GS	#10-32 x 1/2" Ground Screw

### Power Plates

AFm25-P2	2.5" Double Duplex Power Plate
AFm35-P1	3.5" Single Duplex Power Plate
AFm35-P2	3.5" Double Duplex Power Plate
AFm50-P2	5.0" Double Duplex Power Plate
AFm50-P4	5.0" Double Double Duplex Power Plate
AFm-PBP	Power Blocking Plate

### Data Plates

AFm25-P2	2.5" Double Data Plate
AFm35-D1	3.5" Single Data Plate
AFm50-D1	5.0" Single Data Plate
AFm50-D2	5.0" Double Data Plate
AFm-DBP	Data Blocking Plate



# Access Floor Modules with Metal Lid - AFm/M Series Technical Specifications

## Access Floor Module Parts Numbers

### AFm/M - Complete Assemblies

AFm/M25	(1) AFm25-CO1; (2) AFm25-P2; (1) AFm/M-COV-BLK; (2) AFm-TS; (2) AFm-L1; (4) AFm-S1
AFm/M35	(1) AFm35-CO1; (1) AFm35-D1; (1) AFm35-P2; (1) AFm/M-COV-BLK; (2) AFm-TS; (2) AFm-L1; (4) AFm-S1
AFm/M50	(1) AFm50-CO1; (1) AFm50-D1; (1) AFm50-P4; (1) AFm/M-COV-BLK; (2) AFm-TS; (2) AFm-L1; (4) AFm-S1

### AFm/M - Modular Components

#### Box

AFm25-CO1	2.5" Deep 8x8 Floor Box with Standard Rectangular Data Cutout
AFm35-CO1	3.5" Deep 8x8 Floor Box with Standard Rectangular Data Cutout
AFm50-CO1	5.0" Deep 8x8 Floor Box with Standard Rectangular Data Cutout

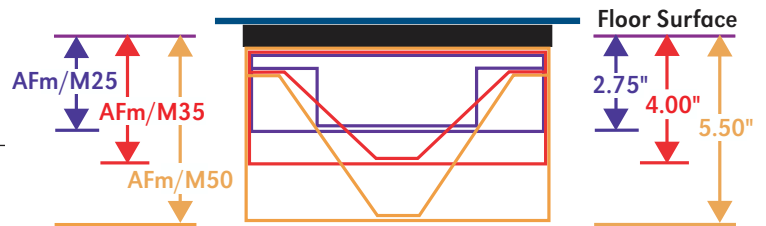
#### Cover

AFm/M-COV-BLK	Black Metal Door Assembly
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#### Hardware

AFm-L1	Side Locking Piece
AFm-TS	#10-32 x 3/4" Thumb Screw
AFm-S1	#8-32 x 1/4" Phillips Pan type F
AFm-GS	#10-32 x 1/2" Ground Screw

## Three Depth Profiles



### AFm/M - Modular Components

#### Power Plates

AFm25-P2	2.5" Double Duplex Power Plate
AFm35-P1	3.5" Single Duplex Power Plate
AFm35-P2	3.5" Double Duplex Power Plate
AFm50-P2	5.0" Double Duplex Power Plate
AFm50-P4	5.0" Double Double Duplex Power Plate
AFm-PBP	Power Blocking Plate

#### Data Plates

AFm25-P2	2.5" Double Data Plate
AFm35-D1	3.5" Single Data Plate
AFm50-D1	5.0" Single Data Plate
AFm50-D2	5.0" Double Data Plate
AFm-DBP	Data Blocking Plate

## Technical Data

Description	AFm/M25	AFm/M35	AFm/M50
Overall Trim Ring	10" [254mm] x 10" [254mm]	Same	Same
Module Depth, overall	2.75 [70mm]	4.0" [102mm]	5.5 [140mm]
Floor Panel Opening Req.	8 <sup>5</sup> / <sub>8</sub> " x 8 <sup>5</sup> / <sub>8</sub> " [ $\pm$ 1/16" opening]	Same	Same
Door Size	8 <sup>1</sup> / <sub>4</sub> " [210mm] x 8 <sup>1</sup> / <sub>4</sub> " [210mm]	Same	Same
Wire Chamber Volume	2 x 32 cu.in. [2 x 536 cu.cm.]	2 x 43 cu.in. [2 x 704 cu.cm.]	2 x 61 cu.in. [2 x 1003 cu.cm.]
Cord Chamber Volume	129.5 cu.in. [2112 cu.cm.]	170.5 cu.in. [2793 cu.cm.]	233.5 cu.in. [3825 cu.cm.]
Total Volume	165 cu.in. [2704 cu.cm.]	231 cu.in. [3785 cu.cm.]	330 cu.in. [5408 cu.cm.]
Max DuplexPower	2	2	4
Max Data Ports	4	6	12

# Access Floor Modules with Metal Lid - AFm/M-1050

## Technical Specifications

The AFm/M-1050 series access floor module accommodates up to 5 duplex power outlets and 3 data openings. The power outlets can be any combination of general purpose and isolated ground power. A single data opening can accommodate 6 data ports for a total of 18 data ports if all 3 data openings are utilized.

The AFm/M-1050 comes standard with low profile steel lid. The steel lid can accommodate a carpet or steel insert. The steel insert, useful in high-traffic areas, withstands a 1,000 pound load.

### Description

### Dimensions

Overall Trim Ring	12" [304.8mm] x 12" [304.8mm]
Module Depth, Overall	5 <sup>7</sup> / <sub>16</sub> " [138.1mm]
Floor Panel Opening Required	10 <sup>1</sup> / <sub>2</sub> " [266.7mm] + <sup>1</sup> / <sub>16</sub> " [1.59mm]
Door Size	9 <sup>1</sup> / <sub>8</sub> " [231.8mm] x 9 <sup>1</sup> / <sub>8</sub> " [231.8mm]
Wire Chamber Volume	75 cu in.
Cord Changer Volume	258 cu in.
Total Volume	408 cu in.
Maximum Duplex Power	5
Maximum Data Ports	18

