

Main Distribution Box with Homerun

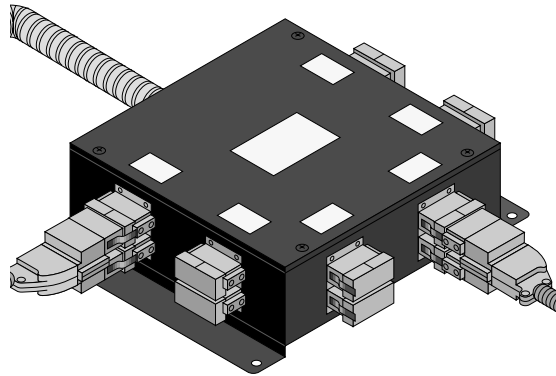
DESCRIPTION

The Main Distribution Box (MDB) is the heart of the Access Floor Modular Wiring System. It provides power to the Access Floor Modules and/or SDB distribution boxes via Extender Cables

AMERICA CABLE SYSTEMS (ACS)

The Home Run Cable is prewired to the MDB with the length of cable determined by the distance between the designated area to the electrical panel or junction box location.

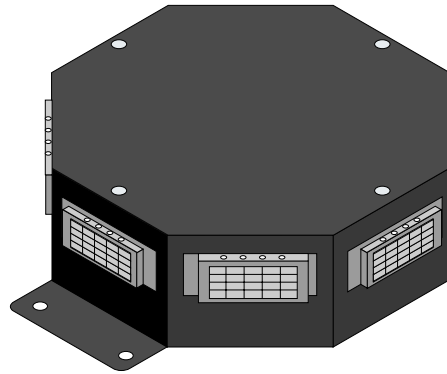
The main distribution box is available with multiple single or double port configurations which can accommodate standard or isolated ground power or a combination of both.



COMMUNICATION INTEGRATORS INC. (CII)

The Home Run Cable is attached to the MDB using prewired modular connectors with the length of cable determined by the distance between the designated area to the electrical panel or junction box location.

The main distribution box is available with multiple single port configurations with up to 10 pins which can accommodate standard or isolated ground power or a combination of both.



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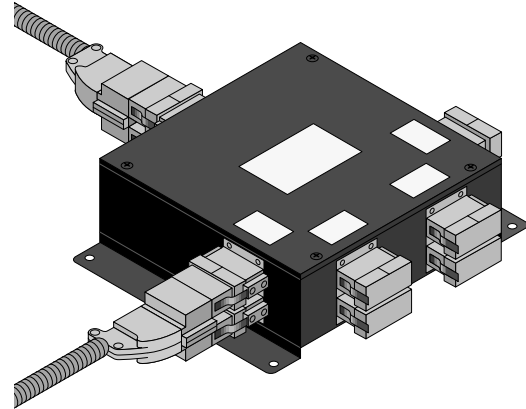
Secondary Distribution Box

DESCRIPTION

The Secondary Distribution Box (SDB) receives power from the Main Distribution Box (MDB) via Extender Cable and provides Access Floor Modules through variable length snap on Extender Cables.

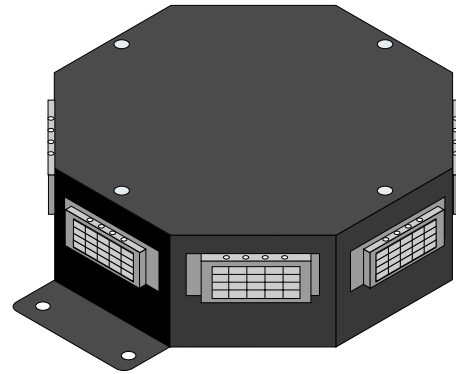
AMERICA CABLE SYSTEMS (ACS)

The Secondary Distribution Box (SDB) is available with multiple single or double port configurations which can accommodate standard or isolated ground power or a combination of both.



COMMUNICATION INTEGRATORS INC. (CII)

The Home Run Cable for the CII Main Distribution Box is modular, so the MDB also serves as the Secondary Distribution Box. The Secondary Distribution Box (SDB/MDB) is available with multiple single port configurations with up to 10 pins which can accommodate standard or isolated ground power or a combination of both.



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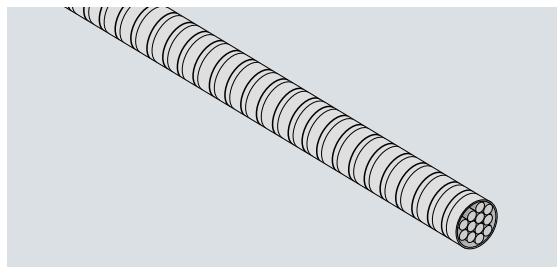
Power Distribution

Modular Wiring

MODULAR WIRING – THE COMPONENTS

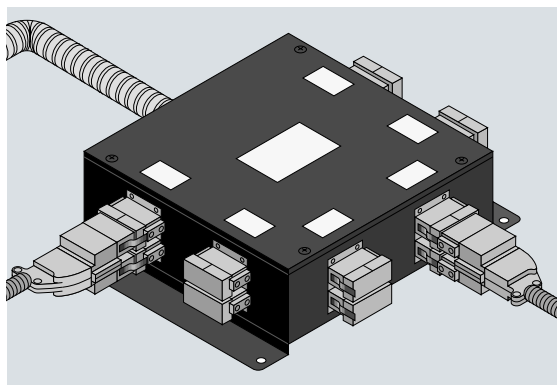
The main components of a manufactured modular wiring system are:

- Home Run Cable
- Main Distribution Box
- Secondary Distribution Box
- Extender Cable
- Whip End Cable



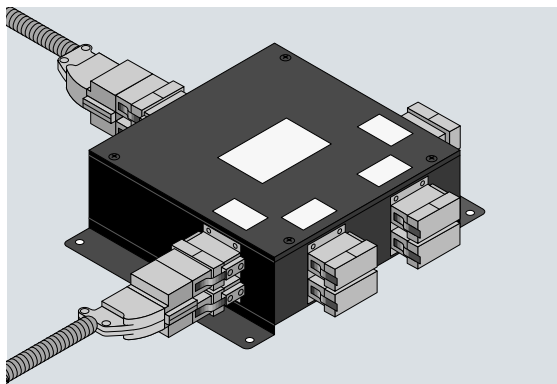
● Homerun Cable

The home run cable consists of flexible metal conduit complete with conductors and is designed to provide power from the service closet to the main distribution box. The cable is generally factory wired to a main distribution box or it is factory terminated with a 'plug and play' connector. See Section 5 for more details.



● Main Distribution Box

The main distribution box (MDB) is a modular power distribution center that can distribute any combination of up to 18 circuits across multiple ports. Pre-wired and tested at the factory, the main distribution boxes are configured to meet any project requirements. MDB's are connected by 'plug and play' extender cables to PVD Servicenters™ or Secondary Distribution Boxes. See Section 5 for more details.



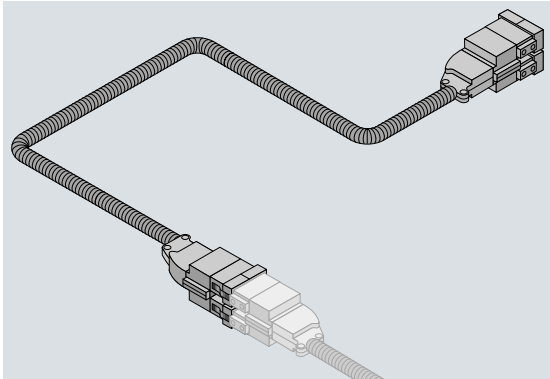
● Secondary Distribution Box

The secondary distribution box further distributes the circuitry to the user outlets. This avoids the need to run additional home runs from the service panel. See Section 5 for more details.

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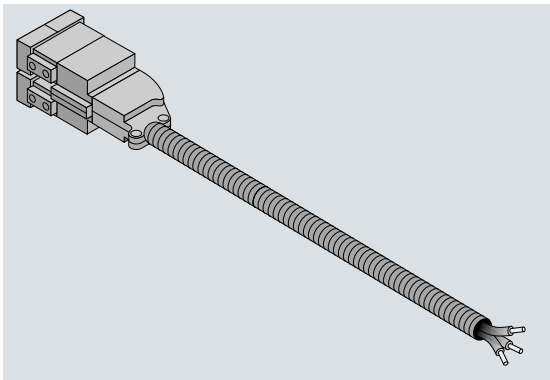
Power Distribution

Modular Wiring



● Extender Cable

The extender cable consists of flexible metal cable with 'plug and play' connectors on either end. It can be used anywhere along the entire length of the system. It is designed to provide power to devices equipped with modular connectors. See Section 5 for more details.



● Whip End Cable

The 'whip end' cable is designed to provide 'plug and play' connectivity to devices. Whip end cables consist of flexible metal conduit with one end having a modular connector and the other end complete with exposed conductors for hardwiring to device. See Section 5 for more details.

The component drawings depict product manufactured by America Cable Systems (ACS)

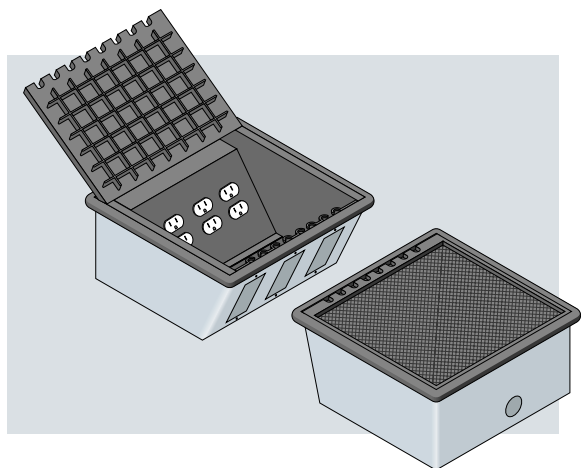
Power Distribution Modular Wiring

Tate PVD Servicenter™ Access Floor Service Box

The access floor service box is designed to terminate power wiring at floor level and provide convenient user access to electrical outlets. The box contains a hinged lid with recess for a floor finish insert designed to match surrounding finish for maximum aesthetic appeal. Floor service boxes are installed within an access floor panel

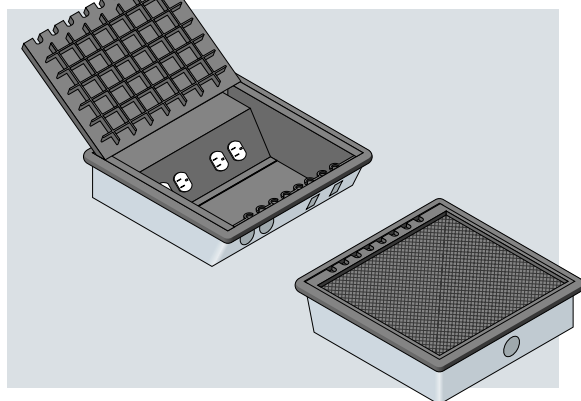
and can be relocated at any point on the floor plate. Low voltage wiring is accommodated in the floor box by either terminating in the box with interface plates or simply through grommets openings for convenient pass through.

Access Floor Service Boxes are available in several configurations to handle both capacity needs and finished floor height requirements.



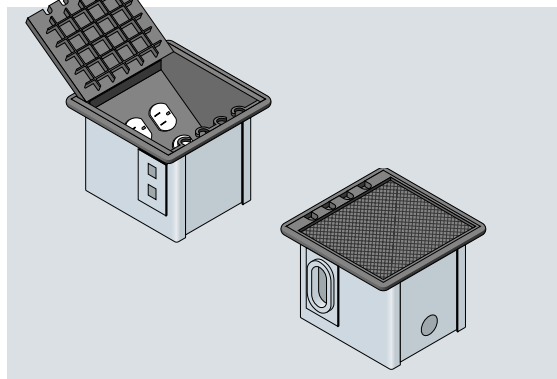
- **Standard Floor Height, High Capacity PVD Servicenter™**

- For floor heights 6" or higher
- Accommodates up to four duplex receptacles, and has up to three openings to accommodate industry standard voice and data plates or grommets cable pass-through opening
- 11 1/4" square maximizes outlet space and hand room
- Hinged lid accommodates carpet or vinyl insert to blend with the floor finish
- Compatible with Modular Wiring connectors or hard wired connections



- **Low Floor Height, High Capacity PVD Servicenter™**

- For floor heights 2 1/2" - 6"
- Accommodates up to two duplex receptacles, and two voice and data ports, and one grommets cable pass-through opening
- 11 1/4" square maximizes outlet space and hand room
- Hinged lid accommodates carpet or vinyl insert to blend with the floor finish
- Compatible with Modular Wiring connectors or hard wired connections



- **Standard Floor Height, Standard Capacity PVD Servicenter™**

- For floor heights 6" or higher
- Accommodates up to two duplex receptacles, and two multipoint interface plates for voice/data terminations
- Smaller lid dimensions of 7" x 8" but with the same features as a larger lid providing a family appearance
- Compatible with Modular Wiring connectors or hard wired connections

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