

Grid^d POWER

System Overview



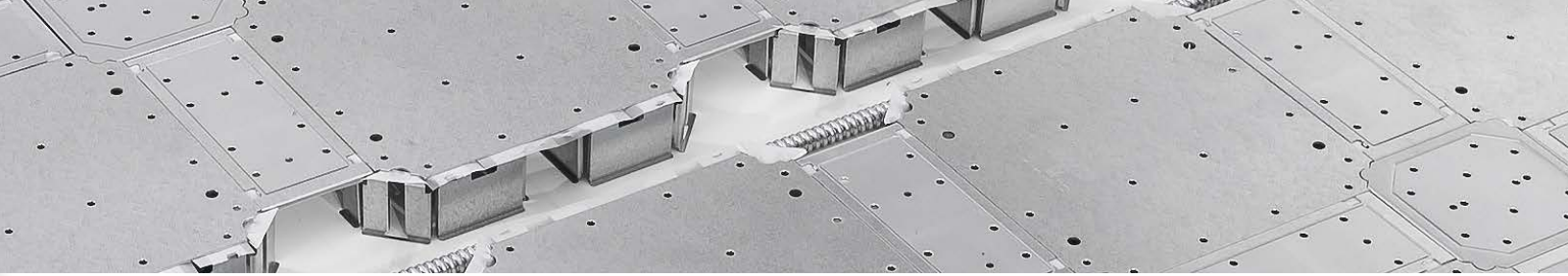
Gridd PowerFeatures

—A fast and flexible power distribution system.

The Gridd Power System is what your company needs to meet its power demands today and into the future. Anchored by a 50A bus track, the modular system provides the ease of plug-and-play connections and the flexibility to easily adapt to ever changing power and cabling needs. In conjunction with Gridd Adaptive Cabling Distribution System, your ability to reconfigure your power and tele-data cabling is unlimited.

Each track delivers up to 18,000 watts of power—essentially the equivalent of a three-phase, 50A electrical panel into the floor. Safe, convenient, and able to bring the utility and convenience of the electrical closet into the finished environment, Gridd Power puts the power where you need it. By eliminating future needs of running circuitry all the way back to the electrical room, the Gridd system is uniquely positioned to save you money and simplify alterations to the finished environment. This fully listed, adaptable power system lies beneath your feet, effortlessly meeting the robust power demands of today's office while giving you the peace of mind that comes with knowing that tomorrow's changes will be handled easily and inexpensively.





Fast

Need to add a cubicle or a receptacle? Lift a few carpet squares, easily open the Gridd Floor (no tools required!) and tap into the quick-connect power component. Route the wire through the floor to the location desired, then close it all up. It's as easy as that!

Flexible

Is your space ready for the electrical changes that will occur in 1 year? In 5 years? In 10 years? Gridd Power delivers the energy you need today, for your current layout, with a state of the art 50A power bus track. But there is so much more! This system adapts to your power needs as your interior environment transforms in response to changing business needs and trends. Office furniture is replaced and relocated. Powered furniture systems become obsolete. Work flows and department locations adapt as your company hones its craft. With each of these adjustments comes the need to relocate power and data wiring. Doesn't your firm deserve a power system that quickly and easily morphs into the electrical structure that you need? The days of running new circuits into the walls and ceilings, relocating power poles, and disrupting the entire office as wiring is strung from an area all the way back to an electrical closet are over. Gridd Power allows you to make the changes you need, in the area where they are needed, one area at a time or en masse.

Convenient

A simplified parts system makes installations and changes a snap. Tracks and components are easily installed during the construction phase. Changes and additions are streamlined thanks to a plug-and-play power distribution system.

Powerful

Gridd Power provides a three-phase, 50A, 208Y/120 VAC power bus track into each area of your interior environment. Other voltage configurations are available. Delivering up to 18,000 watts of available power per track, the robust power demands of the modern workplace are more than met.

Functional

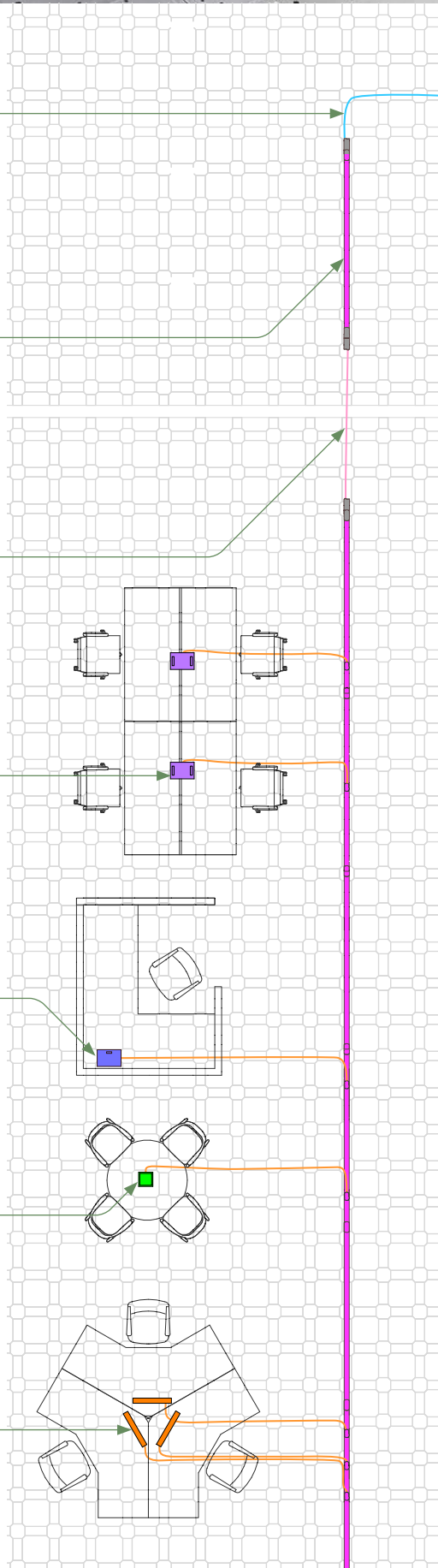
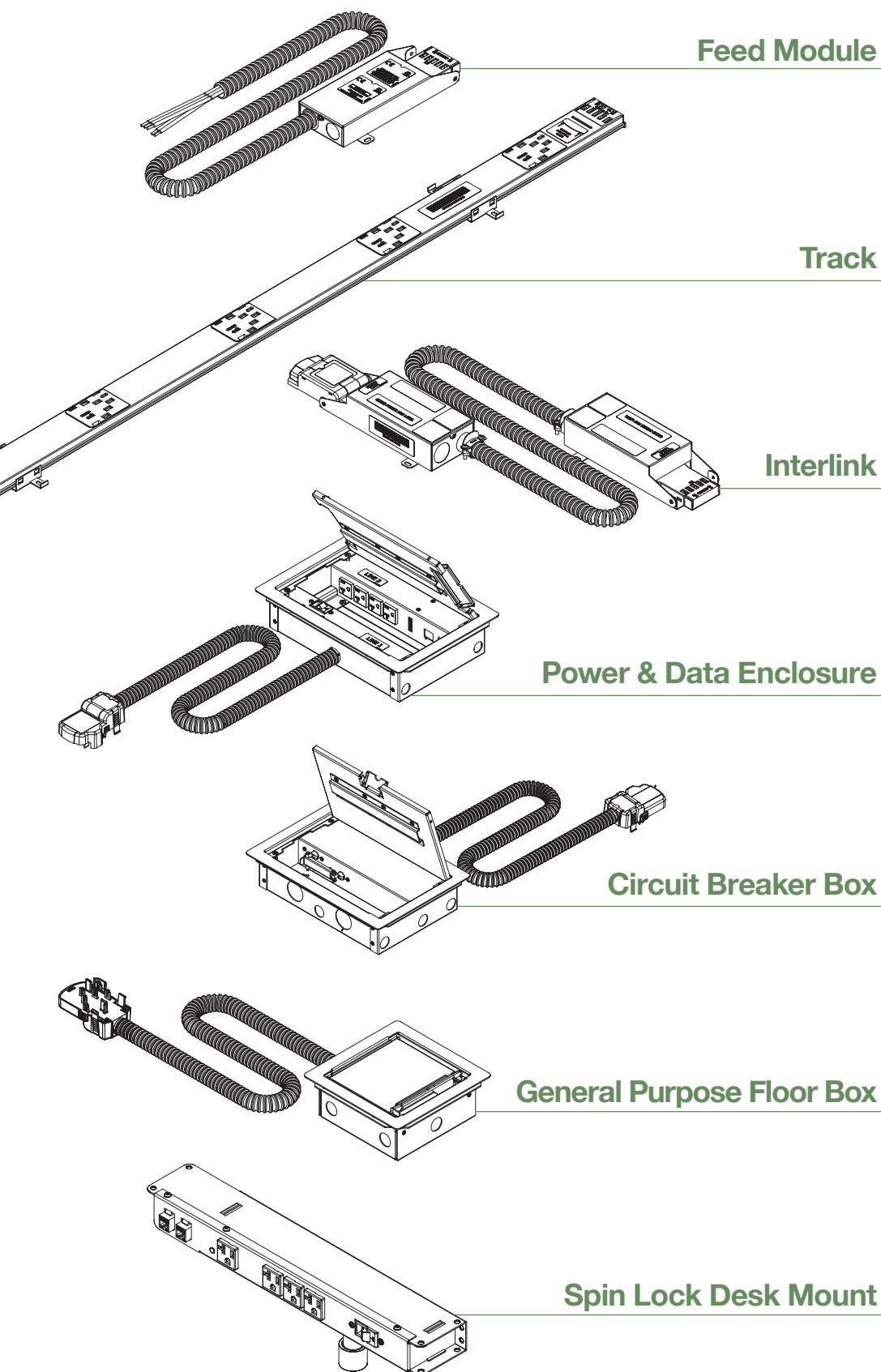
Available as a three-phase system or a dual-circuit system, with or without an isolated ground Gridd Power puts the energy where you need it and easily allows you to alter your environment without expensive rewiring.

Green

All tracks and components are reusable, relocatable, and recyclable. You can actually take your Gridd Floor and your Gridd Power system with you if you move to a new building!

Component Set Overview

—The basic elements of the Gridd Power system.



Feed Module

—The interface to building power.

3 Phase Standard

50A 3 ϕ 120/208V with
[3] Conductor 6 AWG, [1] Conductor
4 AWG Neutral, [1] Ground 8 AWG
(MC Cable)

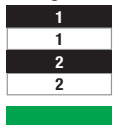
Wiring



Dual Circuit

50A Dual Circuit 120/208V with
[4] Conductor 6 AWG with Ground 8
AWG (MC Cable)

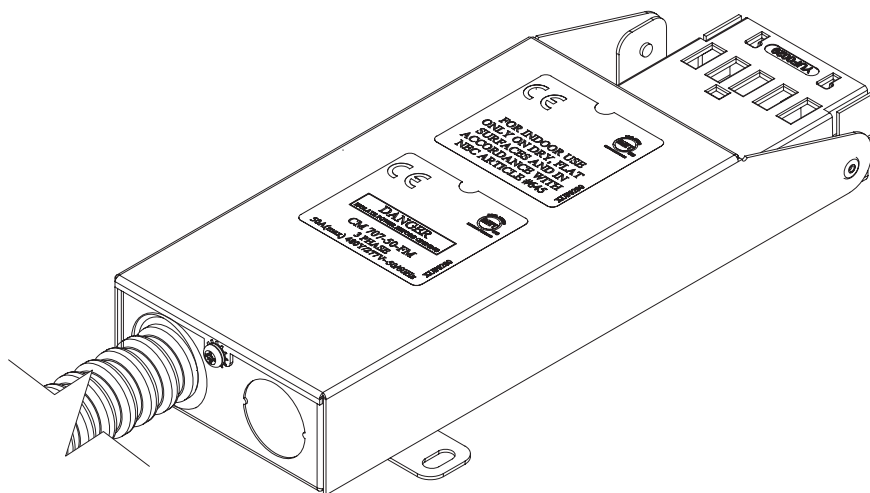
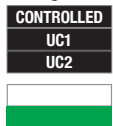
Wiring



3 Phase Energy Control

50A 3 ϕ 120/208V with
[3] Conductor 6 AWG, [1] Conductor
4 AWG Neutral, [1] Ground 8 AWG
(MC Cable)

Wiring



Isolated ground available.

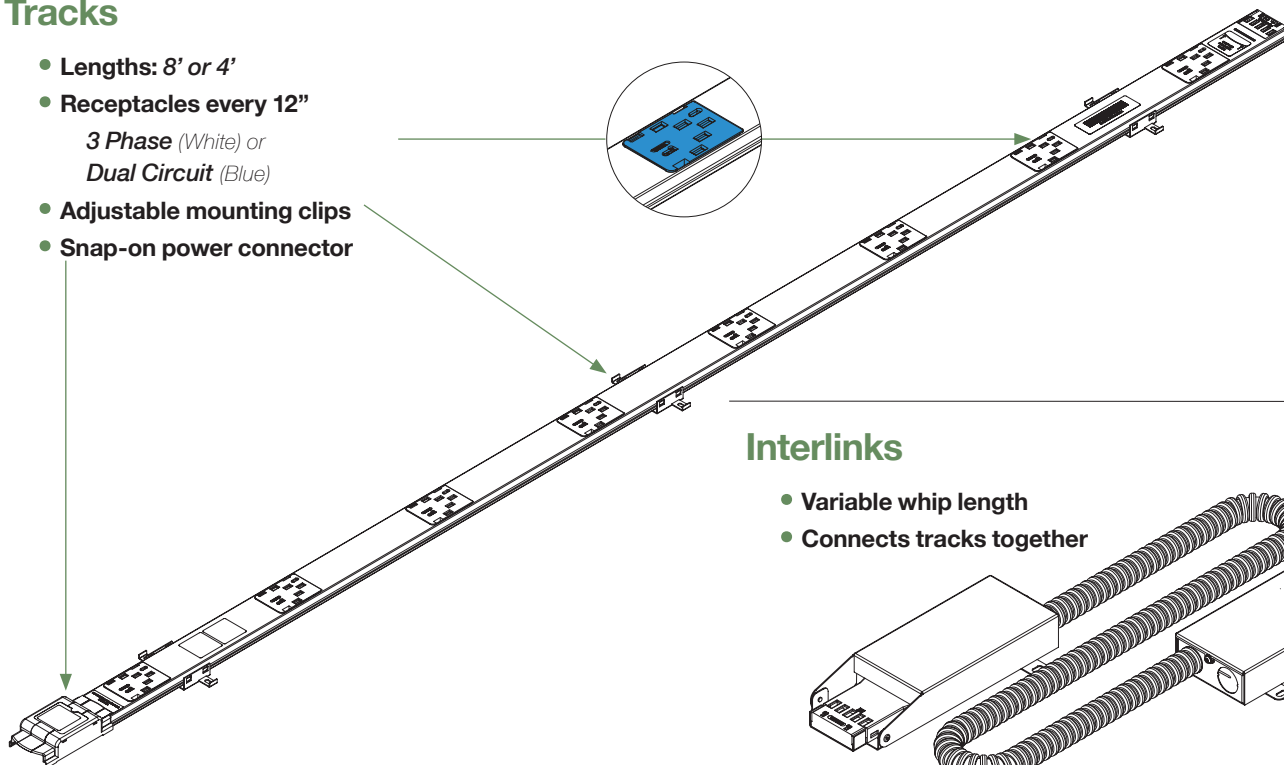
Feed Module Cable assemblies are terminated at the power source by E.C., E.C. to furnish MC Connector

Track & Interlink

—Readily available power access points.

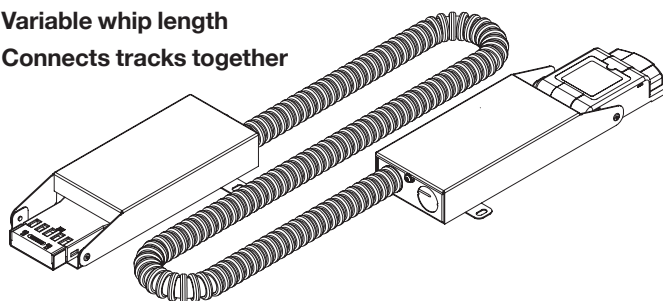
Tracks

- Lengths: 8' or 4'
- Receptacles every 12"
3 Phase (White) or
Dual Circuit (Blue)
- Adjustable mounting clips
- Snap-on power connector



Interlinks

- Variable whip length
- Connects tracks together

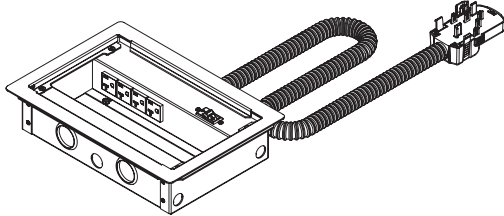


Power & Data Enclosures:

–Direct connection to tracks via tap-off head.

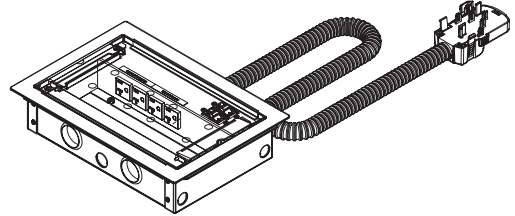
Single Circuit*

- Power & low voltage sides
- [4 or 5] 20A receptacles
- [1] 1P 20A breaker



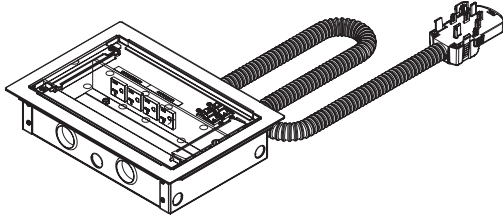
Dual Circuit*

- Power & low voltage sides
- [4 to 8] 20A receptacles (labeling & circuits determined by client)
- [1] 2P 20A breaker



Three Circuit*

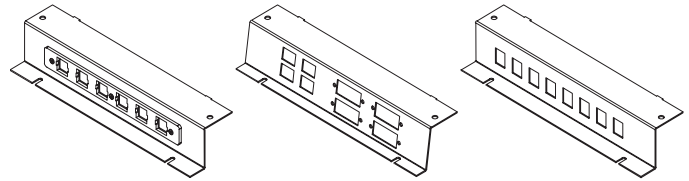
- Power & low voltage sides
- [3-6] 20A receptacles (labeling & circuits determined by client)
- [1] 1P 20A breaker + [1] 2P 20A breaker



* Lid/Flush mounted lid not shown.
Powder coat paint colors & plug load controller available.

Low Voltage Device Plates

- Interchangeable
- Custom Plates available
- Stock plates to accommodate: keystone (RJ45); Commscope; Panduit; MAAP; NIPR/SIPR, Decora & AV.

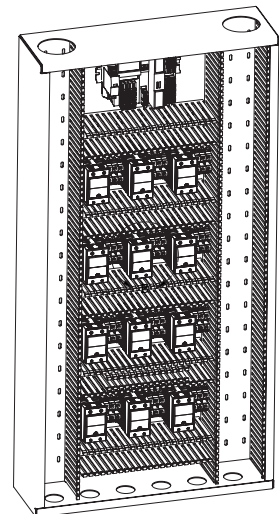


Relay Cabinets:

–Customized to your needs.

Relay Cabinet

- Relay cabinet size and configuration is project specific
- 50A solid state relays
- Digital communication via RJ45 connection via BACnet or Modbus protocol
- Passive control via AC/DC input
- Auxiliary input relays available
- Local device plug-load controllers available
- Integration with building management system

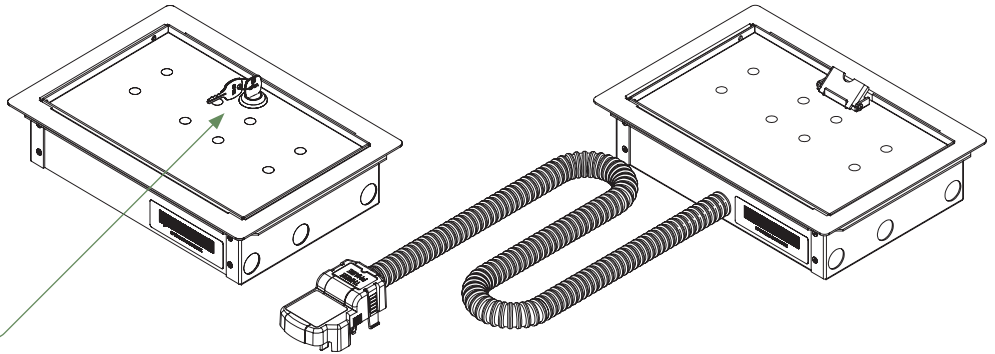


FurniturePower Solutions:

—Integration for furniture and walls.

Circuit Breaker Box

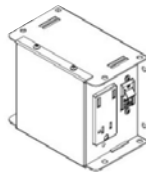
- Internal terminal block for base feed of wired furniture, demountable walls, or field-installed wall receptacles
- [4] 15A circuit breakers or [3] 20A circuit breakers
- Available with plug load controller
- Optional locking lid



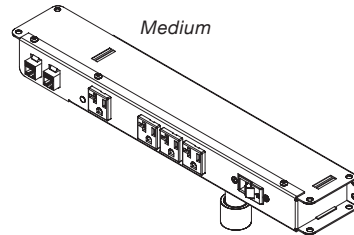
Desk Mounts

- 3 sizes available
- Customizable configurations
- Options:
 - [1-10] 20A receptacles
 - [1 or 2] Circuits
 - USB ports
 - [6] Data/telecom ports
- Assembled with either factory installed whip or quick-connect spin lock connector

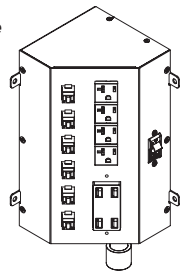
Small



Medium

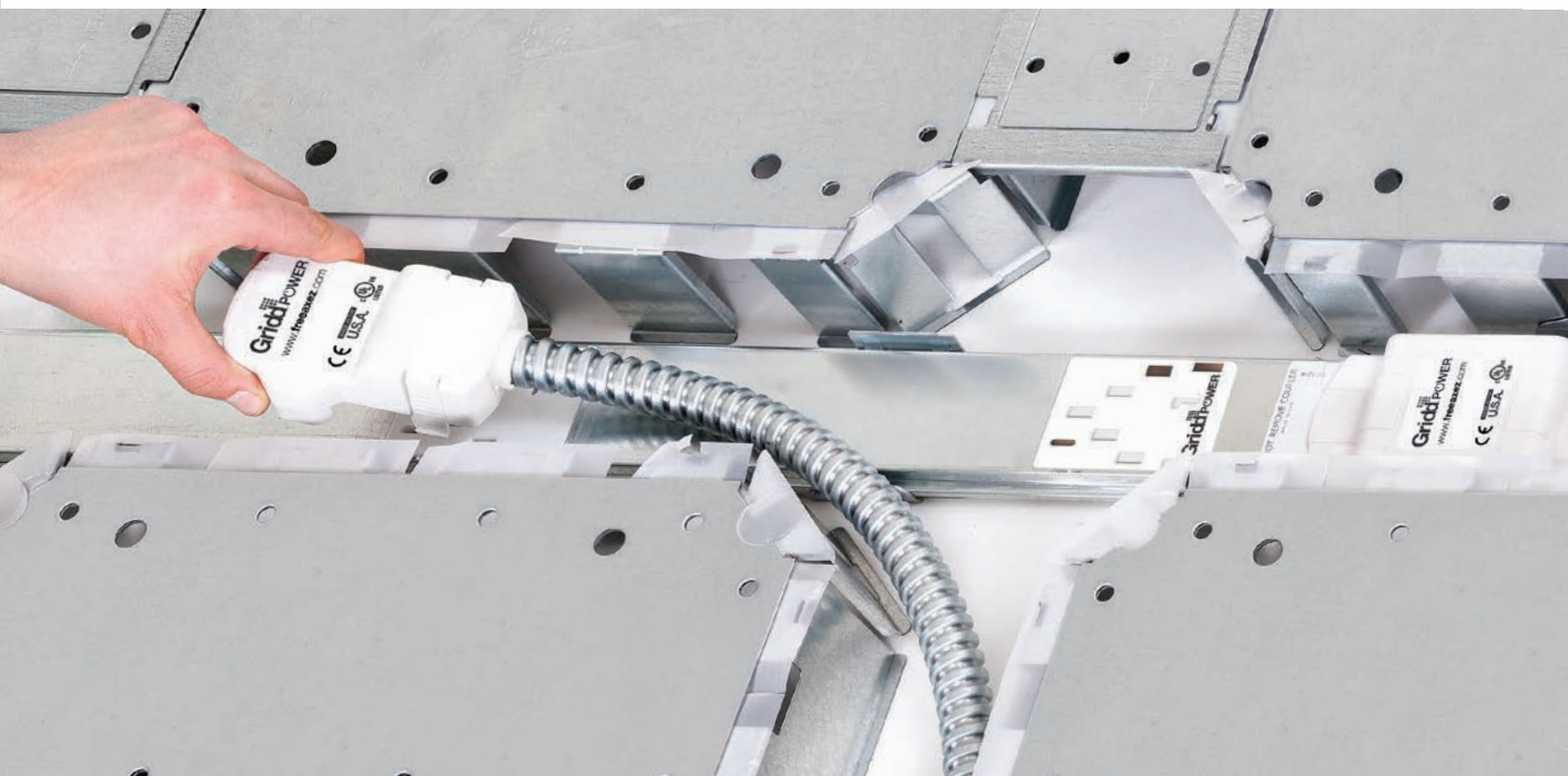
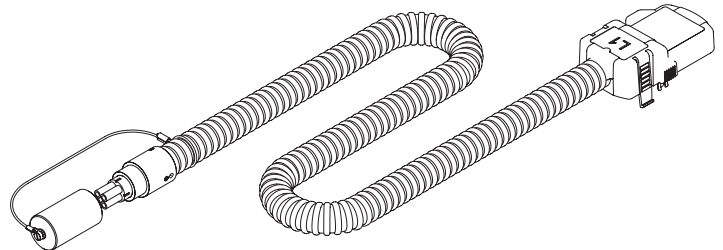


Large



Spin Lock Whip

- Direct connection to track
- Length specific (25' max) to customer needs
- Must terminate in an overcurrent device



Gridd[®]POWER Specifications

Gridd Power is an electrical energy distribution system consisting of power tracks and modular components that provide easy-to-install connections for wall receptacles, powered furniture, floor receptacles, demountable walls, and other constituent electrical modules within the finished interior environment.

Electrical Characteristics

Rated current: **50 amperes**

Rated voltage: **600 VAC**

Compatible voltage systems: **120/240 VAC, 208Y/120 VA, 480Y/277 VAC**

Frequency: **50/60 Hz**

Short circuit current rating: **16KA**

Mechanical Data

Number of copper bus bars in track: **5**

Bus bar rating: **50 amperes**

Equipment grounding: **Standard & isolated ground are available**

Feed module wire termination capacity: **4 AWG**

Tap off conductors: **12 AWG or 10 AWG as needed**

Feed module cable conductors: **6 AWG with 4 AWG neutral**

Interlink cable conductors: **6 AWG with 4 AWG neutral**

Material Specification

Track housing: **Galvanized steel**

Conductors: **High conductivity copper**

Tap-off/ interlink flexible conduit: **Galvanized steel UL1**

Tap-off cable: **UL 1063 Type MTW or THHN**

Tap-off & coupler blades: **Brass, silver plated**

Feed module housing: **Galvanized steel**

Flexible interlink cable: **UL 1028 Type TEW or THHN**

Flexible interlink housing: **Galvanized steel**

See Gridd catalog for additional accessories