

Power Whip Assembly and Installation

Now more than ever, contractors and owners working in the mission-critical industry have to do more with less. At Critical Coordination, we believe in the fundamentals of delivering quality product at a reasonable price, delivered right the first time. Whether you are purchasing cables or installation services, we are committed to helping meet your project goals through standardization and best practices.

Our job is to control costs in areas you take for granted, and to reduce the amount of time you spend getting projects done.

Volume

There is a simple reason Critical Coordination can provide the highest quality power assemblies at such a competitive price: volume. We purchase raw materials in bulk and assemble in quantities that yield production efficiencies.



Redefining prefab:
reduced project costs
and lead times with
increased quality.

UL Listed and Tested

To ensure the highest level of quality, every cable supplied by Critical Coordination undergoes stringent UL-approved testing.

What does this mean for your project? We consider UL Testing part of the commissioning (Cx) process. Testing assemblies before you install them not only improves safety and quality but saves time and shortens the startup process.

Here are the four tests we use:

Dielectric Withstand Voltage Test, or Hi-Pot

Ensures cable can withstand an overload condition by testing each conductor at twice the rated circuit voltage plus an additional 1000 volts.

Ground Continuity

Ensures continuity between the grounding blade (or socket) and the supplied grounding conductor on the opposing end of the cable.

Phase Rotation

Ensures that conductors are connected to the proper terminals. Like the ground continuity test, this tests continuity between each blade (or socket) to make sure the device is wired correctly.

Insulation Leakage

Ensures minimal leakage through wire sheathing. This test also verifies that conductors were not damaged during assembly, preventing arcing between conductors or to ground, causing a circuit to trip.



Available in 12 colors.

Material Estimate Service

Critical Coordination understands that your time is valuable. Let us help you save some by providing you with a guaranteed estimate of the power cables you will need.

In addition to providing a material take off, our review provides early identification of any issues with the project documents, saving the team time and money.

Short Lead Times

We understand that power cables are not always top of mind when planning a move/add/change project within a mission critical environment. Critical Coordination can provide a quote within an hour, and have cables built and shipped within 24 hours ARO.

Value

Buying power whips and cables from Critical Coordination saves you time and money before, during, and after the project. Prefabricated assemblies means low first cost and short lead times, and UL testing means higher quality and faster startups.

When you provide panel schedules, floor plans, and specifications, we perform an internal takeoff and compile a bill of materials to provide you with a firm, fixed price on the cable assemblies you need for the job.



Power + Installation

Critical Coordination's Power + Installation service focuses on the installation of power whips to new or existing racks in active data centers.

Installation services include supplying and installing power whips and breakers, as well as all of the work that takes place between the PDU and the rack. This includes coordinating cable cuts, providing ground kits in raised floor applications, and installing branch circuit monitoring.

