

Power Cables & Equipment With Accurate, On-Time Delivery

Even For Relatively Difficult Projects With A Quick Turnaround Time, PDU Cables Comes Through

WHEN YOU'RE UPGRADING the entire power distribution system of a large data center, including switchgear, UPS modules, distribution equipment, PDUs, and more than 800 whips, there's little room for error. Add in the fact that the livelihood of not just one business, but that of dozens of its customers, relies on keeping the equipment up and running, and you have a major task at hand.

Hunt Electric, a St. Paul, Minnesota,-based design build electrical contracting firm, took on the challenge for a company that wanted to upgrade to a Tier 3 design. "The project was unique in that we were making major modifications to the existing electrical distribution system, commissioning it, and putting it online without having an outage to the facility," says John Axelson, preconstruction services project manager.

PDU Cables played a big role in the project's success.

Unique Considerations

Data centers have several unique considerations when it comes to electrical work. In addition to the need to develop

procedures that comply with the safety standards of OSHA and NFPA 70E, establishing the information needed for each cabinet and scheduling installs and power cutovers can be a challenge, says Noel Rosenthal, site electrician.

Axelson says one of the biggest hurdles can be getting the facilities and IT teams to communicate and share information such as anticipated kilowatt load, space layout, and the power requirements of specific cabinets. That often means plans are modified right up to implementation, forcing power cables to be ordered on short notice and delivered within narrow timeframes.

No Failures

Even with 46 separate batches of cables ordered, PDU Cables met that complex schedule every time, delivering cables and equipment that are pretested to ensure that, once installed and powered up, there won't be any failures. Plus, PDU Cables labels and packages the cables in a way that makes them easy to organize and install once onsite, saving time and avoiding errors.



"PDU Cables met difficult deadlines, not only with product but with 100% accuracy and on-time delivery," Axelson says, providing prompt responses to not only quote the project but follow up on clarifying details prior to production and delivery.

Standard Color & Type

Hunt Electric worked with PDU Cables to determine a standard whip requirement that specified features such as whip color, device type, box mounting information, whip direction as it left the box, type of connectors, color-coded device boxes to match the customers' requirements, and testing/verification of the whip prior to delivery, Axelson says.

PDU Cables' premounted hardware meant receptacles could be placed up off the

floor and mounted closer to the equipment they would be powering. Plus, the colored box and faceplate options PDU Cables offers provided a quick visual inspection during installation to ensure everything was where it was supposed to be and have also proven to be a big help in the day-to-day management of the upgraded facility.

"PDU Cables has material on hand for all different plug and raceway configurations," Rosenthal says, making for quick turnaround. "Customers like that they are getting a UL-listed whips made to their data center standards." 

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Innovator in data center efficiency

Contact

(866) 631-4238
www.pducables.com