

Case Study: Streamlining NETA Testing in Datacenter Cable Deployment



Quad Plus®



Overcoming Datacenter NETA Testing Challenges for Flawless Cable Deployment

Objective

- Understand and address difficulties in cable installation within critical paths
- Conduct acceptance testing to meet NETA standards before active cable installation
- Implement a thorough documentation process for testing, recording, and reporting procedures
- Offer information and guidance to address the client's unfamiliarity with NETA testing in a datacenter context

Solutions

- Applied specialized knowledge, tools, and a strategic plan to surpass NETA testing standards
- Implemented a thorough cable testing process including checks for damage, accurate cable placement and tests for continuity, phasing, and insulation resistance
- Established a seamless process to guarantee flawless cable installation and setup
- Provided the client with a comprehensive list of cables to be tested
- Went above and beyond standard procedures to optimize overall system functionality

Results/Benefits

- Systematic testing pinpointed and communicated issues, preventing larger problems
- Early detection allowed prompt correction, preventing recurrence across the project
- Addressed and rectified client-made errors linked to human mistakes
- Detected and corrected mislabeled cables, ensuring accurate connections to equipment
- Routine phasing checks revealed issues, showcasing the effectiveness of our testing processes

Background

This datacenter customer encountered difficulties in the installation and setup of cables serving critical paths in their facility. Before putting these cables into active use acceptance testing was required by a third party, following the standards set by NETA. It was important for the testing process to be documented and reported to the customer. While the client had experience with large-scale electrical projects, they were unfamiliar with the intricacies of NETA testing within the specific context of a datacenter environment.

Quad Plus Solution

Our team stepped in with the expertise, tools, and a game plan to help our client meet and exceed the high standards set for NETA testing in their datacenter. Applying specialized knowledge, strategic planning, and advanced tools, we executed a thorough cable testing process, addressing key elements such as damage, placement accuracy and tests for continuity, phasing, and insulation resistance.

Our approach consisted of flawless cable installation and setup, over-reaching standard procedures to optimize overall system functionality. Through systemic testing, we not only detected and communicated issues promptly, preventing larger problems, but we also identified and corrected errors linked to human mistakes, including mislabeled cables.

These all-encompassing solutions underscore our dedication to delivering superior results and ensuring accurate connections to equipment, showcasing the effectiveness of our testing processes.