

BRANCH CIRCUIT WHIPS



Branch Circuit Whips by Acceleation, are manufactured specifically for data center environments and provide clean, reliable, flexible power for your ever-changing white space configurations.

Our dedicated experts have over 40 years of data center power distribution experience, combined with state-of-the-art, in-house assembly and manufacturing capabilities to deliver top quality cables with best-in-class lead times, ensuring quality care and communication throughout the process.



Top Quality



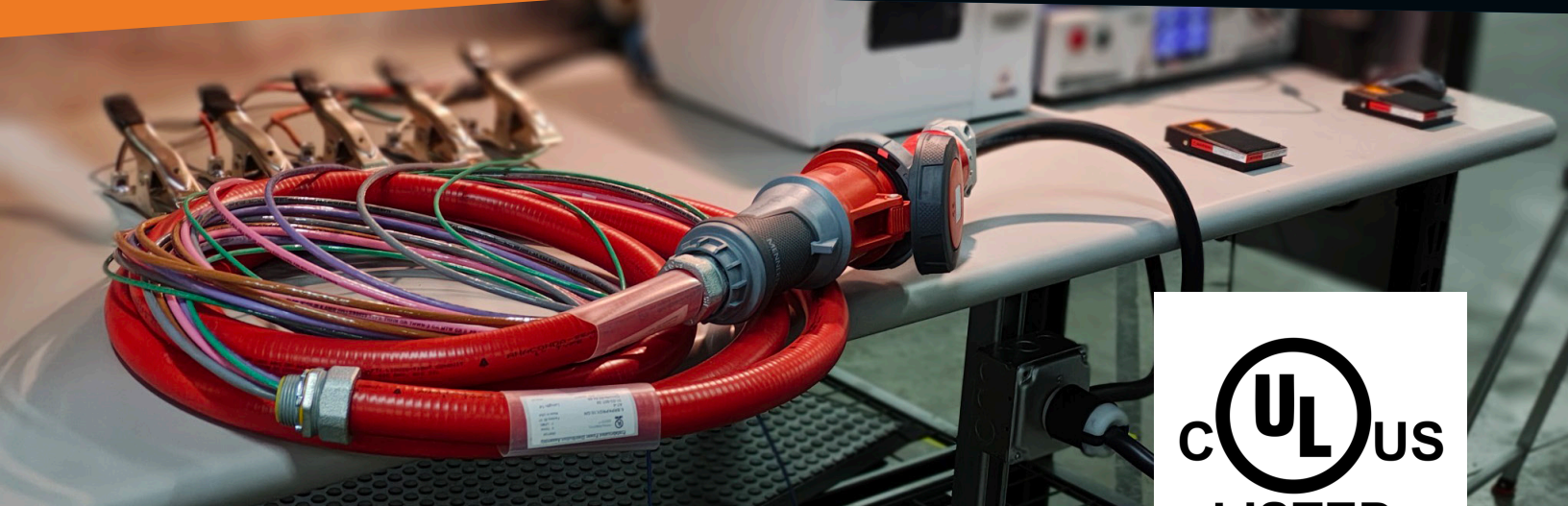
Custom Flexibility



Rapid Assembly



Project Convenience



UL LISTED

BC Whips carry the **UL Listing Mark**, certifying compliance with the rigorous **performance and safety standards** set by Underwriters Laboratories (UL). Each cable meets or exceeds **UL requirements for power transmission in mission-critical facilities**, ensuring reliability and safety in demanding environments.

REGULATORY COMPLIANCE

BC Whips comply with key **National Electrical Code (NEC) and NFPA standards**, providing additional assurance of safety and reliability:

- **NEC ARTICLE 350.30(A)** - Securely Fastened
LFMC must be securely fastened within 12 inches (300mm) of each termination point and supported at intervals not exceeding 4.5 feet (1.4m). Exception: Listed LFMC fittings may serve as a means of support.
- **NEC ARTICLE 645.50(F)** - Interconnecting Cables
Listed power, communications, and interconnecting cables, along with associated connectors, plugs, and receptacles, do not need to be secured in place when listed as part of Information Technology Equipment (ITE).
- **NFPA 75-10.4.1** - Interconnecting Cables
Separate IT equipment units can be interconnected using listed cables and assemblies, ensuring compliance with fire protection and safety standards in data centers and other IT environments.

TOP QUALITY

Only the highest quality components from trusted manufacturers like Hubbell, Mennekes, ABB and Square D, are used in our cable assemblies—ensuring that you get the quality that you need—when you need it.

Accele^vation cable assemblies carry a **Limited Lifetime Warranty & Replacement Guarantee**. We ensure that all power cables assemblies are free from quality and workmanship defects from the date of original purchase. Please contact your Accele^vation sales rep or visit our website for more information.



FACTORY TESTED FOR RELIABILITY

Every BC Whip undergoes rigorous factory testing to exceed anticipated load conditions. Our comprehensive quality assurance process includes **insulation leakage testing, ground continuity testing, phase rotation testing, and Hi-Pot testing**—ensuring each cable meets the highest standards. All test results are meticulously documented and tracked, guaranteeing long-term performance.

By eliminating the need for costly field testing and replacements, our commitment to quality allows BC Whips to be installed with complete confidence.

Insulation Leakage Test

This test verifies that the cable's insulation is intact, ensuring minimal leakage through wire sheathing. It also detects any damage that could cause arcing between conductors or to the ground—preventing potential circuit trips.

Ground Continuity Test

Ensuring a continuous ground connection, this test confirms electrical continuity between the grounding blade or socket of the plug/receptacle and the grounding conductor on the opposite end. This guarantees a safe and uninterrupted ground path.

Phase Rotation Test

Phase rotation testing ensures each conductor is correctly wired to its designated terminal. Beyond UL-required tests, we conduct an additional continuity check on every conductor to verify proper wiring and adherence to color codes.

Dielectric Withstand Voltage Test (Hi-Pot)

Each conductor is subjected to Hi-Pot testing at **twice the rated circuit voltage plus 1,000 volts** to confirm electrical integrity. No breakdown, shorting, or arcing is tolerated—ensuring the highest safety standards.



RAPID ASSEMBLY & FAST SHIPPING

Our cable experts collaborate closely with your project engineers to ensure the right components are always in stock, minimizing delays. In our state-of-the-art facility, our highly trained team assembles and tests **thousands of custom branch circuit whips daily**, delivering precision and reliability at scale. Emergency service is available.

Beyond manufacturing, **Accelelevation offers in-house, licensed electricians and trained installers nationwide**, providing a seamless, single-source solution. From **white-space design to custom manufacturing and expert installation**, we ensure your project stays on schedule—without compromises.

CUSTOM ASSEMBLY

Every BC Whip is tailored to meet your exact project specifications, including **cable length, color, connector type, wire gauge, wire count, and conduit size**. Powered by our **Cable Builder**, our experts guide you through the configuration process to ensure each assembly arrives perfectly suited to its application.

For clear structured cabling and easy power path identification, we offer **11 conduit color options**. Cable management is further streamlined with **custom identification labels** on each end of the cable, detailing **PDU, panel, circuit number, equipment receptacle, length, and UL Certification**—simplifying installation and field identification. Custom labeling options are also available upon request.

PROJECT CONVENIENCE

BC Whips are designed for **fast installation and reduced field labor costs**, with optional configurations that include **matched branch circuit breakers, mounting brackets, and MC feeder cables**—pre-packaged and ready to ship with your order.

To eliminate supply chain concerns, we stock a **full range of SQD, GE, ABB, and Eaton breakers**, along with both **aluminum and copper feeder cables and all necessary fittings**. For even greater flexibility, we offer **custom stocking programs** tailored to individual project needs, ensuring you always have the right materials when you need them.



ACCELEVATION MANUFACTURES AND INSTALLS UL LISTED
RPP(S) AND PDU(S).

Please visit Accelevalionllc.com or contact your sales representative for more information.