





ISO9001 Certified

POWERWHIPS AN IMS ENGINEERED PRODUCTS BRAND 16575 West Small Road New Berlin, WI 53151 www.powerwhips.com

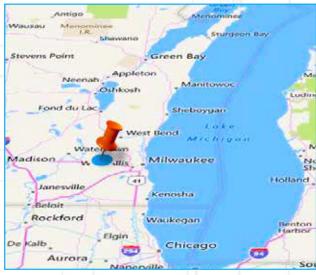


ABOUT **OWERWHIPS...**

For over five decades, PowerWhips an IMS Engineered Products Brand, has met the cabling and power needs for some of the world's largest companies. Our customers have trusted us to deliver quality products with zero failure expectation.

PowerWhips was originally under our IMS Electrol branch. IMS Electrol was established in 1961 and initially started out as a large panel builder for medical equipment. The company expanded into cable and harness assemblies throughout the 1960's, during this time they continued to expand their capabilities and customer base through strategic growth. PowerWhips an IMS Engineered Products Brand is currently produced in a 40,000 sq. ft. facility in New Berlin, Wisconsin.

Fortune 100 Companies have assigned us the mission critical task of supplying connectivity, power and cabling products to the IT, Medical, Government/Military and Communication markets. Our strategy is simple; we create and deliver value. As an ISO9001 company, PowerWhips continues to provide high-quality, practical, cable assemblies for today's most demanding applications.



PowerWhips is centrally located in the Midwest

PRODUCT SYNERGY

Data Centers across the USA trust PowerWhips and AMCO Enclosures as an integral part of their design specifications.

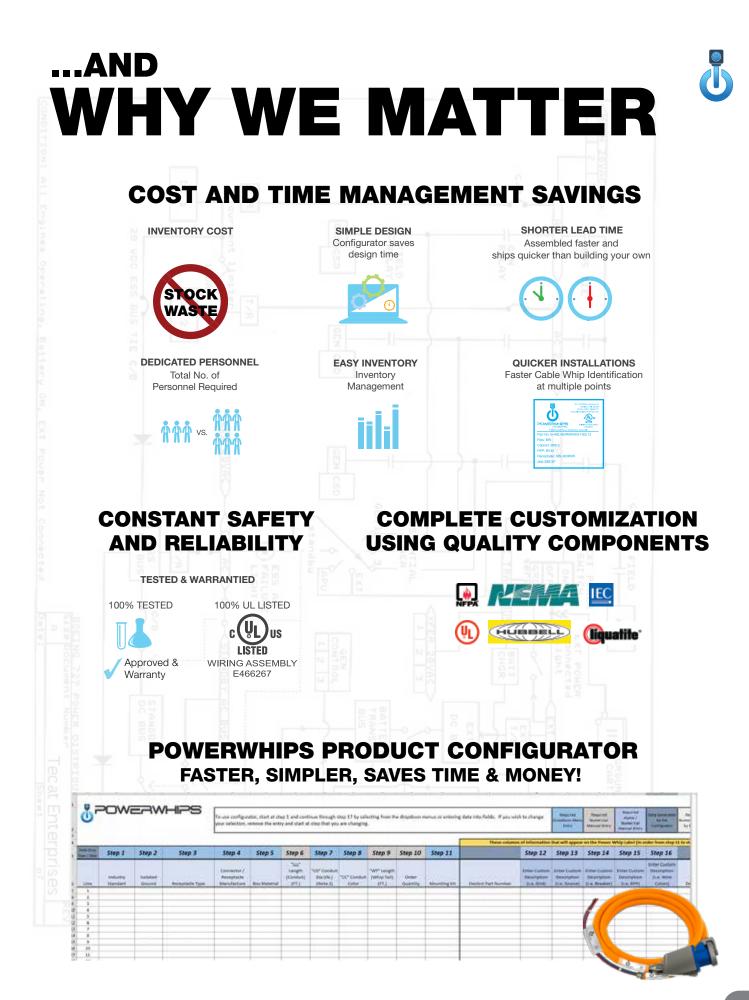


POWERWHIPS and AMCO Enclosures are both IMS Engineered Products Brands

MADE IN THE USA



Racks by





WHY POWERWHIPS

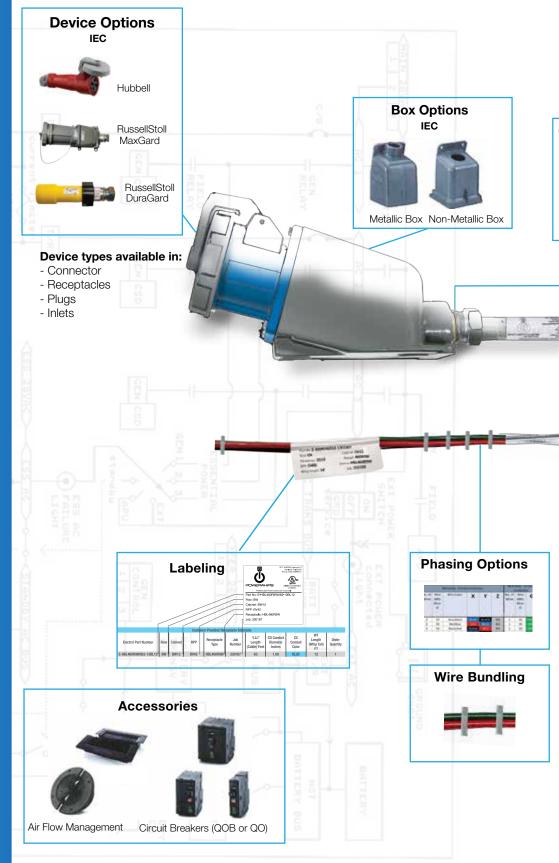
PowerWhips understands that there is no room for product failure in mission critical data centers. The higher levels of quality components, precision manufacturing and testing – along with the special care and attention to detail that we build into our POWERWHIP products, assures you that each whip will meet or exceed the high levels of reliability and performance standards they have been designed for.

FULL customization

- ✓ 11 Conduit Colors
- ✓ Wire Bundling/Phasing
- 🗸 Labels
- 🗸 Device Types
- Extensive Selection of Mounting Kits that Maintain UL Listing Without Drilling the Box
- Painted iBoxes/Covers

BENEFITS

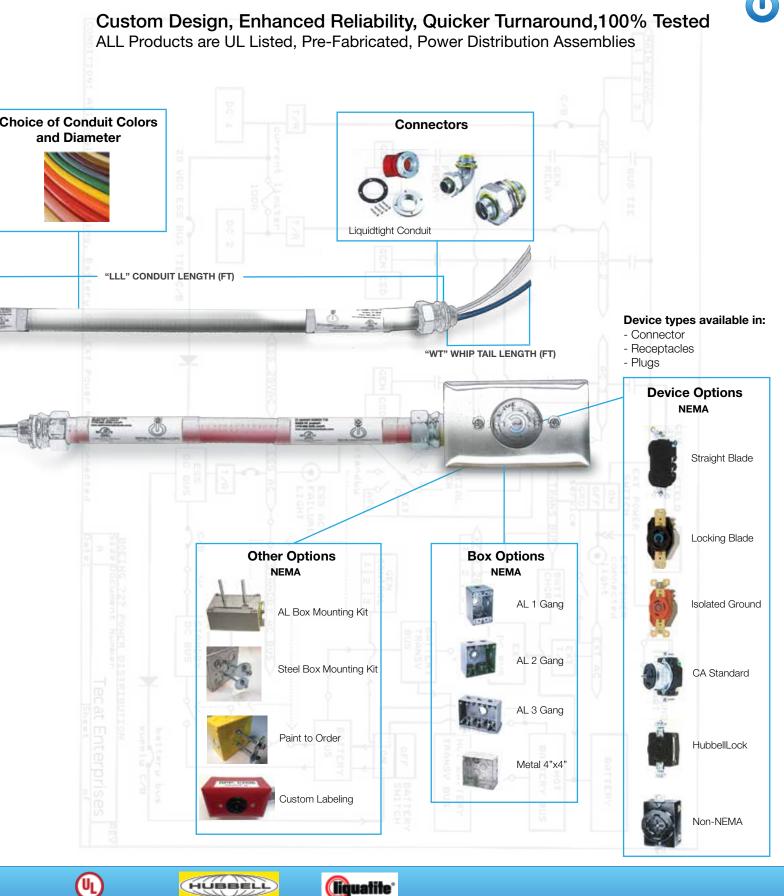
- ✓ Cost Effective
- Shorter Lead-Times
- 100%Tested and Certified
- 🗸 Warranty
- ✓ Faster Design Time
- Engineering Support
- Use of LFMC Approved for use Under Raised Floors NEC Section 645.5 (E) & (F)





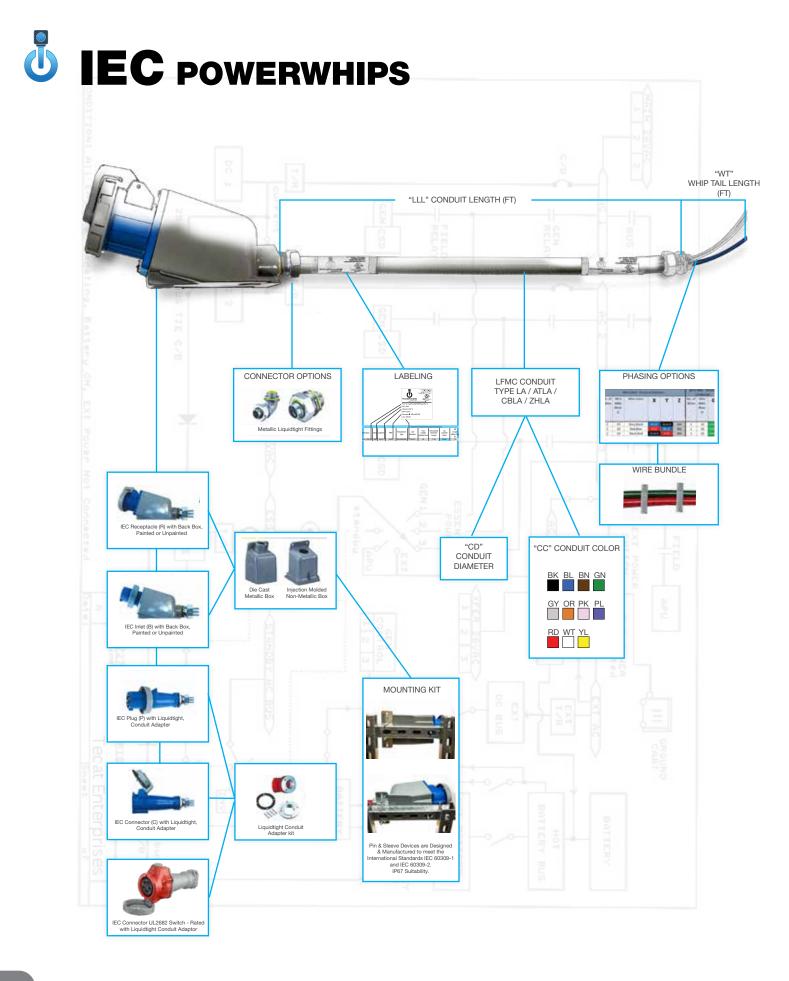
IEC

Why Build When You Can Buy?

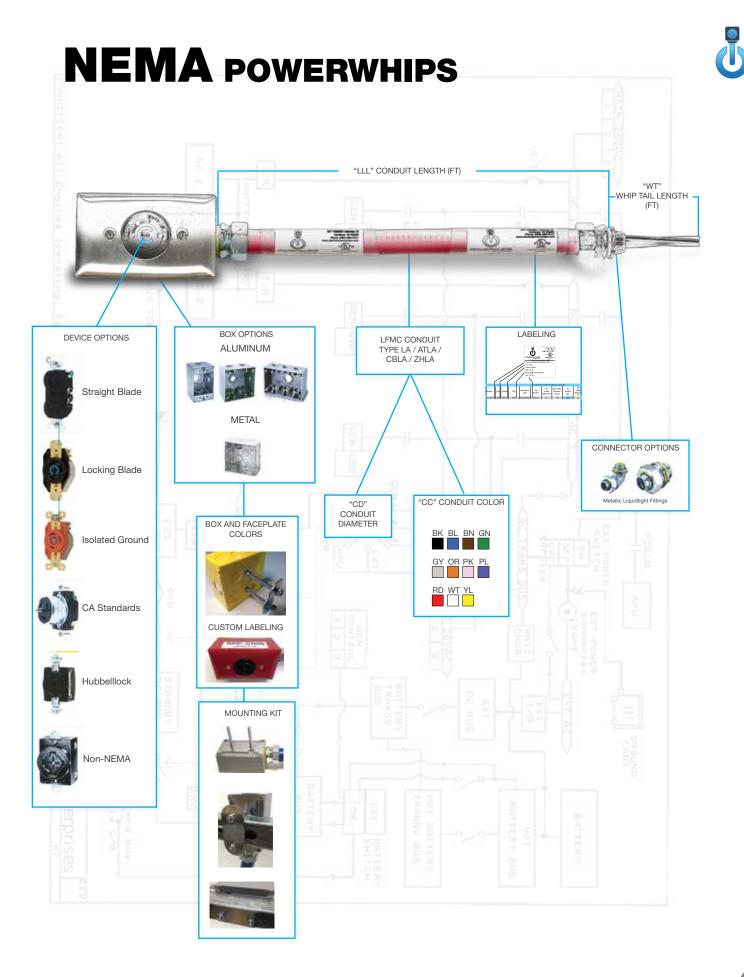




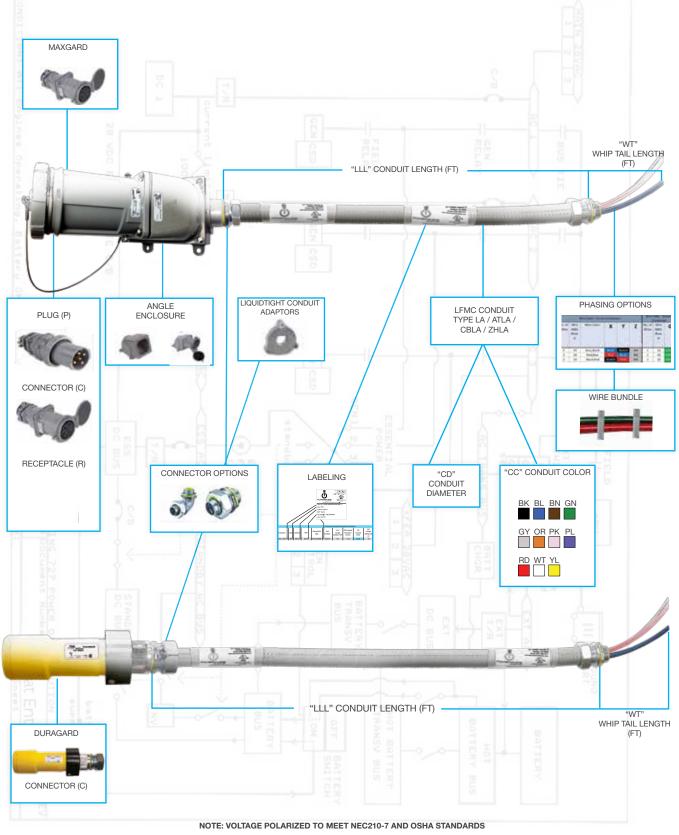
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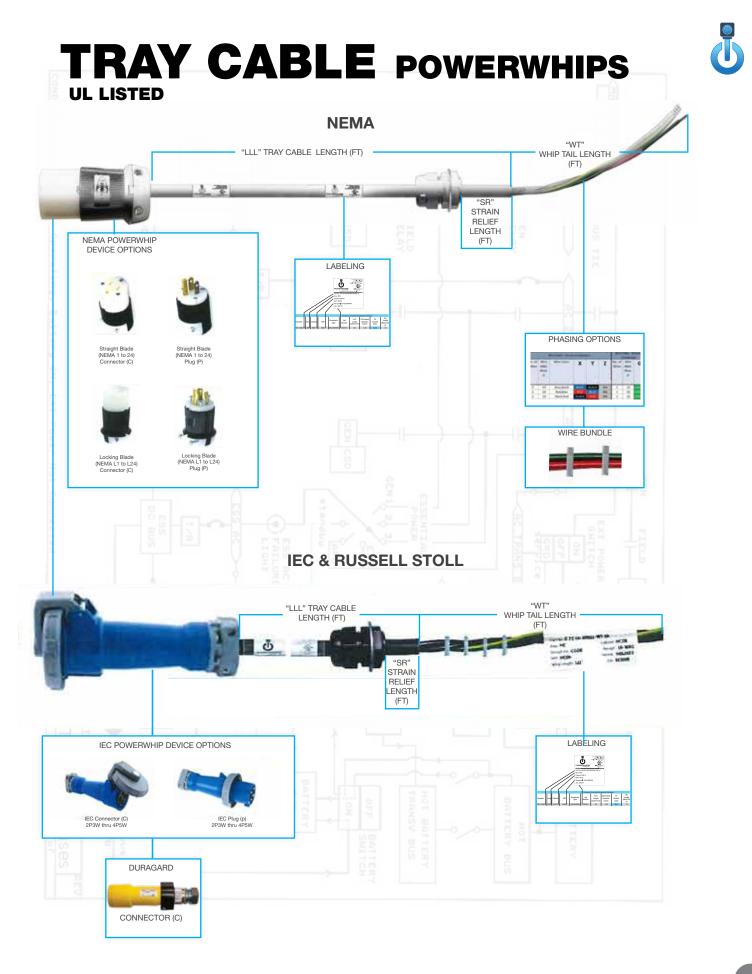




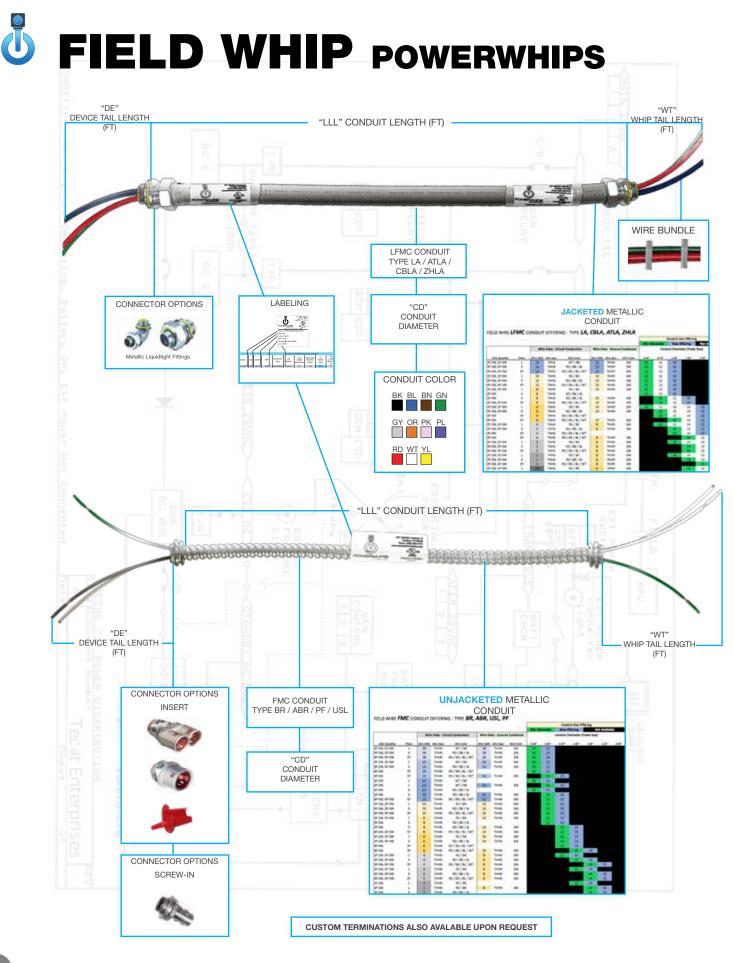












IN HOUSE TESTING/QUALITY

Testing - UL safety standard

Dielectric Strength

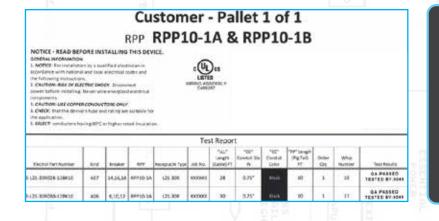
- A dielectric strength test, commonly called a "dielectric withstand", "high potential", or "hipot" test, is a stress test of the insulation of a device under test (DUT).
- Such a test applies a voltage to the DUT that is much higher than normal operating voltage, 1000V plus twice the normal operating voltage.

Ground Continuity

- The purpose of a ground continuity test is to verify that all conductive parts of a product that are exposed to user contact are connected to the power line ground (the "green" wire).
- The theory is that if an insulation failure occurs that connects power line voltage to an exposed part and a user then comes into contact with that part, current will flow through the low resistance ground path to the green wire, tripping a circuit breaker or blowing a fuse, rather than flowing through the higher resistance of the user's body.

Phase Rotation

- Wiring continuity check.
- A main purpose of such a test is to ensure that the line and neutral conductors are not interchanged. **Insulation Resistance**
 - This test measures the total resistance between any two points separated by electrical insulation.
 - The test determines how effective the dielectric (insulation) is in resisting the flow of electrical current.



LIMITED WARRANTY:

PowerWhips an IMS Engineered Products Brand sells this product with the understanding that the user will perform all necessary tests to determine the suitability of this product for the end user's intended application. PowerWhips warrants that this product will be free from defects in material and workmanship for a period of two (2) years following the date of purchase. Upon prompt notification of any warranted defect, PowerWhips will, at its option, repair or replace the defective product or refund the purchase price. Proof of purchase is required. Misuse or unauthorized modification of this product voids all warranties.

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Test Report ships with

every order!

LIMITATIONS AND EXCLUSIONS: THE ABOVE WARRANTY IS THE SOLE WARRANTY CONCERNING THIS PRODUCT, AND IS IN LIEU OF ALL OTHER WARRANTISE EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE SPECIFICALLY DISCLAIMED, LIABILITY FOR BREACH OF THE ABOVE WARRANTY IS LIMITED TO COST OF REPAIR OR REPLACEMENT OF THE PRODUCT, AND UNDER NO CIRCUMSTANCES WILL POWERWHIPS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES

INVENTORY PROGRAMS/PACKAGING

Inventory Programs

- Through the use of PowerWhips' ERP software, a custom inventory plan can be accomplished to meet a customer's specific needs, reducing Total Cost of Ownership, lead-time and inventory levels.
- Consigned raw material is stored at "point of use".
- Kitting programs are available to reduce handling / motion time by installers. Maximize value add time of installers.
- Reduced WIP and lead time.

Packaging

Box, Drum and Gaylord

- Each box, drum, gaylord is labeled with a packing list that identifies contents.
- Delivery is simple since whips are packaged in batches for each RPP and clearly labelled with location. Unpacking is simple and clean, with little construction debris.
- Through the use of PowerWhips' ERP software, a custom inventory plan can be accomplished reducing Total Cost of Ownership, lead-time and inventory levels.
- Consigned raw material is stored at "point of use" allowing for orders to typically ship in 1 to 3 days.





