



POWER CABLES FOR  
MISSION CRITICAL  
FACILITIES

DCN Cables



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## UL LISTED, MISSION-CRITICAL POWER CABLES MANUFACTURED AND TESTED IN A CONTROLLED ENVIRONMENT

With 24-Hour Turn-Around, an unprecedented number of receptacles, color choices and variable lengths, we provide customized cables to fit your specific requirements. Our focus is developing the exact cabling solution for your environment.

DCN Cables saves you money by keeping your project on track with certified cables arriving at your shipping dock in 24 hours. Every cable has passed stringent testing standards and is ready for use in your mission-critical facility.

## WE USE THE HIGHEST-QUALITY COMPONENTS IN THE INDUSTRY

- All Components are UL Listed & Tested
- UL Listed Liquid Tight with Integral Ground
- Hubbell Steel LT Connectors & Boxes
- Abrasion Resistant THHN Stranded Wire
- Hubbell Receptacles & Connectors
- Full Russell Stoll Line

## ADDITIONAL CABLES MANUFACTURED

- Feeder Cables
- MC Cables
- SO Cord Drop Cables
- Daisy Chain Cables





## LOAD BANK TESTING

Every power whip is 100% factory tested through DCN Cables' proprietary automated testing process.

Our load banks apply an electrical load that accurately mimics the max load a cable will see while in use within your data center.

## HIPOT TESTING

HIPOT (Dielectric Withstand Voltage Test) testing is performed on every cable. Cables are HIPOT tested at twice-rated circuit voltage, plus 1500 Volts. This test ensures there will be no arcing or shorting of any conductor within the cable.



**HIPOT  
PHASE ROTATION  
LOAD BANK**



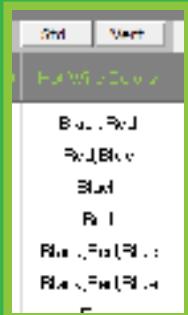
Electronic and hard-copy test results are provided upon request.

Our patented camera detection system ensures proper wire gauge and phasing.



## EXCEL-BASED CABLE BUILDER

Ordering customized power cables is easy with our user-friendly Excel-based DCN Cable Builder. Simply log on to [www.dcnables.com](http://www.dcnables.com) or call 877-326-0001 to receive a downloadable Excel file.



Keep panel boards properly phased by utilizing the one-click phasing process. After adding circuit numbers within the cable builder, simply click either "Standard" or "Vertical" for your panel boards. The DCN Cable Builder automatically identifies the proper phasing.



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## UL LISTED

DCN Cables are UL Listed specifically for mission-critical data center environments. Our cables are manufactured with all UL Listed components as a complete UL Listed Wire Assembly.

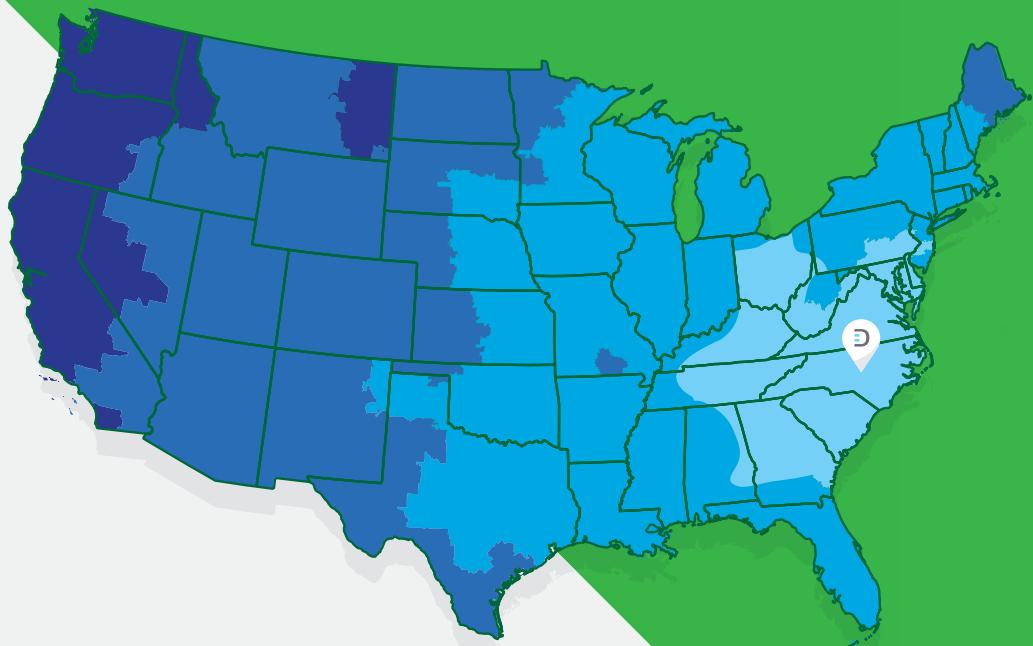
DCN Cables are not required to be secured or supported every 4.5 feet (in compliance with NEC, Article 645.5), making power distribution totally flexible and improving installation efficiency.



## CABLE LABELING

We attach a custom identification label – referencing PDU, Panel, Circuit Number, Equipment, Receptacle, Length and UL Certification – to each cable end for easy identification. These labels are secured in place with protective heat shrink. We offer optional face-plate labeling as well.

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## PACKAGING & SHIPPING

Cables are sorted by customer preference – PDU, Location or Device Type – and coiled into sturdy fiber drums for safe shipment.

Each drum is labeled with its exact contents, ensuring efficient jobsite location identification.

DCN Cables takes pride in being your source for shipping power cable projects within 24 hours.

We have standard next day service to many large metro markets on the East Coast, including Washington D.C., Atlanta and the Carolinas. Standard service for the rest of the U.S. is 2 - 4 days, with expedited shipping available upon request.



Example of barrel label with package contents

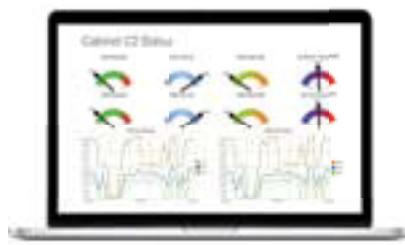
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## WIRELESS BRANCH CIRCUIT MONITORING & REPORTING

DCN Cables offers monitoring options that incorporate advanced power measurement technology built into the power cable itself. We developed a unique wireless network protocol that was built specifically for data center monitoring and has become the most widely deployed wireless power monitoring platform in the industry.

Measure Amps, Volts, Volt-Amps, Watts, kWh, frequency, power factor and temperature for single & three phase devices in any amperage configuration.

- **Easy Deployment:** Data automatically begins transmitting when the cable becomes energized
- **Scalable:** Monitor a few devices in one location or thousands throughout your enterprise



Software and HTML interface for real-time tracking, alerting and historical collections. SNMP and Modbus Protocols for integration into your existing DCIM or BMS Systems.

- Create a monthly power bill report based on allocated kWh usage – sorted by customer, department or any user-defined group
- Ensure circuit failover
- Mitigate risk with persistent circuit monitoring

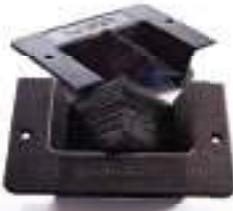


## RAISED FLOOR AIRFLOW MANAGEMENT

- Effectively seals conditioned air above and below the data center floor
- Increases existing unit capacity
- Reduces the need to purchase additional cooling units
- Improves equipment reliability and extends equipment life
- Increases static pressure under the raised floor and improves cool air delivery through perforated tiles
- Facilitates Hot and Cold Aisle Best Practices



KoldLok Wave



KoldLok Mini



Model 1010 Integral



Model 3030 Integral Split



4" Round



6" Round

**GUARANTEED LOWEST PRICE  
HIGH INVENTORY LEVELS  
SAME DAY SHIPPING**



## BLANKING PANELS

HotLok Blanking Panels are available in both 1U and 2U configurations and a choice of traditional black or a more reflective white.

- Tool-free, snap-in installation requires no additional parts or components for installation





## AISLE AIRFLOW MANAGEMENT

The industry's first containment solution designed for quick and easy installation on individual racks. AisleLok Modular Containment offers the core airflow management benefits of containment, but with greater flexibility and value.

- Effective airflow management
- Simple and cost-effective containment solution
- UL94 flammability rated material
- Easy installation
- Modular and flexible
- Available off the shelf
- No custom measuring required



Adjustable Rack Gap Panel



## ○ CIRCUIT BREAKERS

We stock all major brands to meet your needs. When ordering your cables, we save you a step by supplying matching breakers with your cable order.

- Square D QOB, QOB-VH, QO & EGB
- ABB Pro-Line
- GE THQB, THQL & THHQ
- Cutler Hammer BAB



## ○ BREAKER TESTING

Certified testing is available upon request, to confirm proper polarity, open/close and compliance with manufacturer's published trip curves.



## GROUNDING KITS

Kits are available in the required lug type, AWG size and length to properly ground each cabinet to your floor grid.

## SPECIALIZED LABELS

We are glad to provide custom box and faceplate labels for your power cables, panels and other power gear throughout the data center.

- Custom sizes, colors and fonts to meet your exact specifications
- Phenolic, Plastic Engraved and High Gloss label options are available



# COMMON CONFIGURATIONS

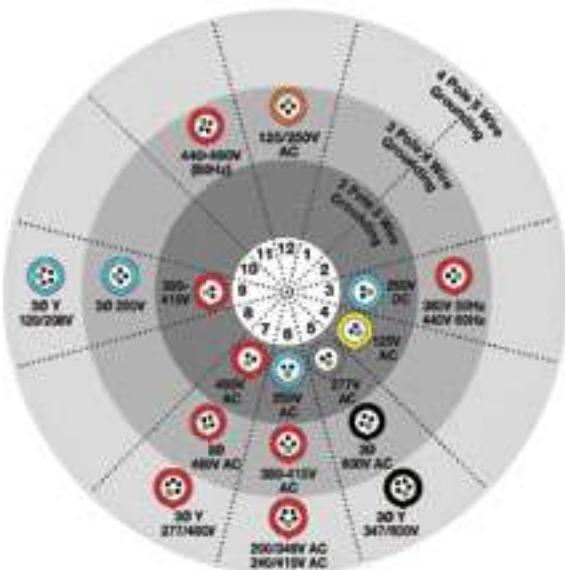
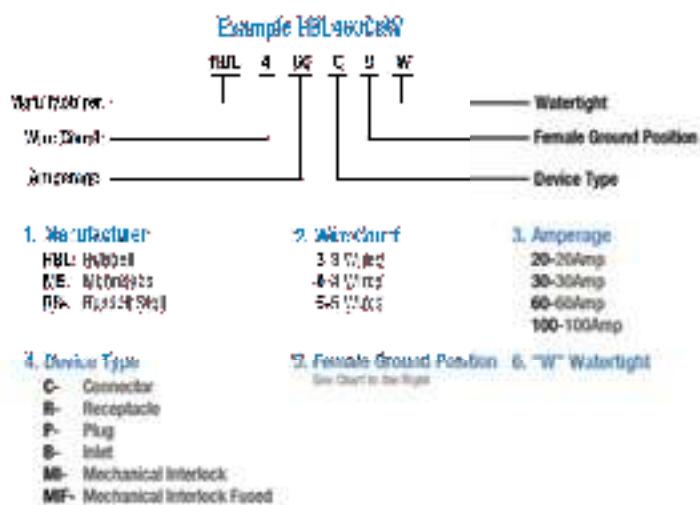
## LOCKING NEMA

3 Wire			4 Wire			5 Wire			3p 250V		3p 250V	
125V			250V			125/250V			3p 250V		3p 250V	
15A	20A	30A	15A	20A	30A	20A	30A	20A	30A	20A	30A	
L5-15	L5-20	L5-30	L6-15	L6-20	L6-30	L14-20	L14-30	L15-20	L15-30	L21-20	L21-30	
												

## TYPICAL 50 AMP OPTIONS

	CALIFORNIA STYLE				RUSSELL STOLL DURAGUARD LINE			
3 Pole 4 Wire								
250V 3Ø Delta	Male Plug	Female Connector (Attaches to flexible cord only)	Female Connector (Attaches to both conduit fittings and flexible cord)	Female Receptacle (To be box mounted)	Male Plug	Female Connector	Female Receptacle	
	CS8365	CS8364	CS8364L	CS8369	9P54U2	9C54U2	9R54U2	9R54U2

## PIN & SLEEVE IEC 309 NOMENCLATURE



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Authorized Reseller

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**[www.team-prosource.com](http://www.team-prosource.com)**