PANDUIT ®

building a smarter,
unified business foundation
Connect. Manage. Automate.

Power Systems

Enhancing Reliable Power Connections throughout the Physical Infrastructure

Efficient and reliable electrical power is a key building block to drive industrial equipment, manage the conditions of the working environment, and connect us to the electronic world in which we live. Beneath these operating environments lie connections ranging from 34.5 kV (typical) at the service entrance, distribution within the facility, to equipment, and finally to the workstations. Applications such as oil rigs, mines, wind farms, general building construction, and industrial manufacturing facilities present special circumstances where the operating environment warrants preventive measures up front, to ensure the power system can withstand the conditions.

Power is such a fundamental need that is often taken for granted, however the following should be considered when planning and deploying your power systems:

- Maximize Expected Operating Life
- Reduce Maintenance Frequency
- Lower Total Cost of Ownership

- Meet Regulatory Approvals/Code Compliance
- Lower Installation Time
- Increase Safety

Power System Considerations

As new facilities are built, existing operations are upgraded, and remote locations become more common, companies need robust solutions that will maintain the power source to the point of consumption.

- Is your facility prepared to meet electrical building code requirements for today and for future expansion?

- Do you have circumstances requiring regulatory agency approvals (i.e. UL, CSA, ABS, NEBS, etc.)? Do you have adequate workplace safety measures in place to meet OSHA requirements?

- Are harsh indoor or outdoor environmental operating conditions a factor on your equipments' expected operating life?

- Is corrosion resistance a concern due to maintenance frequency?

- Does your grounding system provide adequate protection for sensitive equipment?

- Is your cabling infrastructure organized and prepared for unforeseen events?

Panduit Solutions

Based on principles of the Unified Physical Infrastructure℠ approach, Panduit brings to market a broad portfolio of solutions to reliably connect and manage power throughout the physical infrastructure.

Panduit is the Industry's Only Single Source Supplier of Power Solutions: Helps customers maximize return on investment and lower operating expenses with a broad, integrated portfolio of products.

Regulatory Standards Compliant: Meets UL, CSA, IEEE 837, ABS, NEBS and OSHA.

Facilitate Maintenance and Changes with Easy Identification: Enables efficient and comprehensive infrastructure management.

Engineered for Maximum Reliability and Extended Service Life: Provides superior electrical performance in harsh environment applications.

Enhance Workplace Safety: Protects personnel and equipment throughout the lifecycle with power connections and cable management that are easy to use, install and maintain safely.

Maximize Performance: Delivers strong, dependable connections made from high quality products when installed with industry leading installation tools for cable routing, bundling and protecting.

Product Systems to Overcome the Challenges

Power and Grounding Connectors

Provide connectivity to meet a variety of electrical applications needs
- Broad offering of compression (copper and aluminum) and mechanical (lugs, splices and taps)
- Meets or exceeds regulatory standards including UL, cULus, CSA, ABS, IEEE, and NEBS
- Grounding connectors suitable for all applications ranging from the data center to direct burial

Terminals

Rings, forks, and disconnects designed for reliable performance and fast installation
- UL Listed, CSA certified, RoHS compliant, ABS approved, Class 1E Nuclear rated, DFARS252.225-7014 Compliant, and meets Military Specs MS25036 and MS20669

Installation Tools

Full line of battery powered, dieless, pneumatic and manual installation tools that feature ergonomic designs, controlled cycle mechanisms, and quick crimp cycle times for improved productivity and regulatory standards compliance
- UL, CSA, and CE approvals

Cable Ties, Stainless Steel Ties, and Mounts

Secure cables and devices
- Cable Ties are available in a wide selection of materials and sizes ranging from Miniature to Extra Heavy, to meet a variety of electrical application needs
- Stainless Steel Ties provide a strong, durable method of bundling and fastening in extreme conditions
- Large selection of mounts to meet your cable management requirements

Abrasion Protection

Insulate, protect, harness, and identify electrical and electronic components and cable
- Pan-Wrap™ Spilt Harness Wrap features a patented slot pattern to reduce installation time
- Spiral wrap is offered in a variety of colors, materials, and sizes to meet your requirements
- Heat shrink protects your connections from the surrounding environment, also available in different materials and sizes

Labeling and Identification

Identification solutions for wire, cable, electrical and electronic devices
- Choice of pre-printed and on-demand labeling solutions
- Rugged hand-held printers increase productivity of moves, adds, and changes
- Easy-Mark™ is an intuitive labeling software package for all of your application specific requirements
- Marker plates and tags, stainless steel and aluminum, can be embossed or laser etched to identify cables used in harsh environments

Lockout/Tagout Systems

Extensive line of universal, high quality devices to lockout electrical equipment and valves
- Lockout/tagout kits and stations offer a convenient method to store and contain lockout devices, tags, and padlocks
- Training manuals and videos help assist employees with compliance of OSHA standards
- High quality, durable, secure padlocks in a variety of styles, colors, and keying configurations that ensure safety and security

Safety and Facility Identification

Comprehensive line of safety and facility identification products that are designed to assist with compliance of OSHA and other global safety standards.
- Safety signs and labels offered in a variety of materials, colors, sizes and legends
- Voltage markers in adhesive and snap-on style
- Utility tapes in a variety of materials, colors, sizes, and legends
- Letters and numbers in a variety of materials and sizes
- Choice of language preference

Real-World Solutions to Ensure the Success of Our Customers

As an innovator in new product design, Panduit continually develops and applies the latest technology to our solutions and services – helping our customers solve their unique business challenges. Our global distribution, manufacturing facilities, sales and technical support teams make Panduit solutions readily accessible around the world. With regional specialists and local expertise, Panduit helps our customers meet their schedules and project needs.

Panduit works worldwide with top consultants, designers, integrators, contractors and installers giving you confidence in the development, design, and deployment of your projects. We align ourselves with a network of world-renowned technology alliances that share our commitment to deliver best-in-class solutions, which create competitive advantages for our customers.

From the beginning, we've built a company that is lean and green in its fundamental nature. Our new World Headquarters building will achieve Leadership in Energy and Environmental Design (LEED) Gold certification, demonstrating our continued commitment to solutions that protect, replenish, and restore the world in which we live and operate.

Innovative Technology Leadership

Global Business & Commitment

Best-in-Class Partner Ecosystem

Worldwide Alliances

Eco-Sustainability & Global Citizenship

For more information
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