

APPLICATION STANDARDS

To help assure optimum quality, *PANDUIT* products are designed and manufactured to meet applicable environmental, safety, market industry and customer standards.

Restriction of Hazardous Substances (RoHS)

RoHS

The European Union (EU) directive on the Restriction of use of certain Hazardous Substances bans the use of six substances in electrical and electronic equipment within the European Economic Community (EEC) after July 1, 2006. The RoHS status of *PANDUIT* Electrical Products, shown in this catalog, can be determined by accessing www.panduit.com.

Underwriters Laboratories, Inc



Underwriters Laboratories, Inc. (UL) is an independent, not-for-profit product-safety testing and certification organization based in the United States. Since its founding in 1894, UL is becoming one of the most recognized, reputable conformity assessment providers in the world. Today, services extend to helping companies achieve global acceptance, whether for an electrical device, a programmable system, or an organization's quality process. Further information on UL marks can be found at www.ul.com/mark/.

Canadian Standards Association



The Canadian Standards Association is a not-for-profit membership based association serving business, industry, government and consumers in Canada and the global marketplace. CSA works in Canada and around the world to develop standards that enhance public safety and health. Additional information can be found at www.csa.ca.

Conformity European



CE marketing is required for certain products sold within the European Union (EU). EU Directives and Norms, specify the requirements for products. Applying the CE mark signifies compliance with those requirements.

ISO 9001



The International Standards Organization (ISO) establishes worldwide standards for products and services in recognition of increasing globalization of markets. The ISO program establishes the requirements for quality assurance systems. All *PANDUIT* component manufacturing facilities are third party registered to ISO 9001. Registration certificates are available from *PANDUIT*, www.panduit.com.

ISO/TS16949

ISO/TS16949 is a recognized supplier quality standard for the automotive industry. The ISO community of accreditation bodies and registrars considers these additions automotive "interpretations" to the global ISO 9001 standard. Appropriate *PANDUIT* locations are third party registered to this standard. Registration certificates are available from *PANDUIT*, www.panduit.com.

ISO 14001



ISO14001 is a voluntary standard for Environmental Management Systems established by the International Organization for Standardization. The international standard provides a benchmark for continual improvement in environmental performance. Business partners can be confident that *PANDUIT* manufacturing facilities around the globe are engaged in an ongoing process to maximize value while minimizing the impact on natural resources.

National Electrical Manufacturers Association (NEMA)

NEMA is the largest trade association in the U.S. representing electro-industry manufacturers. NEMA develops industry standards that are in the best interest of the industry and users of its products. NEMA standards for electrical power connector for substations covers uninsulated connectors and busbar supports which are made of metal and intended for use in substations. Included in the standard are manufacturing standards for bolt hole sizes and spacing for terminal connectors with single tangs. *PANDUIT* offers connectors that meet NEMA manufacturing standards and these are specially noted as listed within this catalog.

APPLICATION STANDARDS (continued)

Alliance for Telecommunications Industry Solutions (ATIS)



ATIS is a technical planning and standards development organization that is committed to rapidly developing and promoting technical and operations standards for the communications and related information technologies industry worldwide using a pragmatic, flexible, and open approach. Over 1,200 participants from more than 400 communications companies are active in ATIS' 22 industry committees, and its Incubator Solutions Program. Additional information can be found at www.atis.org.

J-STD-607-A-2002, Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications is jointly developed by TIA/EIA and ATIS' technical committee T1E1. This document is available on the ATIS Document Center at www.atis.org.

Adhering to the grounding principles outlined in J-STD-607-A helps ensure that the telecommunications grounding and bonding system will perform acceptably regardless of the data and voice equipment installed. As stated in J-STD-607-A, the preferred means of connecting conductors to busbars is by using two-hole irreversible compression lugs listed by a nationally recognized testing laboratory (NRTL) such as UL. *PANDUIT PAN-LUG™* Copper Compression Connectors meet these requirements, in all barrel sizes specified by the 607 standard.

Telecommunications Industry Association (TIA)



The Telecommunications Industry Association is a leading US non-profit trade association serving the communications and information technology industry. TIA represents providers of communications and information technology products and services for the global marketplace through its core competencies in standards development.

ANSI/TIA-942 Telecommunications Infrastructure Standard for Data Centers covers a wide range of facilities issues, including grounding and bonding. It states that electrical continuity is required throughout the rack materials. Adhering to these principles protects network equipment and maintains system performance.

NEBS Level 3 Approval as Tested by Telcordia Technologies

Telcordia Technologies, formerly known as Bellcore, serves as the testing agency for the Regional Bell Operating Companies. Network Equipment-Building Systems (NEBS) was developed by Bellcore and is currently maintained by Telcordia Technologies. NEBS was developed to standardize requirements for Central Office Equipment and to develop criteria for personal safety, protection of property, and operational continuity.

NEBS Level 3 Criteria is the minimum level of environmental compatibility needed to provide maximum assurance of equipment operability within the network facility environment. The Level 3 criteria is the highest assurance of product operability. Products that meet NEBS Level 3 Criteria are suited for equipment applications which demand minimal service interruptions over the life span of the equipment. *PANDUIT* is the first in the industry to have a system of copper compression lugs and splices (#8 AWG – 1,000 kcmil) and crimping tools physically and rigorously tested by Telcordia Technologies to meet NEBS Level 3 compliance.

American Bureau of Shipping (ABS)



ABS is a not-for-profit organization that promotes the security of life, property, and the natural environment primarily through the development and verification of standards for the design, construction, and operational maintenance of marine related facilities including: merchant and naval vessels, offshore drilling units, submersibles, FPSOs, etc. *PANDUIT* has ABS Type Approval for select copper compression lugs and splices and are in compliance with ABS 2005 Steel Vessel Rules and can be installed on ABS Type Approved steel vessel machinery, electrical systems, and electrical equipment. *PANDUIT* products that meet ABS Type Approval can be found listed on the ABS website at www.typeapproval.org.

B1.
Cable Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index

PROGRAMS

PANDUIT maintains a dedicated global sales force of highly qualified industry experts to provide professional, consultative sales guidance. In addition, *PANDUIT* has partnered with best-in-class contractors and distributors to provide the services and support to deliver comprehensive, reliable solutions at the lowest installed cost.

Contractor Loyalty Incentive Program (CLIP)

The CLIP program was developed to strengthen relationships and form alliances with valued contractors. Use *PANDUIT* as your preferred vendor for cable ties, terminals, power connectors, identification products, surface raceway, installation tooling and a host of related products, and earn credit towards *PANDUIT* tooling.

Benefits of being a CLIP participant include annual credit incentives, continuous training, potential project leads, and alliance with a global, world-class electrical manufacturer and exclusive promotions.

For more program details, go to www.panduit.com/clip or contact *PANDUIT* Customer Service at 800-777-3300.

Tooling Partnership Program

The tooling Partnership Program is designed to make low-cost or no cost tooling available to the customer based on qualification and commitment to termination product purchases.

For more program details, go to www.panduit.com/tpp or contact *PANDUIT* Customer Service at 800-777-3300.

PC Express Program

PC Express offers the ultimate level of service for your power connector needs. PC Express is offered through select authorized *PANDUIT* distributors. The PC Express Program provides customers with the ability to receive power connector orders, via second day delivery, at no additional charge.

The customer can place an order of any size, up to a 300 lb. maximum weight, through an authorized *PANDUIT* distributor and *PANDUIT* will absorb the second day freight charges. All orders will be shipped directly to the customer. Orders received by *PANDUIT* Customer Service before 3:00 P.M. CST will be shipped on the same day, via second day delivery. Orders received after 3:00 P.M. CST will be shipped the next business day, via second day delivery.

For more program details, go to www.panduit.com/pcexpress or contact *PANDUIT* Customer Service at 800-777-3300.

Note: All programs and benefits are subject to terms and conditions.