

Continuous Operation & Sustainability



Thomas & Betts

A Global Leader in Innovative...

Wire & Cable Management • Cable Protection Systems • Power Connection & Control • Safety Technology

In the most demanding, non-stop operating environments, one single point of failure can lead to costly — or even disastrous — results.

Thomas & Betts Solution Sets



Continuous Operation & Sustainability



Corrosion & Harsh Environment Protection



Grounding & Bonding



Power Quality, Efficiency & Reliability



Safety & Contamination



Hazardous Location Protection



SKU Reduction



Total Project Cost Reduction



Liquid Ingress Protection



Extreme Temperature Protection



Services & Training

24/7/365 Is the New Workday

The era of 9 to 5 is in the past. In today's global economy, everyone is expected to give all they have, all the time. For facilities to operate at full capacity, around the clock, it is critical that companies continually evaluate the design, construction, maintenance and operation of their electrical systems. Failure to do so can lead to costly and potentially critical consequences.

Single points of failure in electrical systems serving data centers and other crucial areas can significantly impact ongoing operations and production, and lead to costly and dangerous outages. If reliable, continuous operations and sustainability are key factors in your organization's success, then it is imperative that you work with an electrical manufacturer who understands the challenges you face and offers a comprehensive product line with solutions for almost any application, regardless of operating environment conditions.

Because Downtime Isn't an Option

From motor lead disconnects and compression connectors to industrial UPS systems to support the continuous operation of your most critical electrical equipment, Thomas & Betts provides the electrical systems and components you need to ensure reliable operation and minimal downtime.

Whether your goal is to prevent liquid ingress or contamination of your connectors, or you require fuses that reduce the risk of arc flash hazards, our broad range of services and solutions will help you extend equipment lifespan, reduce capital expenditures, increase operational equipment effectiveness (OEE) and safety and help you standardize your electrical system. Plus, we can provide installation training certification to help ensure plant reliability and qualified technical personnel to assist you in quickly getting your plant back online.



Ocal® PVC-Coated Conduit System



Russellstoll® Pin-and-Sleeve Interconnections



Delivering value through system solutions based on engineering innovation.

Our Value Commitment

Thomas & Betts is committed to helping you meet the challenges of corrosion prevention with electrical solutions, services and systems that deliver value. These include:

T&B Engineered solutions — Our products are designed to perform dependably under conditions such as constant moisture, harsh chemicals, extreme temperatures, high-pressure washdown, ultraviolet exposure, hazardous areas, high-vibration equipment and continuous operation.

Tested reliability — Our products are rigorously tested for use in harsh environments, with proven results in thousands of installations.

Expert support — Thomas & Betts trained sales representatives and technical services experts are available at every stage of a project, from planning and site preparation through construction and MRO.

Training and certification — Thomas & Betts conducts training programs on specific products and systems and works closely with accredited electrical industry associations. Contact us for details.

Product availability — Our industry-leading distributor network assures you of reliable and on-time delivery. This global electrical product support system ensures that our solutions are available when and where you need them.



Product Platforms

For over a century, Thomas & Betts has provided customers with electrical system solutions to help protect their people and assets, while meeting applicable codes, lowering installed costs and providing overall value.

Wire and Cable Management — Thomas & Betts invented the Ty-Rap® Cable Ties in 1958 and continues to lead the industry in innovative wire and cable management solutions. For harsh and corrosive environments, we offer Ty-Rap® Cable Ties in coated and uncoated stainless steel as well as polypropylene and fluoropolymer materials.

Cable Protection Systems — Electrical systems exist in harsh and corrosive environments, extreme temperatures and hazardous locations. Thomas & Betts has engineered, tested and certified raceway solutions for all types of wires, cables and cords, offering long life and safe, reliable, maintenance-free performance, regardless of environmental conditions.

Power Connection and Control — Advanced electronic and electrical systems require signals and controls to be extremely accurate, consistent and reliable. Our power connection and control system solutions make this expectation a reality for your low-, medium- and high-voltage electrical system needs.

Safety Technology — Thomas & Betts is a worldwide leader in lightning and surge protection, hazardous location lighting, emergency lighting and supporting central battery systems. We use state-of-the-art technologies to design our electrical system solutions so they meet global safety and reliability standards.



**Thomas & Betts products
for continuous operation
& sustainability**

Blackburn®

- Motor Lead Disconnects and Compression Connectors

Carlton®

- Floor Boxes and Mud Box Assemblies
- Media Boxes
- PH Solutions
- Rigid Non-Metallic Conduit Fittings
- Structured Cabling System
- Vapor Barrier Boxes

Cyberex®

- UPS Systems

Elastimold®

- Underground Cable Accessories and Arresters

Hi-Tech®

- Current-Limiting Fuses

Homac®

- Temporary Service Adapter

Kindorf®/Superstrut®

- Seismic Bracing

Ocal®

- PVC-Coated Conduit System

PMA®

- High-Performance Flexible Nylon Conduit Systems

Red Dot®

- Code Keeper® Weatherproof While-in-Use Covers
- Extra-Duty Weatherproof Electrical Covers

Russellstoll®

- Pin-and-Sleeve Interconnections

Sta-Kon®

- Shrink-Kon® Wire and Connector Insulation Products

Steel City®

- Floor Boxes
- High-Capacity Floor Boxes

T&B® Fittings

- Stainless Steel Conduit Fittings
- Stainless Steel Liquidtight Conduit and Cord Fittings
- Type A Non-Metallic Flexible Conduit and Fitting
- XD Expansion/Deflection Coupling and XJG Conduit Expansion Coupling

Increase the operational efficiency and reliability of your critical electrical equipment with Thomas & Betts' broad portfolio of solutions, no matter what the application or operational environment.



Continuous Operation & Sustainability Solutions

Blackburn®

Motor Lead Disconnects

- Motor lead disconnects minimize motor downtime by eliminating the need for bolting and taping during motor change out and offer a quick, snap-together assembly that is insulated with a slide-on cover
- Featuring the Color-Keyed® Compression System that ensures proper connections



Blackburn®

Compression Connectors

- Boost efficiency with fewer crimps that yield superior terminations
- Featuring the Color-Keyed® Compression System that ensures proper connections
- Design/quote/order custom lugs easily using the online Configurator to meet the needs of any project — with guaranteed two-week shipment



Russellstoll®

Pin-and-Sleeve Interconnections

- O-ring sealed pin and sleeves ensure continuous operation by preventing electrical circuit damage due to liquid or contamination penetration into the connector device housing



CYBEREX®

UPS Systems

- Ensure continuous operation of critical electrical equipment
- Rugged electrical design with the versatility of digital signal processors, field-programmable gate arrays and EPROMs

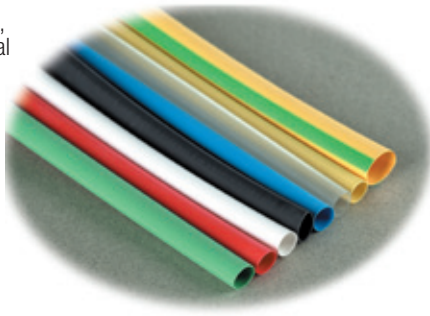


Continuous Operation & Sustainability Solutions

Sta-Kon®

Shrink-Kon® Wire and Connector Insulation Products

- Shrink-Kon® wire insulation products provide superior conductor, connection and termination protection, thus helping to ensure reliable, continuous operations
- High-impact, abrasion, corrosion and chemical resistance



Steel City®

Floor Boxes

- Recessed and flush designs available in many different configurations
- Cast iron, stamped steel and non-metallic body materials available
- Durable solid brass and aluminum covers protect floor outlets



Ocal®

PVC-Coated Conduit System

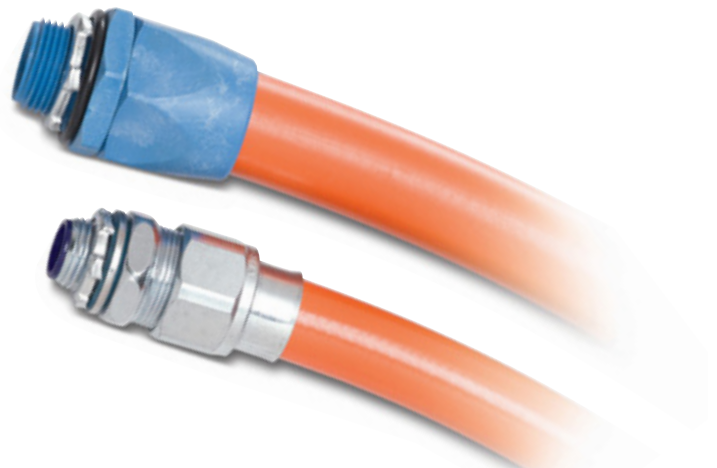


- Superior corrosion protection extends the life of the electrical system

T&B® Fittings

Type A Non-Metallic Flexible Conduit and Fittings

- Fittings available in steel, 304 stainless steel and non-metallic versions
- Ideal for continuous flexing applications or vibration



Hi-Tech® Current-Limiting Fuses



- Reduce arc flash energy
- Protect against transformer tank rupture
- Oil submersible options
- Highest current ratings in a single fuse body available in the industry today



Continuous Operation & Sustainability Solutions

PMA®

High-Performance Flexible Nylon Conduit Systems

- Wide selection of flexible polyamide conduit provides excellent flexing and fatigue life in extreme operating temperature ranges
- Excellent resistance to highly corrosive chemicals
- Complete line of easy-to-install straight and angled fittings
- IP66, IP68 and IP69K liquid ingress protection



redodot®

Extra-Duty Weatherproof Electrical Covers

- Durable protection for outdoor electrical outlets
- Ideal for parking garage power support
- Comply with NEC® Extra-Duty requirements
- Rugged metal covers provide long service life and superior protection



T&B® Fittings

Stainless Steel Conduit Fittings



- Ideal for extremely harsh environments
- Available in 304 and 316 stainless steel

T&B® Fittings

Stainless Steel Liquidtight Conduit and Cord Fittings



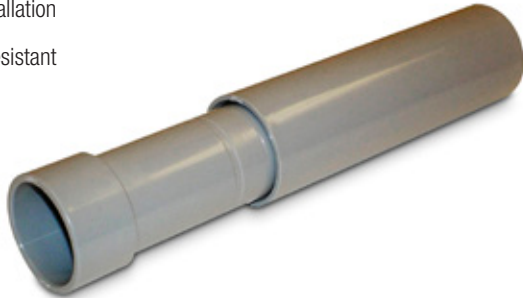
- 305 stainless steel construction resists corrosion
- Rounded gland nut deflects water from connector
- Continuous sealing ring ensures a liquidtight seal

Continuous Operation & Sustainability Solutions

Carlton®

Rigid Non-Metallic Conduit Fittings

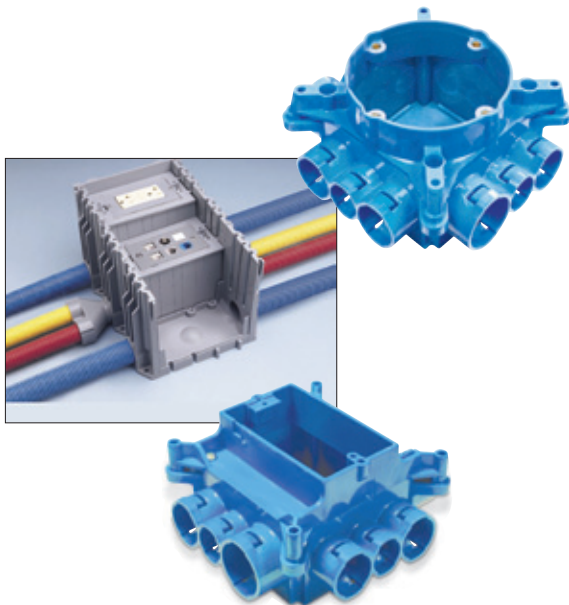
- Ideal for corrosive environments
- Rugged PVC construction
- Easy installation
- Impact resistant



Carlton®

Floor Box and Mud Box Assemblies

- Non-metallic PVC construction
- Corrosion-resistant hardware ensures long life and reliable performance
- Concrete tight
- Eliminate rust and the need for replacement
- Provide safe handling/installation



HOMAC®

Temporary Service Adapter

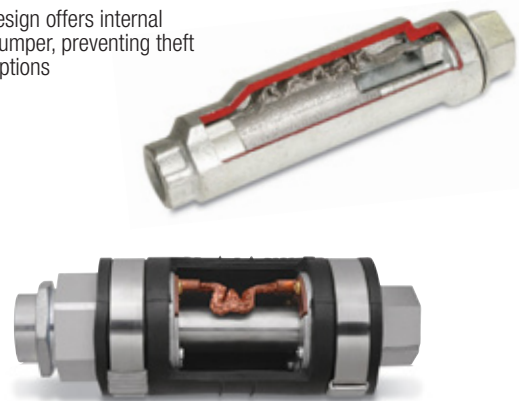
- Ideal for providing short-duration emergency service to improve reliability and customer satisfaction
- Restores power to customer — keeping the meter running and continuing to generate revenue — while crews conduct troubleshooting and repairs
- Load-side adapter mounts between the meter and meter socket of the house that is the site of the repair, while the source-side adapter mounts between the meter and meter socket of a nearby house
- Alternative source-side adapters are available for direct connection to padmount or overhead transformers



T&B® Fittings

XD Expansion/Deflection Coupling and XJG Conduit Expansion Coupling

- Easier and faster to install allowing time and labor savings
- Unique design offers internal bonding jumper, preventing theft and disruptions





Continuous Operation & Sustainability Solutions



Code Keeper® Weatherproof While-in-Use Covers

- Code Keeper® kits ship with a variety of inserts to accommodate different device configurations
- Kits have everything you need for installation — while-in-use cover, outlet box, GFCI receptacle, mounting accessories and hardware mounting accessories



Structured Cabling System

- Meets future wiring needs of advancing technology in power and data



PH Solutions



- Made of post-industrial scrap
- Unique fire rating saves on material costs
- No need to utilize mineral wool insulation or fire or putty pads



Media Boxes

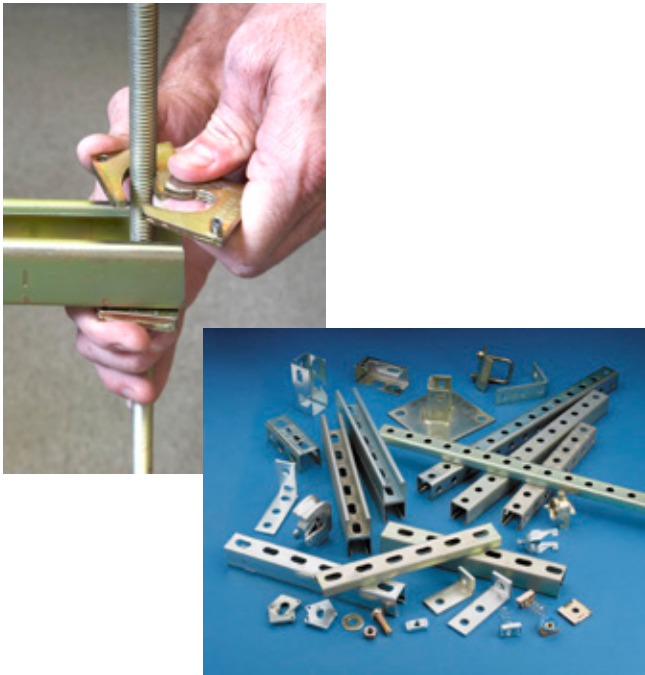
- Support current and future wiring needs for advancing flat-screen technologies



Continuous Operation & Sustainability Solutions

Kindorf® / Superstrut®

Seismic Bracing



- Improved design enables easy selection of support and anchorage options
- Can be used in light, medium or heavy applications
- Complete component specifications

Carlton®

Vapor Barrier Boxes

- Integral gasket creates vapor barrier, eliminating the need for messy sealant
- Reduce energy consumption by creating a barrier to block energy loss in a home or apartment



Steel City®

High-Capacity Floor Boxes



- Durable, high-capacity, in-floor electrical solutions, such as the 68-HP and 665-AV2, provide sustainability to meet current and future power and data wiring needs
- Also allow for running of pre-terminated low-voltage cable
- Save time by offering the highest quality BIM models for all in-floor electrical and low-voltage needs in a hospital
- All-metal cover options, including stainless steel, aluminum and brass, resist damage and provide durability in high-traffic areas

elastimold®

Underground Cable Accessories and Arresters

- Underground cable accessories rated for 5 to 35kV applications include elbows, joints and terminations
- Underground arresters



Visit the T&B world of electrical product solutions

Visit our web site for more information about Thomas & Betts solutions and our newest products. For a user-friendly catalog and competitive part number search, application and technical support and other useful information, go to:
www.tnb.com

Industry codes and specifications

All Thomas & Betts products meet or exceed applicable industry specifications or codes which are detailed in the appropriate T&B product literature.



Online CAD library

Thomas & Betts offers free download of two- and three-dimensional CAD models of many of its products in more than 90 native CAD formats at: www.tnb.com/cadlibrary

American Recovery and Reinvestment Act (ARRA)



Get certification letters for compliant products online at:

www.tnb.com/ARRA

Thomas & Betts Corporation

8155 T&B Boulevard
Memphis, TN 38125
901.252.8000

www.tnb.com

United States

Thomas & Betts Corporation
Electrical Division Headquarters
8155 T&B Boulevard
Memphis, TN 38125
Phone: 901.252.8000
Fax: 901.252.1354
Technical Services:
888.862.3289
Customer Service:
1.800.816.7809
Email: elec_custserv@tnb.com

Canada

Thomas & Betts Ltd
700 Avenue Thomas
St.-Jean-sur-Richelieu
Quebec J2X 2M9
Phone: 450.347.5318
Fax: 450.347.1976

Latin America

Mexico: 01-800-TNB-HELP
Central America & Caribbean:
+52.81.8329.7707
South America:
+52.81.8329.7643
Email: servicioalcliente@tnb.com

Europe/Africa

T&B European Centre
200 Chaussée de Waterloo
B-1640 Rhode-St-Genèse
Belgium
Phone: +32.235.98200
Email: europe_inquiry@tnb.com

Middle East

Thomas & Betts Ltd
PO Box 54567
Office 107 5EA East Wing
Dubai Airport Free Zone
Dubai
United Arab Emirates
Phone: +9714.609.1635
Fax: +9714.609.1636
Email: me_ex_enquiry@tnb.com

Asia Pacific

Thomas & Betts Asia Pte Ltd
10 Ang Mo Kio Street 65
#06-07 Techpoint
Singapore 569059
Phone: +65.6720.8828
Fax: +65.6720.8780
Email: asia_inquiry@tnb.com

Thomas & Betts