



Continuous Operation & Sustainability

Thomas & Betts. Your best connection for innovative solutions.

Thomas & Betts

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



***Hazardous Location
Protection***



***Total Project Cost
Reduction***



***Liquid Ingress
Protection***



***Extreme Temperature
Protection***

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.

Downtime is Not an Option

From motor lead disconnects and compression connectors to conduit fittings and seismic bracing, 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 corrosion 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.



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 continuous operation and sustainability 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.

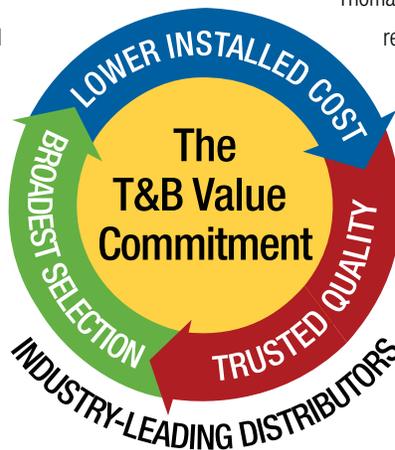
Wire and Cable Management — Thomas & Betts invented Ty-Rap® Cable Ties in 1958 and continues to lead the industry in innovative wire and cable management solutions. From cable tray systems and electrical boxes to metal framing and meter sockets, end-users depend on

Thomas & Betts products to get the job done right and to help reduce costs and installation time.

Cable Protection Systems — Electrical systems exist in harsh and corrosive environments, extreme temperatures and hazardous locations. Thomas & Betts has engineered, tested and certified cable protection 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 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.





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

Thomas & Betts products for continuous operation and sustainability

Blackburn®

- E-Z-Ground® Compression Connectors
- Mechanical Grounding Connectors
- Exothermic Welding System
- Compression Lugs and Splices
- Motor Lead Disconnects

Carlson®

- Floor Boxes and ENT (Electrical Nonmetallic Tubing) System
- Media Boxes
- Rigid Non-Metallic Conduit Fittings
- Structured Cabling System

Elastimold®

- Underground Cable Accessories and Arresters

Emergi-Lite®

- EMEX Central Battery Systems

Hi-Tech®

- Current-Limiting Fuses

Homac®

- Copper Flood-Seal® Compression Splice Kits
- Substation Connectors

Lumacell®

- ARGES Central Battery Systems

Microelectric®

- Meter Sockets
- Pole Line Hardware and Accessories

Ocal™

- PVC-Coated Conduit System

PMA®

- High-Performance Flexible Nylon Conduit Systems

Ready-Lite®

- Central DC Battery Systems

Red Dot®

- Code Keeper® Weatherproof While-in-Use Covers

Reznor®

- Heating, Ventilation and Cooling Systems

Russellstoll®

- Pin-and-Sleeve Interconnections

Shrink-Kon™

- Heat-Shrinkable Insulation
- Splice Insulators
- Self-Fusing Insulation Tape

Sta-Kon®

- Nylon, Vinyl and Non-Insulated Terminals
- Comfort Crimp® Compression Tools

Steel City®

- Floor Boxes
- High-Capacity Floor Boxes

Superstrut®

- Framing Channel and Accessories
- Seismic Bracing

T&B® Fittings

- Stainless Steel Conduit Fittings
- Stainless Steel Liquidtight Conduit and Cord Fittings
- XD Expansion/Deflection Coupling and XJG Conduit Expansion Coupling
- Liqueatite® Flexible Metallic and Nonmetallic Conduit



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



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



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



Continuous Operation & Sustainability Solutions

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

Liquatite® Flexible Metallic and Nonmetallic Conduit

- Ideal for continuous flexing or vibration environments
- Creates a liquid-, dust-, and oil-tight seal
- Suitable for operating temperatures from -20°C to 60°C



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



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

Silver Grip® Tray/Cord Fitting

- For use in Class I, Gas and Vapour Environments
- Efficient strain relief for cables entering enclosures and raceways
- Ideal for cords used on portable equipment



Continuous Operation & Sustainability Solutions

Carlton®

Rigid Non-Metallic Conduit Fittings

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



T&B® Fittings

XD Expansion/Deflection Coupling and XJG Conduit Expansion Coupling

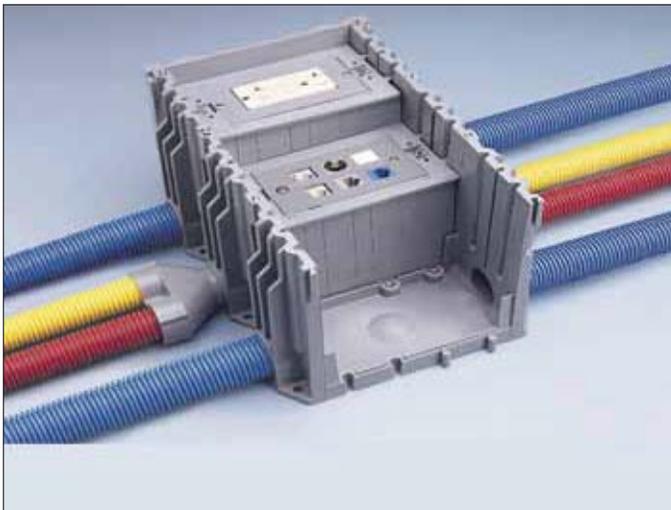
- Easier and faster to install allowing time and labor savings
- Unique design offers internal bonding jumper, preventing theft and disruptions



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





Continuous Operation & Sustainability Solutions

redodot

Code Keeper® Weatherproof While-in-Use Covers

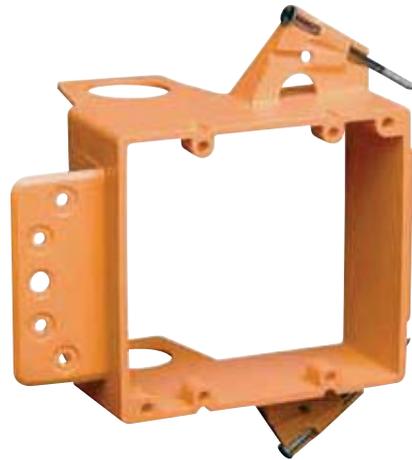
- Code Keeper® kits ship with a variety of inserts to accommodate different device configurations
- Kits have everything you need for installation — while-in-use cover, outlet box, GFCI receptacle, mounting accessories and hardware mounting accessories



Carlton®

Structured Cabling System

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



MICROELECTRIC™

Meter Sockets and Accessories

- Weatherproof under the NEMA Type 3R standard
- CSA-approved for copper or aluminum conductor
- Designed to accept conduit hubs up to 2-1/2 inches
- Available for overhead, underground or combined commercial services



Continuous Operation & Sustainability Solutions

Superstrut®

Framing Channel, Seismic Bracing and Accessories



- Improved design enables easy selection of support and anchorage options
- Can be used in light, medium or heavy applications
- Complete component specifications
- Adjustable Universal Support (AUS) supports pipes, conduit and equipment on flat roofs, below raised floors and on level ground applications

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



Head Office

Thomas & Betts Limited
700 Thomas Avenue
Saint-Jean-sur-Richelieu, Quebec J2X 2M9

Tel.: (450) 347-5318
Fax: (450) 347-1976

Regional Sales Offices

Atlantic Provinces

Thomas & Betts Limited
106 Chain Lake Drive, Unit 2C
Halifax, Nova Scotia B3S 1A8

Tel.: (902) 450-1307
Toll Free: 1-877-862-4357
Fax: (902) 450-1309

Quebec

Thomas & Betts Limited
7900 Taschereau Boulevard
Building D, Suite 108
Brossard, Quebec J4X 1C2

Tel.: (450) 466-1102
Toll Free: 1-800-465-1399
Fax: (450) 466-1163

Ontario

Thomas & Betts Limited
2000 Argentia Road
Plaza 5, Suite 500
Mississauga, Ontario L5N 2R7

Tel.: (905) 858-1010
Toll Free: 1-877-291-7771
Fax: (905) 858-1080

Manitoba / Saskatchewan

Thomas & Betts Limited
6531-148th Street, #1
Surrey, British Columbia V3S 3C5

Tel.: (604) 598-9811
Toll Free: 1-866-540-8220
Fax: (604) 598-9840

Alberta

Thomas & Betts Limited
4836 Eleniak Road
Edmonton, Alberta T6B 2S1

Tel.: (780) 424-7092
Toll Free: 1-888-664-5666
Fax: (780) 424-7093
Toll Free: 1-866-424-4082

British Columbia

Thomas & Betts Limited
6531-148th Street, #1
Surrey, British Columbia V3S 3C5

Tel.: (604) 598-9811
Toll Free: 1-866-540-8220
Fax: (604) 598-9840

Visit the Thomas & Betts world of electrical product solutions

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

Industry codes and specifications

All Thomas & Betts products meet or exceed applicable industry specifications or codes detailed in the appropriate Thomas & Betts 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



All information and specifications contained in this catalogue are subject to change due to engineer design, errors and omissions. Illustrations and diagrams within this catalogue may vary from actual products.

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

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