



Electrical Solutions
for
**Single- and Multi-Family
Housing**

Thomas & Betts. Your best connection for innovative solutions.

Thomas&Betts

Key concerns for residential structures

- **Sustainability and energy efficiency**
- **Total project cost reduction**
- **Safety for occupants as well as installers**



Valuable solutions for the construction, renovation and servicing of residential facilities

Our Value Commitment

Thomas & Betts is committed to helping you meet the challenges encountered in single- and multi-family homes 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 product support system ensures that our solutions are available when and where you need them.

Residential Facilities



Single-Family Homes

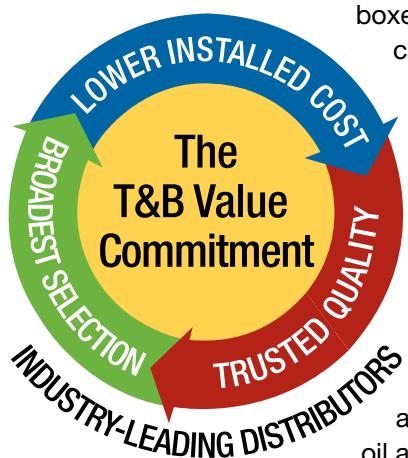


Multi-Family Homes

Product Platforms

For more than 100 years, Thomas & Betts has been a leader in providing quality indoor and outdoor wiring and electrical components to the residential construction market.

Wire and Cable Management — Thomas & Betts invented the Ty-Rap® cable tie in 1958 and continues to lead the world in innovative wire and cable management. OEMs, panel builders, contractors and maintenance personnel depend on our electrical boxes, cable ties, weather-proof enclosures, cable tray and modular metal framing to do the job right and help reduce installation time and costs.



Cable Protection Systems — Thomas & Betts Cable Protection Systems provide unsurpassed protection for wire and cables in the most demanding applications. They encompass industry-leading flexible conduit systems, PVC-coated conduit and fittings recognized as the standard in oil and gas applications and explosion-proof conduit systems meeting worldwide standards for hazardous locations.

Power Connection and Control — For reliable connection and intelligent control of electrical power, Thomas & Betts' mechanical and compression connectors, grounding products, medium-voltage cable accessories, high-voltage fuses, vacuum interrupters, reclosers and capacitor switches are specified worldwide in the industrial, construction and utility markets.

Safety Technology — Protecting lives and property requires state-of-the-art technology. Thomas & Betts is a worldwide leader in emergency lighting and supporting central battery systems, and lighting for hazardous locations. Our Safety Technology extend the life of your electrical system and protect your employees and assets.

T&B Engineered solutions for every residential project

- Single-Family Homes
- Multi-Family Homes, including Apartment Complexes and High-Rise Condominiums
- New Construction
- Renovations and Remodeling
- Additions to Existing Structures



At Thomas & Betts, residential construction goes beyond the simple house on the corner. From a single-family home to a multi-story apartment complex or high-rise condominium, we understand the dynamic challenges faced in the residential market and are committed to providing innovative electrical solutions that promote sustainability, reduce overall project costs and provide a safe working and living environment. Technology and regulatory evolution is driving change throughout our living areas, and Thomas & Betts is focused on providing solutions that not only solve current real-world problems, but offer the flexibility to accommodate future demands.



Electrical System Issues for Single- and Multi- Family Housing



**Continuous Operation
& Sustainability**



**Total Project Cost
Reduction**



Grounding & Bonding



Safety



**Liquid Ingress
Protection**



Continuous Operation & Sustainability

Technology and regulatory evolution are driving change throughout single- and multi-family homes. Thomas & Betts focuses on providing innovative electrical solutions that are not only highly durable and maintain integrity over time, but are also flexible to efficiently accommodate future demands.



IBERVILLE®

Boxes and Fittings

- Industry's most complete selection of steel boxes
- Labor saving SSX boxes with mounting strap for steel stud installations and integral additional support bracket
- Economically priced fittings for cable and all types of conduit

MICROLECTRIC®

Meter Sockets

- 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

Carlton®

Sustainable Design

- Media boxes support current and future wiring needs for advancing flat screen technologies
- Recessed work surface receptacle puts power conveniently within reach



Iberville®
LHTQ™ Boxes



Microlectric®
Meter Sockets



Red-Dot®
Code Keeper® Weatherproof
While-in-Use Covers



Steel City®
Residential
Floor Boxes



Blackburn®
Overhead
Service Entrance
Connectors



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

Blackburn®

- Overhead Service Entrance Connectors
- Ground Plates
- Mechanical Ground Clamps

Carlton®

- While-in-Use Outdoor Covers
- Media Boxes
- PVC Conduit
- Quick-Connect Mud Box Assemblies and Fittings

Iberville®

- LHTQ™ Boxes
- Fittings
- Roughing-In Products

Marrette®

- 833™ Wide Range, Twist-On Winged Wire Connectors

Microlectric®

- Meter Sockets
- Pole Line Hardware and Accessories

NuTek™

- Nonmetallic Boxes

Red•Dot®

- Code Keeper® Weatherproof While-in-Use Covers

Steel City®

- Residential Floor Boxes

Thomas & Betts provides sustainable electrical systems and components with features that meet technological needs, now and into the future.



Total Project Cost Reduction

The residential market encompasses much more than the single-family home. Apartment complexes and high-rise condos have different needs than a 2,000 square-foot house. Large, repetitive areas, firewalls and steel stud construction are a few differences that lead to unique needs. Labor becomes more significant, so improving efficiency plays a central role in lowering total project costs. Thomas & Betts offers you solutions to help drive efficiency improvements, saving time, cutting labor costs and reducing overall project costs.



IBERVILLE

Boxes, Covers and Accessories

- LHTQ™ box family for wood studs combines time-saving installation features with additional cubic capacity
- BCR2000™ low-profile box installs without cutting into the vapour barrier, eliminating air infiltration and drastically reducing installation time
- Labor-saving SSX boxes with mounting straps for steel stud installations and integral additional support bracket

Fittings

- CI4004 snap-in, self-locking cable connectors

NuTek®

Nonmetallic Boxes

- Large-capacity nonmetallic boxes
- R-2000-compliant airtight models with closed cell foam gaskets
- Self-clamping cable entry tabs



Iberville®
LHTQ™ Boxes

Iberville®
BCR2000™
Low-Profile Box

NuTek™
Nonmetallic Boxes

Marrette®
Twist-On
Wire Connectors

Carlton®
ENT System



Thomas & Betts products for total project cost reduction

Blackburn®

- Compression Connectors
- Grounding Systems
- Ergonomic Compression Tools

Carlton®

- ENT System
- While-in-Use Outdoor Covers
- Media Boxes
- PVC Conduit
- Quick-Connect Mud Box Assemblies and Fittings

Iberville®

- LHTQ™ Box Family
- Fittings
- Roughing-In Products

Marrette®

- 833™ Wide Range, Twist-On Winged Wire Connectors

Microlectric®

- Meter Sockets
- Pole Line Hardware and Accessories

NuTek™

- Nonmetallic Boxes

Steel City®

- Residential Floor Boxes

Thomas & Betts offers you superior logistics, material handling and inventory savings. Your order can be shipped palletized, packaged and identified per floor, per room or per location to reduce the need for material sorting and handling, with shipments delivered to your jobsite before or on the day needed to minimize inventory management.



Grounding & Bonding



Thomas & Betts provides a wide range of grounding and bonding solutions to electrically connect all metallic non-current carrying items in a room or building as protection from electric shock.



Safety



Count on Thomas & Betts for emergency and exit lighting, identification products and wire management solutions for every application area in all types of residential facilities.

Blackburn®

E-Z-Ground® Compression Connectors

- High-conductivity copper and bronze connectors for direct burial, OEM or telecom applications

Mechanical Grounding Connectors

- High-strength, split-bolt connectors for copper to-copper connections
- Service post connectors for steel structures, fence posts or transformers using one or two cables

Exothermic Welding Systems

- Simple, self contained systems to form high quality electrical connections

Grounding Components

- Ground rods, metallic gradient control mat, electrode boxes, compression tools and dies



Blackburn®
Grounding Systems

EMERGI-LITE® / LUMACELL® / READY-LITE®

Emergency Lighting Systems

- Energy-efficient signs and lighting use LED technology with weatherproof, flame-retardant, aesthetic and customizable designs for long, low-maintenance service life

Nexus® Emergency Lighting Management System

- Remote monitoring and control from one central unit
- Enhances safety while decreasing maintenance costs
- Can contribute to LEED credits

Steel City®

Residential Floor Boxes

- MopTite™ covers for wood, tile and carpet

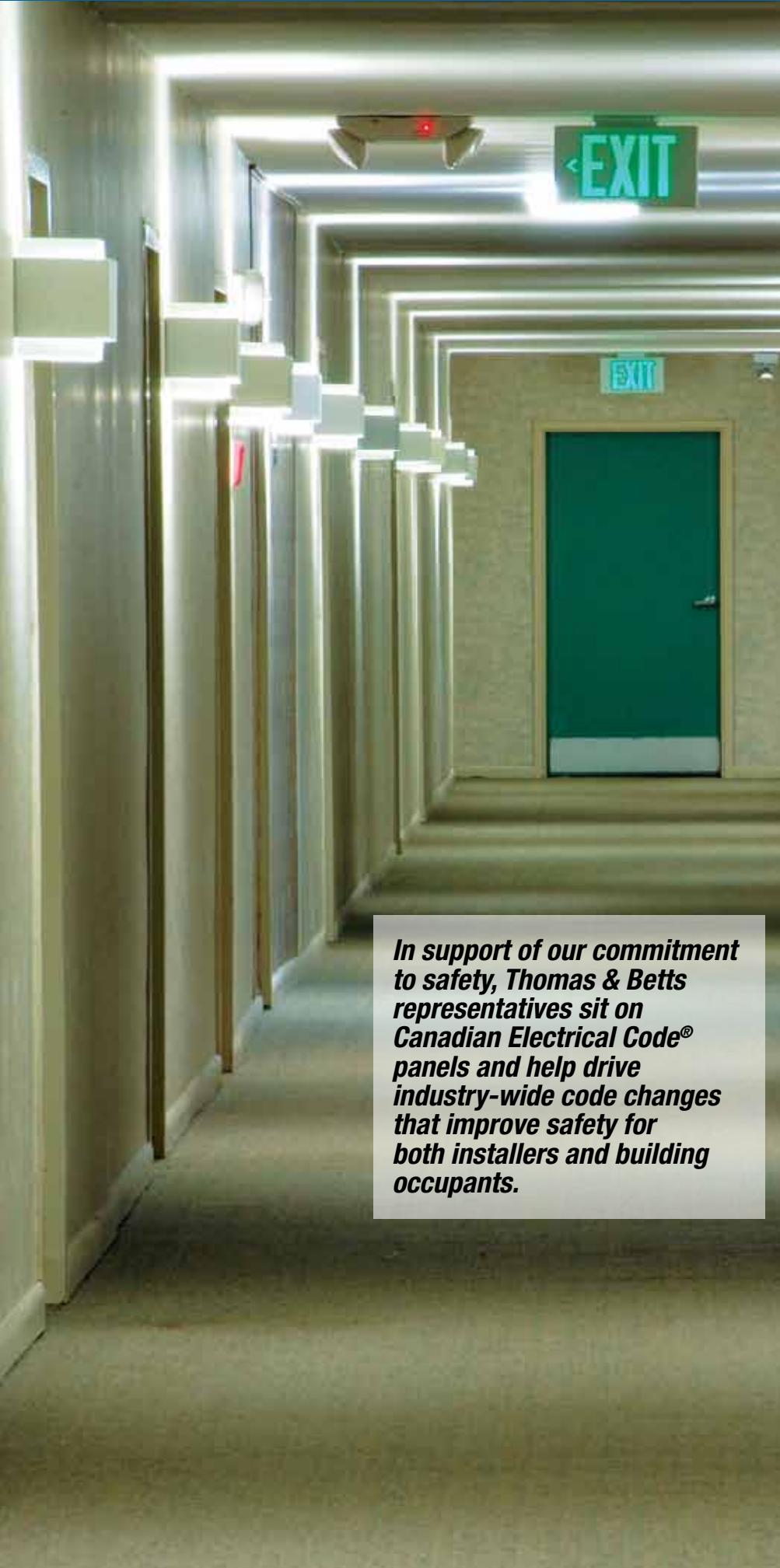
Fire Alarm Boxes and Fittings

- Bright red finish for long-lasting visibility in even the harshest environments



**Emergi-Lite®/ Lumacell®
/ Ready-Lite®**
Emergency Lighting
Systems

Steel City®
Fire Alarm Boxes



Thomas & Betts products for these applications

Grounding & Bonding

Blackburn®

- E-Z-Ground® Compression Connectors
- Mechanical Grounding Connectors
- Exothermic Welding System
- Ground Rods and Plates

Iberville®

- Grounding Bushings
- Water Pipe and Ground Rod Connectors

Safety

Carlon®

- Carflex® Nonmetallic Liquidtight Conduit and Fittings
- Recessed Pop-Up Receptacles
- While-In-Use Outdoor Covers

Emergi-Lite®

- Emergency Lighting and Exit Signs
- Nexus® Emergency Lighting Management System

E-Z-CODE®

- Danger/Warning Labels and Signs,
- Industrial/Wire Markers, Barricade/Burial Tape

Lumacell®

- Emergency Lighting and Exit Signs
- Nexus® Emergency Lighting Management System

Ready-Lite®

- Emergency Lighting and Exit Signs
- Nexus® Emergency Lighting Management System

Red•Dot®

- Code-Keeper® Weatherproof While-in-Use Covers

Steel City®

- Residential Floor Boxes

In support of our commitment to safety, Thomas & Betts representatives sit on Canadian Electrical Code® panels and help drive industry-wide code changes that improve safety for both installers and building occupants.



Liquid Ingress Protection

Outdoor weatherproof protection of electrical systems is more significant than ever. Investments in solar technology, new high-efficiency air-quality units and even outdoor living upgrades require significant updates in power and lighting to the exterior of a home. Thomas & Betts is committed to protecting electrical systems through durable, sustainable and innovative solutions.



IBERVILLE®

Liquidtight Fittings

- Raintight conduit fittings provide a superior seal for demanding situations
- Concrete tight EMT compression fittings

FS/FD boxes

- Provide a raintight installation when used with an appropriate cover
- Precision-molded NPT threaded hubs allow trouble-free field installation for threaded watertight fittings

Steel City®

71W Residential Floor Boxes

- MopTite™ covers meet scrub-water requirements for wood, tile and carpet
- Includes tamper-resistant receptacle



Iberville®
Liquidtight Fittings

Steel City®
Floor Box

red-dot®

Weatherproof Outdoor Power and Lighting Solutions

- Rugged, long-lasting, outdoor-weatherproof electrical protection with corrosion-resistant, die-cast aluminum construction
- Permanent metallic landscape lighting offers durability and enhances the value of the home

Carlton®

Carflex® Non-Metallic Liquidtight Conduit and Fittings

- Superior wire protection in harsh, damp and outdoor environments
- Conduit is lightweight for easy handling, non-conductive, non-corrosive and resistant to oil, acid, ozone and alkaline
- One-piece PVC fittings provide protection against water, oil and dust in indoor and outdoor locations
 - UL® Listed for use in wet locations



Red-Dot®
Code Keeper® Weatherproof
While-in-Use Covers

Carlton®
Carflex® Non-Metallic
Conduit and Fittings



Thomas & Betts products for liquid ingress protection

**What NEMA/IP ratings
are required to prevent
liquid ingress into
electrical systems in
your projects?**

Carlton®

- Carflex® Non-Metallic Liquidtight Conduit and Fittings

Iberville®

- Liquidtight fittings
- EMT raintight fittings
- FS/FD Boxes and Covers

Red•Dot®

- Code Keeper® Weatherproof While-in-Use Covers
- Weatherproof Outdoor Lighting

Reznor®

- Weatherproof HVAC Units

Shrink-Kon™

- Tubing and Insulation Products



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 for use in single- and multi-family housing meet or exceed applicable industry specifications or codes detailed in the appropriate T&B product literature.



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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