

## Overview

### Trust Ty-Rap® to securely fasten your cables!

#### Installers Know and Trust Ty-Rap High-Performance Fastening Products from Thomas & Betts

Wire and cable bundling is an integral part of modern electrical and electronic installations. To finish your harnessing and bundling project as reliably, professionally looking and economically as possible, choose genuine Ty-Rap cable ties. These fastening systems include a full range of cable ties, identification ties, clamps, bases, harnessing aids and installing tools. Using Ty-Rap fastening systems for all fastening jobs, large and small, will speed and improve the reliability of harnessing and wire bundling while saving you money.



Ty-Rap® Cable Fastening Systems



#### Harnessing


- Harness Board pre-wiring prior to installation
- Large OEMs — Automotive, Aerospace, Computers, Electronics, Copiers, Appliances and other Durable Goods

T&B fastening systems for large volume cable tying combine high-speed ergonomically designed tools, along with a wide selection of ties and harnessing aids to meet your application requirements. Accessories include various mounting bases, harnessing aids, retainers, clips, clamps, supports, posts, pins and guides that allow the wire to be quickly routed with or without the use of harness nails.

#### Other Applications

- HVAC
- Recreational
- Telecom & Utility
- Packaging



Ty-Rap cable ties are remarkably well suited for a variety of other non-electrical applications. Ty-Rap cable ties exceed UL 1565 requirements for smoke developed and heat release for use in air handling spaces. Ty-Rap cable ties meet international standards such as CSA and CE as well as UL,  Belcor, ADC and military specifications in North America. T&B also offers a complete stainless steel and Deltec® cable fastening system for demanding and weather-resistant applications. Choose genuine Ty-Rap cable ties for the rugged "Grip of Steel." Look for the oval head.

#### Point-to-Point and Long Distance Wiring

- Bundling & fastening cables between equipment
- Panel & Machine Tool Builders
- Industrial & Commercial Applications, Refineries, Office Buildings

Installers prefer the ease of use and exceptional durability of genuine Ty-Rap cable ties. Engineered for labor savings and high performance, Ty-Rap cable ties are commonly used in a variety of applications. Standoffs, bulkhead mounting bases, adhesive mounting bases and a wide variety of clamping devices will meet or exceed any requirements. Weatherable and special material Ty-Rap cable ties are exceptionally suited for years of service in extreme environments.

#### Cable Fastening Accessories

Choose from one of the largest assortments of mounting bases, clips and clamps, spacers, lashing straps, harness board accessories, braided wire protection sleeving, and accessories for your fastening needs. Use Thomas & Betts cable fastening accessories for the finishing touch on your next wiring project.

#### Tools

Ty-Rap installing tools properly complete the installation of the cable tie. Ties are cinched to the proper tension and the excess tail is cut off precisely flush with the head, leaving no sharp corners or ragged edges. Ty-Rap installing tools are lightweight with narrow noses and slim profiles for work in tight spaces or between harness board nails. The operation is quick, reliable and cost effective.

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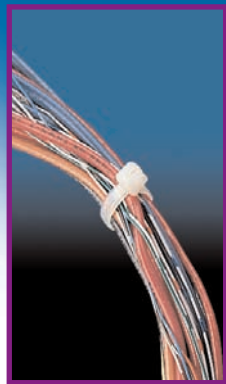
### Why Choose Genuine Ty-Rap® Cable Ties?

**Oval, Low Profile Head** gives a professional, quality look to wire bundling projects. The classic-shaped head is designed to prevent snags on uneven surfaces and easier to pull through bulkheads. There are no sharp edges, so these ties are also easier on the installer's hands.



The **Turned-up Tail** orients the tie for easy assembly, making the ties easier to pick up on a flat surface.

**No-Slip Tail** provides easy grip during tensioning. Ty-Rap cable ties feature a unique friction surface designed to reduce slippage during installation.



For a whole bundle of reasons, trust only Genuine **Ty-Rap Cable Ties** by Thomas & Betts in your next wiring installation.

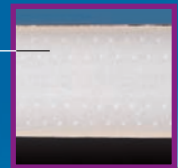


**"The Grip of Steel"™ Non-Magnetic Stainless Steel Locking Device** insures both maximum strength and the right tightness every time. Because there are no notches, Ty-Rap Cable Ties provide an infinite number of locking positions while fastening the tie at the precise bundle diameter needed.

**Versatile Nylon 6.6 Material** provides high strength, a wide temperature range and prevents toxic or irritating emissions. Ty-Rap Cable Ties are also available in weather-resistant versions, heat-stabilized, flame-retardant, polypropylene, nylon 12, hook and loop, fluoropolymer, and stainless steel materials for a variety of extreme environments.

**Smooth, Notchless Body** reduces stress concentration points under tension, making the tie stronger and lower profile than notched body ties.

**Ribbed and Stippled Body** "grips" the bundle and prevents slippage. Rounded edges protect insulation, preventing sharp edges from damaging cables.



Ty-Rap® Cable Fastening Systems

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