

Moving Ahead

Transportation Industry



 **BURNDY**

On Track With the Transportation Industry

*Working Together at
All Stops of the Journey*



Nothing in the transportation industry stands still—and neither does BURNDY. We've been a part of the transportation industry since 1924, when we first began providing engineered product solutions.

Ever since, we've worked to solidify our industry commitment through innovative products and solutions for infrastructure, passenger terminals and the railbeds. Today, we offer:

- Engineered connectors and grounding products to effectively ground to steel for the railroad
- Flexible assemblies—or braid—as an efficient way to protect electrical equipment from the potentially harmful effects of shock, vibration, terminal expansion and movement of components or misalignment
- Our irreversible HYGROUND® compression system for use with structural steel, rebar or I-beams—providing long-term, reliable connections

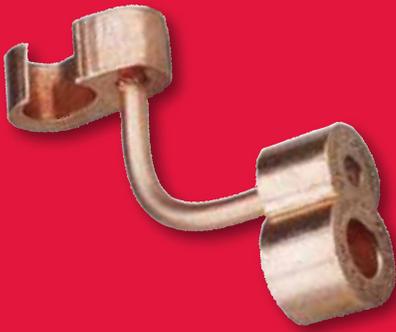
For all stages of your next transportation project, BURNDY is *the* quality, engineered-connection solution company.



Home Base

BURNDY is based in Manchester, New Hampshire, with three manufacturing sites throughout the American Northeast (in Littleton and Lincoln, New Hampshire, and Bethel, Connecticut). Since our founding in 1924, our in-house design teams have built one of the most widely used and reliable product lines available—giving BURNDY a history of industry-renowned customer and technical service.

Whether you're looking for information about the products you plan to install or how existing products are performing, *the answers are right here.*



Grounding wire to steel



Grounding wire to rebar

Why Choose BURNDY

Keep on Track: Grounding to Steel

With the success of a railway largely dependent on its signal system, don't take chances with grounding. After all, through its lifetime, each connection will protect thousands of pounds of cargo. That's why BURNDY offers hundreds of different combinations to accommodate many different shapes and sizes of steel—and all can be trusted for high-quality performance today and in the years to come.

To get started, identify the right type of grounding connection for your job:

- Range-taking **mechanical connections** that use a bolt, nut or other hardware—all installed easily with standard tooling
- **Exothermic connections** with BURNDYWeld®, providing an application to virtually limitless steel shapes
- **Compression connections** with a BURNDY® Type YG-B connector and industry-standard hydraulic tooling

When it comes to grounding to steel, BURNDY is

GroundingSuperstore™



Products for Transportation Applications

| Product Grouping | Rail Car | Infrastructure Rail, Signals, Lighting | Terminals, Stations | Power Supply |
|----------------------------------|----------|--|---------------------|--------------|
| HYGROUND® Compression Grounding | • | • | • | • |
| BURNDYWeld® Exothermic Grounding | | • | | |
| Mechanical Grounding | • | • | • | • |
| Installation Tooling | • | • | • | • |
| HYDENT™ Compression Connectors | • | • | • | • |
| SERVIT® Split Bolt Connectors | • | • | • | • |
| Mechanical Connectors | • | • | • | • |
| Flexible Braid | • | • | | • |
| Substation | | • | | • |
| Heat Shrink | | | • | • |
| UNIRAP™ Cable Ties | | | • | • |
| DURIUM™ Hardware | | | • | • |
| U-BLOK™, BDB, SPEC-BLOK™ | | • | • | |
| Static Discharge Reel | • | • | | |

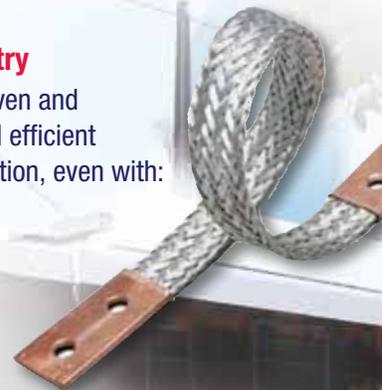
Braid Connectors: Ideal for the Transportation Industry

Made out of tinned (or untinned), pure copper wire that is woven and flattened for greater flexibility, braid offers an economical and efficient way to protect electrical equipment and ensure reliable operation, even with:

- Shock and vibration
- Terminal expansion
- Movement of components
- Misalignment that may occur during the service life of electrical equipment and machinery

Braid absorbs the shock and vibration of operating equipment by providing flexible, current-carrying loads between moving parts of heavy machinery and equipment.

BURNDY standard braids are UL Listed and CSA Certified.



Mechanical clamp connectors designed for use in power, contact or running rail applications.





Grounding to flat surfaces



Grounding to I-beam or structural steel



Experience

- We bring over 85 years of experience in engineering and manufacturing of quality connectors and tooling to the electrical industry.
- **Total Project Support**—We encourage all our customers to take advantage of our expertise. In fact, you may be able to reduce both time and cost when our experienced sales team helps you select the best solution for your application and provides technical training. The end result is enhanced overall system performance and reliability.

Technology

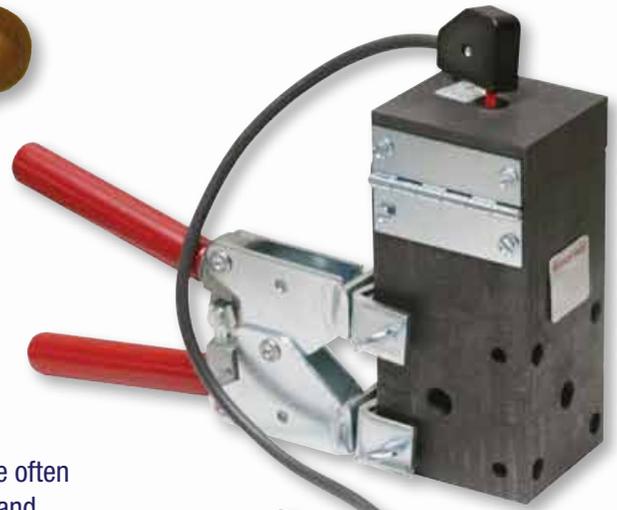
- **Quality Commitment**—BURNDY uses our in-house, certified test lab to ensure our products and installations comply with specific requirements for ANCE, ANSI, ASTM, CSA, IEC, IEEE, the military, NEMA, NUPIC, OSHA, SAE and UL, among others.
- We design and manufacture the BURNDY® Engineered System—an integrated connector system (tool + die + connector).

Answers

- **New Solutions**—Thanks to our ongoing collaboration with transportation engineers, we offer a constant flow of innovative connector and tooling solutions for the industry.
- The importance of grounding to steel is well documented and is particularly critical to the transportation industry. Whether you're using structural steel, rebar or I-beams, there's a BURNDY grounding method that will ensure your connections can be trusted for years to come.

BURNDY is dedicated to environmental sustainability and clean transportation.





BURNDYWeld®

Revolutionizing Exothermic Grounding

Ideal for the transportation industry—and specifically rail, where projects are often located in remote locations—the BURNDYWeld® exothermic process is light and portable, without requiring an outside power source.

With BURNDYWeld®, you'll see:

- Graphite molds that can last for fifty or more welds (with proper care)
- Connections that can withstand a high short-circuit current without loosening or corroding at the point of the weld
- Connections that are specifically designed for steel

Exothermic Made Safer with the QIKLITE™ Remote Ignition Unit

Engineered to address the safety concern with exothermic connections, the BURNDY® QIKLITE™ unit is the only self-contained remote exothermic system that virtually guarantees ignition 100% of the time with reduced emissions.

Powered by four standard "D" size batteries and a 6-foot ignition cord, the QIKLITE™ unit works with BURNDYWeld® molds. **See it in action at [www.youtube.com/watch?v=9JuaLhJ1xRA!](http://www.youtube.com/watch?v=9JuaLhJ1xRA)**



Trust the BURNDY® Engineered System

The BURNDY® Engineered System of coordinating dies, connectors and tools are always designed to work together and engineered to meet stringent, accepted quality standards.



www.burndy.com | 1-800-346-4175

Customer Service Department

7 Aviation Park Drive
Londonderry, NH 03053
1-800-346-4175
1-603-647-5299 (International)

Canada

1-800-361-6975 (Quebec)
1-800-387-6487 (All other provinces)

Mexico

011-52-722-265-4400

Brazil

011-55-11-5515-7225

Tool Service Center

Littleton Industrial Park
Littleton, NH 03561
1-800-426-8720

 **BURNDY®**

