



# Mining Industry

**Connecting** Power to Your World™

 **BURNDY**®

**thermOweld**

# Digging Deep With The Mining Industry

To Uncover the Power Beneath

**Miners are known for their perseverance, strength and commitment. And at BURNDY, we share those values. Since 1924, we have been working to provide engineered product solutions across the mining industry.**

To help ensure miners have the support they need to power the 21<sup>st</sup> century, BURNDY is committed to:

- Offering multiple connector options to meet the needs of the mining industry
- Supporting our irreversible HYGROUND® compression grounding system for use in mining facilities where quality and safety are key
- Continuing to provide high-quality services, tools and technology to the coal, copper and salt mining industries

***Whether above ground or below, BURNDY is your quality, engineered-connection solution company.***



## **Home Base**

BURNDY is based in Manchester, New Hampshire, with manufacturing sites in Littleton and Lincoln, New Hampshire, and Bethel, Connecticut, as well as a distribution center in Londonderry, New Hampshire. 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.***

## Why Choose BURNDY

BURNDY has a history of industry-renowned customer and technical service, along with a reputation of engineering excellence, quality and reliability.

BURNDY provides:

- **Specifically designed BURNDY<sup>®</sup> HYLUG<sup>™</sup> terminals** that can accommodate a wide range of conductor configurations (aluminum, copper, AWG, flex, metric) for application flexibility
- **A closed-loop quality system for connections installed with BURNDY<sup>®</sup> crimping tools and gauges.** All BURNDY<sup>®</sup> tools deliver the correct amount of force, and the crimp die profile ensures the correct design for the specific connection
- **A wide range of one- and two-hole aluminum and copper narrow tongue terminals** designed to be installed in applications with specific size constraints

Our trained and experienced factory sales force can help you get the products that are right for your job. In fact, our advanced engineering support teams can custom-build connectors specifically for your needs.



**Acceptable for direct burial in earth or concrete; UL 467 Listed and CSA Certified**

## Products for Coal, Copper and Salt Mining Applications

Product Grouping	Coal	Copper	Salt
HYGROUND <sup>®</sup> Compression Grounding	•	•	•
BURNDYWeld <sup>®</sup> Exothermic Grounding		•	•
Mechanical Grounding	•	•	•
Installation Tooling	•	•	•
HYDENT <sup>™</sup> Compression Connectors	•	•	•
SERVIT <sup>®</sup> Split Bolt Connectors	•	•	•
Mechanical Connectors	•	•	•
Flexible Braid	•	•	•
Heat Shrink	•	•	•
UNIRAP <sup>™</sup> Cable Ties	•	•	•
DURIUM <sup>™</sup> Hardware	•	•	•

## The Right Splice to Keep the Line Moving

Splices are crucial for keeping a conveyor belt moving—which in turn keeps the mining industry moving. That's why BURNDY offers several splice options:

- **YSV HYLINK<sup>™</sup>:** An uninsulated butt splice for stranded and solid copper conductors in virtually all heavy-duty industrial and general purpose applications
- **YSM HYLINK<sup>™</sup>:** An uninsulated parallel splice that allows wire to be laid parallel inside the connector and then be spliced together



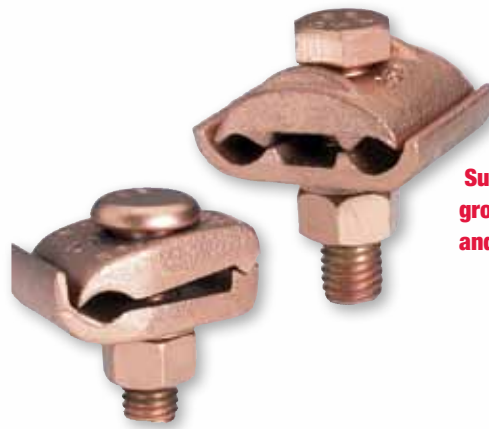
## Cable Ties

The BURNDY<sup>®</sup> universal-grade, one-piece, injection molded cable ties provide maximum strength and adjustability to secure many sizes of bundles. Particularly well-suited for production line use, BURNDY<sup>®</sup> cable ties offer high tensile strength, and are chemically resistant to solvents, alkalies, oils, grease or diluted acids.





With only six connectors and four dies, you can install all combinations from #6 solid through 500 kcmil



Suitable for direct burial in concrete or ground with high copper cast alloy body, and DURIMUM™ bolts, nuts and lockwashers

## 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

- **Innovative Technology**—BURNDY is recognized as the global leader for innovation in engineering and manufacturing of high-quality compression connectors, grounding products and installation tooling.
- **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.

## Answers

- **New Solutions**—Thanks to our ongoing collaboration with mining engineers, we offer a constant flow of innovative connector and tooling solutions for the industry.
- **Integrated Connector System**—The BURNDY® Engineered System (tool + die + connector) is designed and manufactured to live up to the BURNDY reputation for reliable products for the long-term.

With the legacy and innovation for overall quality and versatility as well as their superior performance in the most challenging environments, BURNDY products are chosen by trade professionals throughout the mining industry.



Long-barrel connectors are UL Listed to 90°C and 600 volts to 35 kV





## Class and Zone

BURNDY mining products are rated for use in Class II and Zone 0 locations:

Class/Zone	Hazardous Material in Surrounding Atmosphere
Class II	Hazardous because combustible or conductive dusts are present.
Zone 0	Ignitable concentrations of flammable gases or vapors are either present continuously or for long periods of time.

### Code Considerations for Mining Facilities

Although mines are by nature flammable and potentially explosive, all aspects should consider safety as the top priority. As such, the National Electric Code (NEC) and National Fire Protection Association (NFPA) have released specific guidelines (codes) to be strictly followed when installing or maintaining equipment where it is possible a hazardous atmosphere exists. It is important to understand the basic language of the applicable codes and how they apply to connectors and installation tooling.

ctors

## 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](http://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

The BURNDY logo features a stylized red and white symbol resembling a three-pronged plug or a letter 'B' with a registered trademark symbol, followed by the word "BURNDY" in a bold, white, sans-serif font on a black rectangular background.

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Wiring Device-Kellems

**WIEGMANN**

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