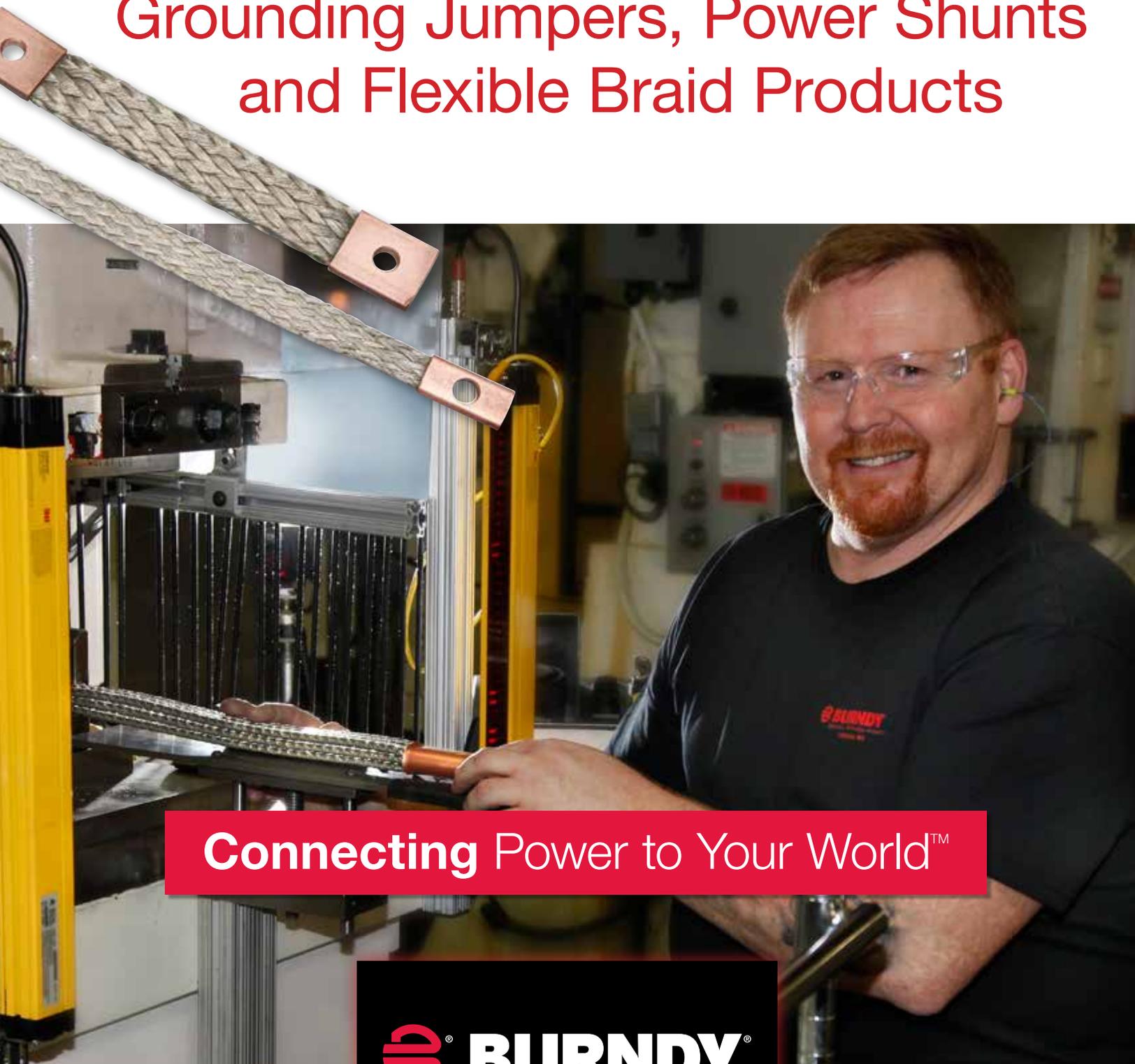
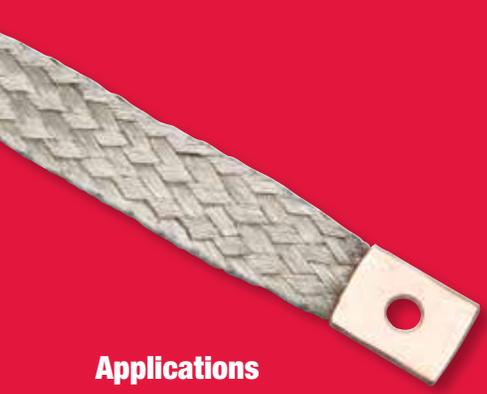


Grounding Jumpers, Power Shunts and Flexible Braid Products



Connecting Power to Your World™

 **BURNDY**®



Applications

Braid is ideal for use in:

- Portable generators
- Transportation (trains, people movers and large transport vehicles)
- Switchgear
- Wind turbines (Nacelle grounding)
- Substations (jumpers between equipment)
- Fence post grounding (grounds gate-post to gate)
- Power/equipment jumpers
- Preassembled leads with connectors already installed

Because many of the applications that are suitable for braid are unique, BURNDY can custom-engineer and design Braid Assemblies to your specifications.

Braid Assemblies are used when a standard conductor (code cable or even welding cable) is not flexible enough to serve as a ground conductor or in full power applications.

BURNDY® Braid

Providing Flexible Grounding and Power Options

As one of our signature products, BURNDY offers Braid Assemblies—an economical and efficient means of protecting electrical equipment from the potentially harmful effects of:

- Shock and vibration
- Terminal or connection area expansion due to temperature changes
- Movement of components
- Misalignment that may occur during the service life of electrical equipment and machinery
- Seasonal movement of outdoor equipment (common in substations)

In addition, braid absorbs shock and vibration of operating equipment by providing flexible, current carrying loads between moving parts of heavy machinery and equipment.

To provide this level of flexibility, braid is made out of woven and flattened tinned (or untinned), pure copper wire. Then, seamless, pure copper ferrules are formed and assembled on each end to provide appropriate contact surfaces. This design ensures:

- Higher amperage ratings versus an equivalent round conductor
- Versatility in adapting to unusual orientations
- Better heat dissipation over other conductor types (i.e., flat bar, strip or cable)

Don't let a connector challenge hold up your project. With BURNDY, we can all keep moving forward.

Common Terms

Braid is also commonly referred to as:

- Shunts
- Braided or power shunt
- Grounding jumpers
- Braid assemblies
- Flexible leads

Benefits of BURNDY® Braid Assemblies

For decades, BURNDY has been supplying high-quality Braid Assemblies. In that time, we've learned a few things that make a superior product.

Engineering Expertise

Our in-house design teams have built one of the most widely used and reliable product lines available. With our USA-based engineers, **BURNDY can provide design assistance and intricate customization** in a fraction of the time.

Comprehensive Manufacturing Capabilities

BURNDY has made significant investments to ensure our **manufacturing facilities are state-of-the-art**. As an example of our dedication to innovation, our manufacturing process ensures high quality and long-term reliability.

In-House Test Lab

As a vital part of BURNDY research and development, our in-house testing lab provides mechanical, electrical, metallurgical and environmental benchmarks for standard and customized tools and connectors. This helps ensure our **braid is UL Listed and CSA Certified, and RoHS Compliant**.

Ordering BURNDY® Braid Assemblies

When determining how BURNDY® Braid Assemblies will work best in your project, we encourage you to call our Customer Service Representatives and take advantage of our 90 years of experience in the electrical industry. We can help you determine the type of braid that will work best in your situation and then discuss our engineering and manufacturing capabilities that can customize your order for:

- Covered (heat shrink covering available)
- Tin-, silver- or nickel-plated ferrules and terminal ends
- Special mounting hole patterns
- Undrilled ferrules or other special ferrule designs
- Elongated/slotted holes
- Special shaping
- Special angle bend
- Split braid assemblies
- Stacked or side-by-side construction
- Rope-lay and round conductor construction
- Sizes (assemblies go from 10 awg to 300 kcmil and higher)

In addition, ferrules can be belled at wire entry to provide additional stress relief.

Note that extra options may increase lead times.

What We Need to Know

When ordering, be sure to provide the following standard requirements for bare braid/untinned ferrules:

- Overall length (including ferrules)
- Ferrule width and length
- The mounting hole size and number of needed holes
- Needed hole pattern (note: drilling required to accommodate hardware)
- Amperage or wire size equivalent

Call us today at 800-346-4175 to get started!

NEW! BURNDY has added 6" and 9" lengths to our in-stock braid options, which also include 12", 18" and 24" lengths.

BURNDY® braid is designed and manufactured with **Six Sigma methodology for exceptional tolerance adherence and 1606 ISO 9001 rating.**

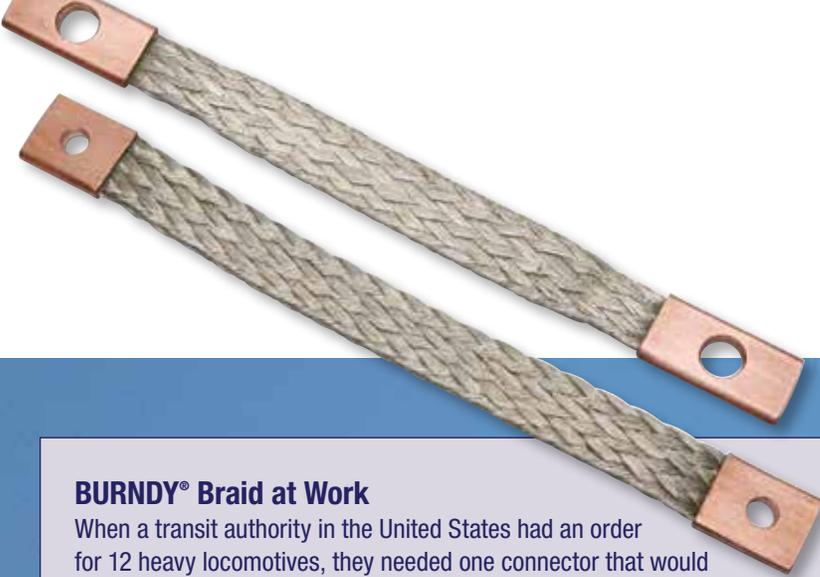
BURNDY Numbering System

Here is an example of how our numbering system works, using the common size "B D 12 N."

- **B** = Braid Assembly
- **D** = Size and type (**D** = 1/0 wire size or 77 kcmil)
- **12** = Length (**12** = 12") (custom lengths readily available)
- **N** = Drilling Pattern/Hole Size (**N** = common **NEMA** pattern)

BURNDY® standard braids are UL Listed to UL-467; specific sizes are CSA Certified to CSA 22.2, No.41 Grounding and Bonding standards.





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

BURNDY® Braid at Work

When a transit authority in the United States had an order for 12 heavy locomotives, they needed one connector that would meet two criteria: Be made in the USA and be proven to meet certification guidelines.

For this project, BURNDY presented drawings for a flexible copper braid that would be manufactured at our Littleton, New Hampshire, facility. BURNDY also fully tinned the braid to the required specifications, all while maintaining UL Listing and CSA Certification.

The result met the requirements for the transit authority's taxpayer-funded project and delivered a higher amperage rating to meet certification guidelines.

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

