

wiley

# Solar Solutions



Connecting Power to Your World™



# Wiley Innovation, BURNDY Quality

In recent years, the solar industry's technology has evolved greatly, allowing solar energy to become more accessible and affordable.

Wiley and BURNDY are leading this evolution with the cost- and time-saving Wiley family of products which are specified more often than any other brand in projects by industry-leading companies.

Learn more about innovative Wiley products at [www.we-llc.com](http://www.we-llc.com) or by calling 800-346-4175.

## **About Us**

With corporate headquarters in Manchester, New Hampshire, BURNDY employs more than 1,200 employees, including more than 125 BURNDY® Factory Direct Sales Representatives and top manufacturing representatives. We staff manufacturing sites throughout New England, the American Midwest and Canada, plus a distribution center in New Hampshire. As a global company, we have offices in Mexico, Brazil and Canada in addition to our engineering and marketing business units in India. We also have 20 fully equipped demonstration trucks in the United States, Canada and Mexico.

**Whether you're looking for information about the products you plan to install or how existing products are performing, we have the solutions you need.**

The WEEB® line of products is designed to bond solar PV modules to mounting structures and create an electrical path to ground.

## New Products

Here's a look at what our engineers have developed to make it even easier and more affordable to incorporate solar technology:

- Expanded line of wire management solutions
- New mid-clamps and end clamps
- New WEEB®DSK line designed for bottom-mount and top-clamp applications
- Line of custom solutions for utility-scale customers
- Expanded line of bonding jumpers

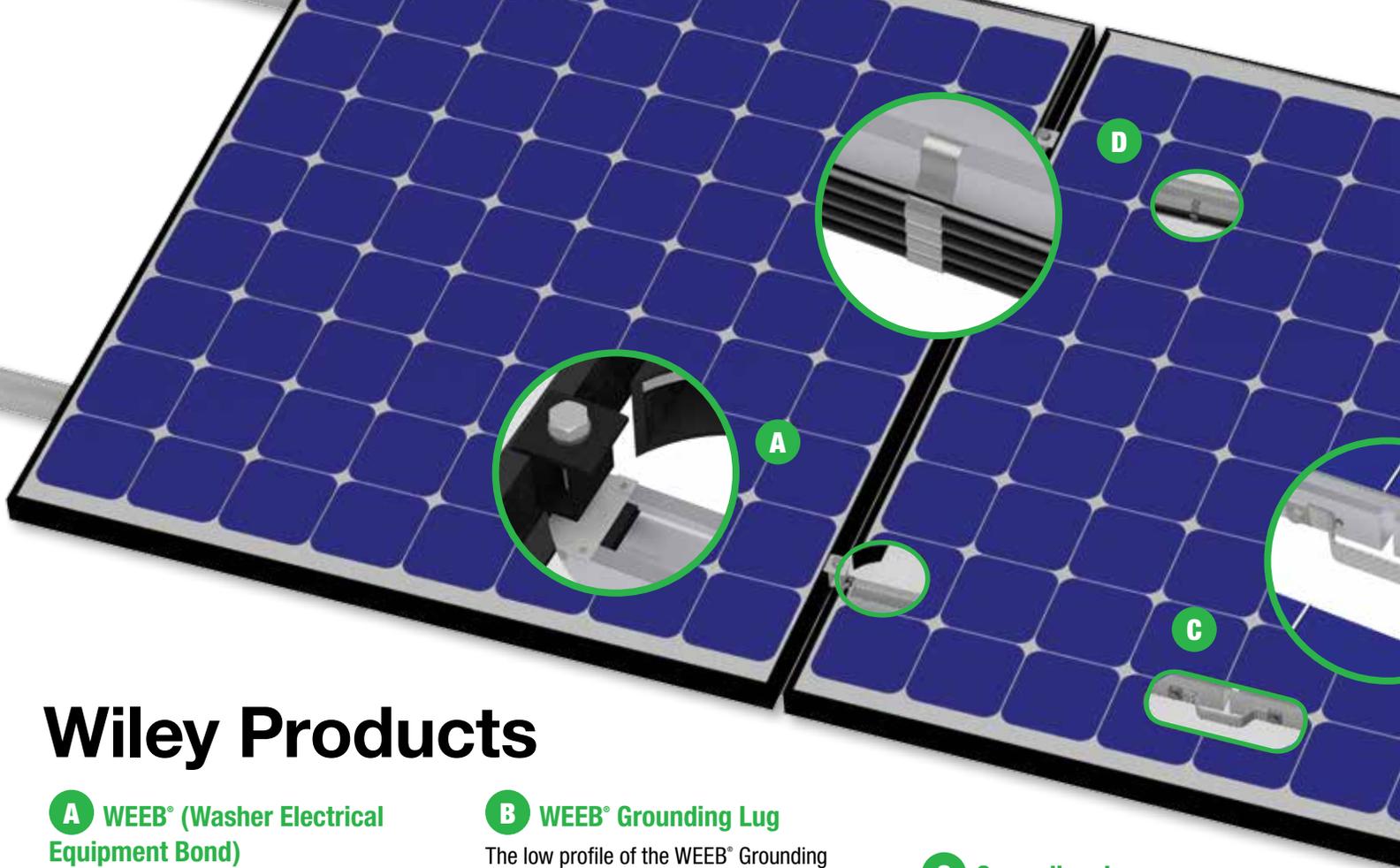
## Engineering Innovation At the Speed of Light

Whether you're installing miles of wire or acres of solar modules, it's the components no bigger than a few inches that can give the project long-term success and peace of mind. As PV technology has evolved, BURNDY continues to focus on providing solutions to the most challenging application requirements.

In 2011, BURNDY was thrilled to combine our history of engineering expertise, superior customer service and long-term reliability with the Wiley product line. The Wiley WEEB® (Washer, Electrical Equipment Bond):

- Significantly reduces the amount of labor and materials needed for installations (when compared with other grounding methods);
- Requires less copper conductor;
- Is engineered for outdoor use;
- Can be installed in all environments;
- Is ETL Listed to ANSI/UL 467;
- Is certified to CSA Standard C22.2 No. 41; and
- Is UL recognized to UL 2703.

**With Wiley's enhancements in bonding technology, the WEEB® has completely revolutionized the solar industry. It achieves all the benefits of bonding while also delivering BURNDY's industry-leading customer service.**



# Wiley Products

## **A** WEEB® (Washer Electrical Equipment Bond)

A revolution in the solar industry, WEEB® washers eliminate the need for older, more expensive grounding methods while also significantly reducing the amount of labor and materials used in installations.

Here's how it works: When the WEEB® is inserted between the module frame and mounting rail, the teeth of the WEEB® pierce the anodized coating. The result is excellent conductivity without oxidation—bonding the PV module frame with the metal racking structure. Essentially, the module and rail become one singular piece of metal, creating an electrical path to the ground.

Other features include:

- Corrosion-resistant 304 stainless-steel construction
- Reliability for use throughout the lifetime of the PV system
- ETL Listed to ANSI/UL 467
- UL Recognized to UL 2703
- CSA Certified to C22.2 No. 41
- Rated for outdoor use
- Multiuse
- Custom designs available upon request

## **B** WEEB® Grounding Lug

The low profile of the WEEB® Grounding Lug allows it to be installed in a variety of positions with one solid or stranded copper wire (14 AWG to 6 AWG), or two copper wires (12 AWG to 10 AWG). The result is a continuous ground on all solar applications.

Other features include:

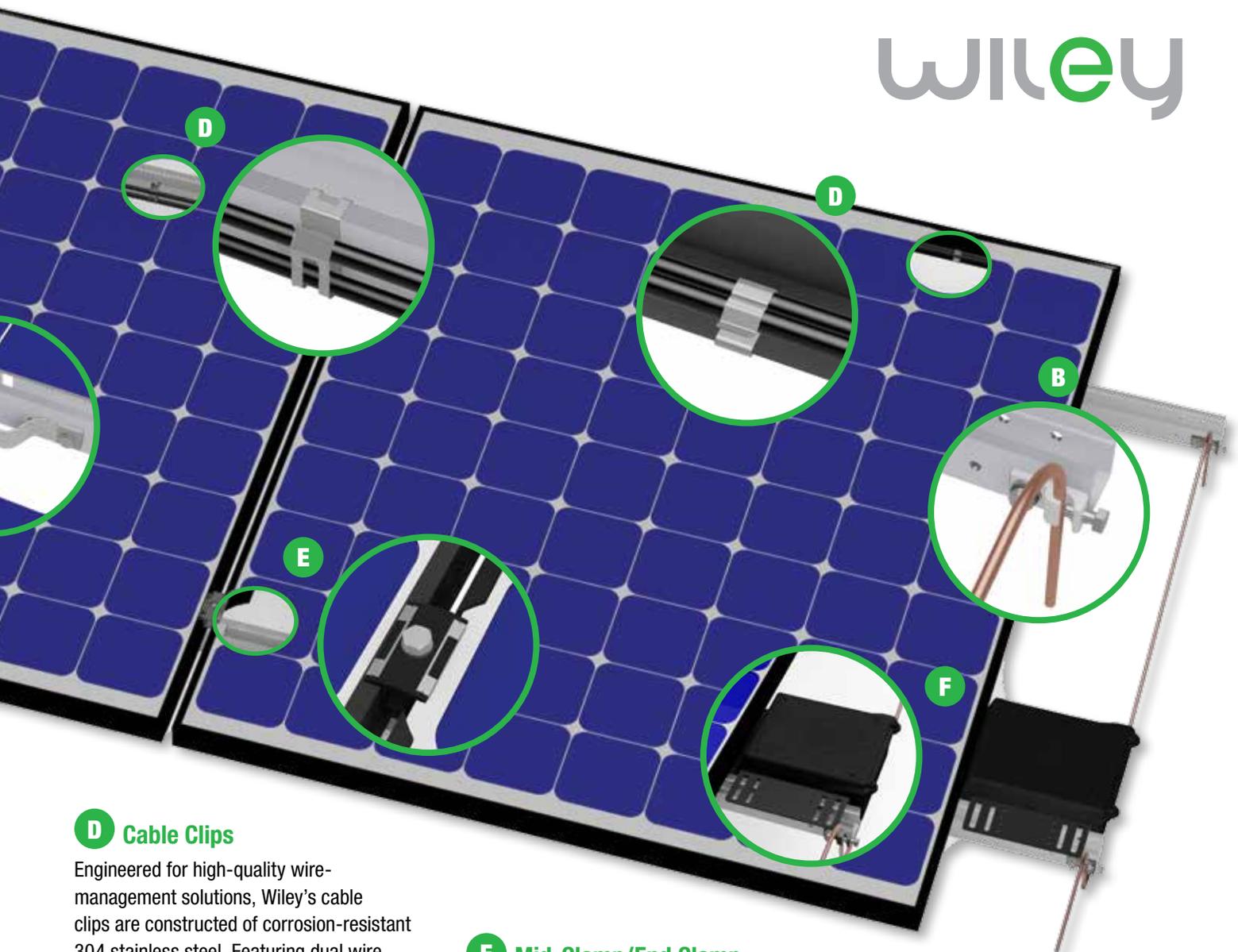
- Made of corrosion-resistant, tin-plated copper
- Design ensures a quick and easy installation
- Available:
  - With or without WEEB® washer technology
  - Assembled and unassembled
  - With or without installation hardware
- **No** surface preparation required on the rail or module
- ETL Listed to ANSI/UL 467
- CSA Certified to C22.2 No. 41
- Custom designs available upon request
- Reliability for use throughout the lifetime of the PV system

## **C** Grounding Jumper

The Wiley Bonding Jumper is used to create an electrical connection between two pieces of anodized aluminum, galvanized steel, or any electrically conductive metal. This maintains electrical continuity over long spans or air gaps between metal structures.

Other features include:

- ETL Listed to ANSI/UL 467
- CSA Certified to C22.2 No. 41
- Corrosion resistant
- Equivalent to 6AWG copper wire
- Available:
  - With or without WEEB® washer technology
  - Assembled and unassembled
  - With or without installation hardware
- In-stock standard lengths from 6" to 36" (custom lengths available upon request)
- Custom designs available upon request
- Reliability for use throughout the lifetime of the PV system



## D Cable Clips

Engineered for high-quality wire-management solutions, Wiley's cable clips are constructed of corrosion-resistant 304 stainless steel. Featuring dual wire compartments, the clips can be used in a wide variety of mounting configurations (including 90 degree) for module and rail applications.

Other features include:

- Accommodation for a broad range of cable combinations and sizes (e.g., USE-2, PV, AC module and micro inverter cables)
- No tools required for installation
- Multiuse capabilities
- Coined edges to prevent damage to cable insulation
- Reliability for use throughout the lifetime of the PV system

## E Mid-Clamp/End Clamp

Our universal mid-clamp and adjustable end clamp designs accommodate various module thicknesses. Plus, the Wiley Mid-Clamp uses proven WEEB® technology for integrated bonding as well as a quick and easy installation.

Other features include:

- Low profile design
- Increased inspectability
- Available in mill finish, or black or clear anodizing
- Custom designs and finishes available upon request
- ETL Listed to ANSI/UL 467
- UL Recognized to UL 2703
- Reliability for use throughout the lifetime of the PV system

## F ACE Conduit Entry Box

The ACE Conduit Entry Box makes quick and simple transitions from USE-2 or PV array wire to conduit protected THWN-2 wire. The box features a compact two-piece UV resistant, NEMA 3R rated enclosure that allows ample wiring space and is compatible with any conduit type.

Other features include:

- UL 1741 Listing
- Convenient side and bottom conduit drill-out for easy conduit routing
- Choice of pass-through or combiner box with bracket
- Compatible with any conduit type
- Preassembled for quick and easy installation

# Don't Waste Time Searching for Other Bonding Solutions



[www.we-llc.com](http://www.we-llc.com) | 1-800-346-4175

[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



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