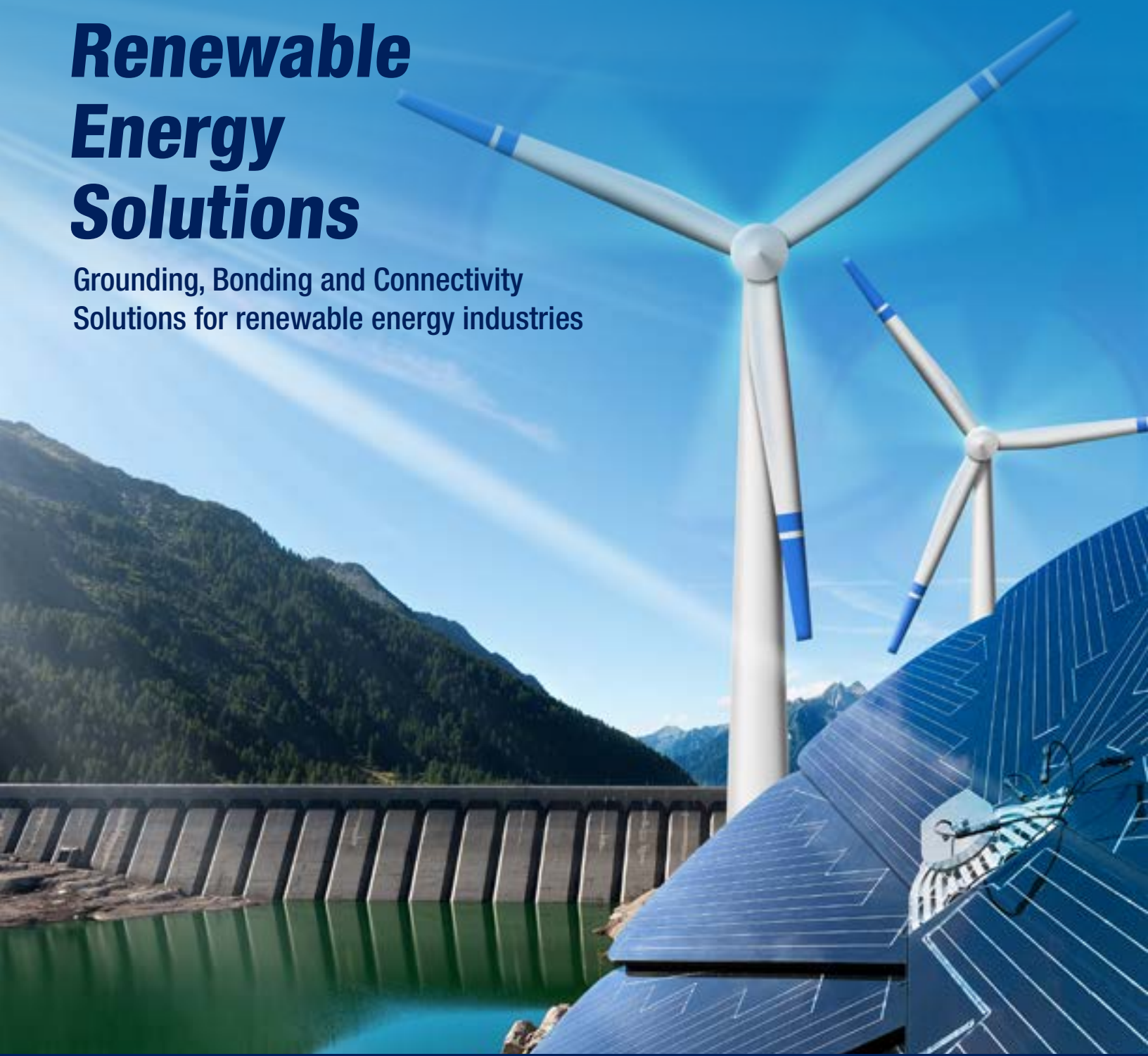


ECM

INDUSTRIES

Renewable Energy Solutions

Grounding, Bonding and Connectivity
Solutions for renewable energy industries



ILSCO
connections
matter

GB
Gardner
Bender

KING
INNOVATION®

BERGEN
INDUSTRIES, INC.

SPERRY
INSTRUMENTS

Dependable Solutions

Value driven, reliable solutions for every residential application.

Connectors

Our legacy dates back to 1894 with the founding of ILSCO.

Since then we have built a world-class organization, bringing innovation and connecting with customers.

The ECM Industries portfolio consists of leading brands Gardner Bender, ILSCO, Bergen Industries, King Innovation, Sperry Instruments and Calterm. These brands have been supplying electricians, do-it-yourselfers, contractors, and maintenance technicians with a wide variety of innovative products for over 125 years. The ECM brands are widely stocked and distributed through leading North American wholesalers, retailers, catalogs and e-commerce distributors.



For over 125 years, ILSCO® has built a solid reputation as a vertically integrated industry leader in the manufacture of power and grounding connectors and accessories. ILSCO is known for product innovation and exceptional customer service.



Gardner Bender® is a mainstay with electrical contractors and do-it-yourselfers alike, with more than 5000 products specific to wire and cable management, electrician's tools, and fastening.



King Innovation® is a recognized leader in the design and manufacture of innovative construction grade products for the irrigation, electrical, gas utility and landscape lighting markets.



Sperry Instruments® is the professional's choice for electrical test and measurement instruments offering a new generation of innovative, patented, and labor saving devices.



Bergen Industries® has been a recognized leader in the design and manufacturing of construction and maintenance lighting and electrical products for over 40 years.

Renewable Energy Solutions

ILSCO has become an industry leader as a component manufacturer to the renewable energy industry. We provide grounding, bonding and connectivity solutions, and can design custom products for specific installation needs. Many of our solar connectors carry UL 2703 Certification for grounding and bonding on solar racking systems. Viridium® plating sets us apart from competition, with the striking green color signifying ground points and aiding in visual inspection.

ILSCO is the leading manufacturer of solar nodes for combiner boxes up to 2000 volts for unfused photovoltaic source inputs.

PermaGround® Ground Clamp Connectors

PermaGround system serves to protect by offering a safe and reliable connection. Our versatile mechanical and compression connectors meet all grounding and bonding requirements of national and local electrical codes. Design versatility enables the installer freedom to customize grids for unique site requirements. PermaGround delivers safe installation and labor savings compared to exothermic.



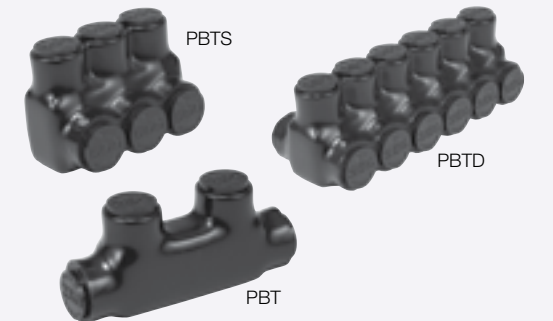
ClearTap® Insulated Multi-Tap Connectors

ClearTap insulated multi-tap connectors are now available in single and dual side entry as well as two wire in-line and offset configurations. ClearTap is UL Listed, CSA Certified, range-taking, and dual-rated for Class B & C copper and Class B aluminum conductors. Every conductor port is pre-filled with ILSCO De-Ox® oxide inhibitor for high reliability and resistance to corrosion. With a conductor range of 750kcmil – 14 AWG the connectors are fully insulated with a transparent cover, eliminating the need for tape and allowing for easy visual inspection to ensure a safe and reliable connection.



Nimbus® Insulated Multi-Tap Connectors

NIMBUS from ILSCO is the market leader of pre-insulated connectors, offering the broadest selection of products to meet any electrical need. The offering includes in-line, multi-tap, single, double, or multi-side entry, mountable, for motors, and high-density 2X for both code and flexible conductors.



SafetySub® Connector for Direct Burial and Hand Holes

ILSCO's SafetySub connectors are listed for direct burial in earth or concrete. No taping is required as they are pre-insulated and ready for installation. These connectors are specifically designed for watertight electrical requirements. They are dual rated for copper and aluminum conductor terminations.





CGBL Copper Lay-In Ground Lug

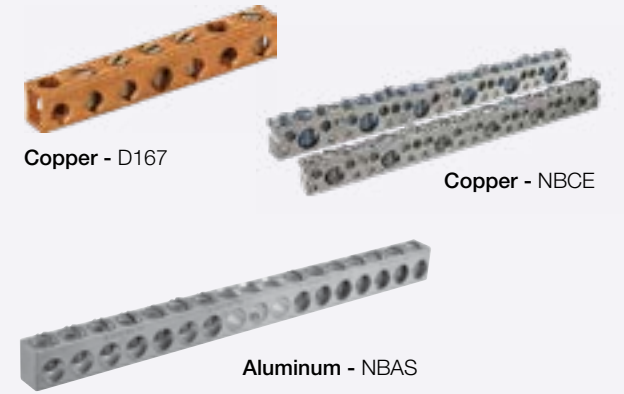
UL 2703
Certified

The CGBL copper lay-in series of lugs are ideal for through bolt bonding applications such as solar panel frames or any flat surface application. The CGBL is made from tin plated copper alloy and has a stainless steel clamping screw. The stainless steel clamping screw has ILSCO's exclusive green Viridium® plating which allows for quick identification of the bonding connection. The CGBL is also direct burial rated.

* Mounting hardware kits available

D167 / NBCE / NBAS Ground Bars

Our grounding bar offering includes copper, tin plated copper and dual rated aluminum options. These ground bars are available in pre-cut lengths with mounting holes or as full length bars for custom 508A applications.



GBL Dual Rated Lay-In Ground Lug

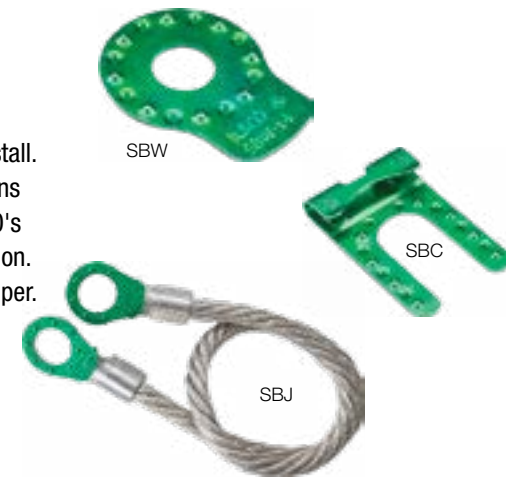
UL 467
Listed

The aluminum GBL is a good alternative when bonding above ground surfaces. Made of tin plated aluminum with a stainless steel clamping screw, the GBL reduces the potential for galvanic corrosion between the connection and the surface. The stainless steel screw has ILSCO's exclusive green Viridium® plating which allows for quick identification of the bonding connection. The aluminum GBL connector should be used in conjunction with an oxide inhibitor product in the wire way.

* Mounting hardware kits available

BPad® BIPAD

The ILSCO BPad surface bonding pads are an innovative method to bond two flat surfaces together. Reducing or eliminating the need for surface prep, the BPad is quick and easy to install. The BPad is constructed of stainless steel and incorporates conical teeth in opposing directions which pierce through surface oxides and paint when pressure is applied. The BPad has ILSCO's exclusive green Viridium® plating which allows for quick identification of the bonding connection. The BPad comes in three functional configurations, a washer, an edge clip and a bonding jumper. BPad are equivalent to a #6 AWG copper conductor.



SGB Dual Rated Lay-In Ground Lug

UL 2703
Certified

The SGB is the perfect solar panel and cable tray bonding clamp. The SGB is easily attached to any anodized aluminum, mill finished aluminum or galvanized steel flat edge from 0.0625" to 1/4" thick. The SGB accommodates #14 AWG to 250 kcmil conductors and are tin plated for corrosion resistance. The stainless steel screws have ILSCO's exclusive green Viridium® plating which allows for quick identification of the bonding connection.



SureCrimp®

ILSCO's SureCrimp copper and aluminum connectors are Listed with TaskMaster Tools, and over 80 competitive compression tools, across all major conductor classes. Listed for current carrying and grounding & bonding applications, ILSCO's system design guarantees SureCrimp with an industry-first ten year warranty.

Xtreme Ties

All Weather Xtreme Ties save the day in harsh environment applications. Specifically designed to perform during intense UV, low humidity and cold weather conditions from -40°F to 185°F. Available in lengths from 8" to 14".



IPC Insulation Piercing Connectors

ILSCO's KUP-L-TAP insulation piercing connectors save time and money with tin plated, hardened copper contact teeth that easily penetrate most types of conductor insulation. These connectors are dual rated for copper and aluminum conductors. They are molded of tough, resilient glass-filled nylon and contain silicone compound to act as a blocking agent to protect the connection from oxidation.

Professional Heavy Duty Tape

Gardner Bender Professional Heavy Duty tape is ideal for all of your mechanical and electrical applications. With greater adhesive strength than our Commercial tape, the Heavy Duty tape will be able to withstand the harsh application and weather conditions. Available in various thicknesses (7Mil & 8.5Mil)



Cominer Box

As a leading manufacturer in solar combiner components, ILSCO offers a wide variety of connectors for use in solar combiner boxes. Options are not limited to those shown.



Testing Equipment

Testing equipment can be put to good use ensuring that electrical equipment is properly installed and safe to operate. This offering of innovative test equipment is designed to make electrical work faster and safer. The PSI8031 verifies proper wiring and connections in 3-phase motor applications while the VD6509 can quickly identify the presence of AC voltage without requiring physical contact with live electrical conductors. Both designs are compact, lightweight, and durable for easy handling in outdoor environments.



Digital Multimeter & Locators

The Sperry Digital Multimeter has precise True RMS circuitry for accurate readings of non-linear waveforms. The large backlit LCD display also has bar graph indication. An impact resistant housing with protective rubber boot makes this meter perfect for use in any environment. Additionally, the King Locators are able to quickly and safely locate and identify underground valves and wires. Trace wire paths, determine depth, and identify potential wire breaks and nicks using either the analog or digital locator.



CERTIFICATIONS



ECM products are made from quality materials and meet rigorous manufacturing standards. Products meet all applicable UL and CSA standards and are compliant to the NEC code. Products are also compliant to Prop 65, REACH and RoHS directives.



Contact us:

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- Customer Care:** customer.service@ecmindustries.com
- Website:** www.ilsco.com



Pre-built and custom training classes available

Call 1-888-776-5047 for more information