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## **Amphenol Partners with Melni Technologies to Create Crimpless Solar Connector** *RadCrimp™ solar splice connector significantly improves crimp reliability in the field*

### **Technical Specifications**

- Uses Melni's dual spiral technology
- Used in new PV installations, field replacement and repairs, solar field retrofits
- No special crimp tools needed for field termination
- Eliminates the risk of cross mating different manufacturers connectors
- Certified to UL6703 for 1500V DC
- Current rating of 30A for 10AWG cable
- IP68 sealing protection

**Endicott, N.Y. May 2022** – Amphenol Industrial Sustainable Technologies, a global leader in interconnect systems, has partnered with Melni Technologies a global leader in electrical device design and manufacturing, to offer a “crimpless” butt splice solar connector that utilizes Melni's patented dual spiral technology to make secure, long-lasting connections. The RadCrimp™ [solar splice connector](#) was developed to significantly improve crimp reliability in the field while helping to reduce the amount of crimp related failures that are directly related to improper crimping, as well as incorrect mating issues between connector mismatched manufacturers.

### **Reducing Failure in the Field**

The RadCrimp is ideal for use in new solar PV installations, field retrofits and repairs, in solar installations and any other field terminations requiring a robust sealed power

connection. The simple and fast termination eliminates the need for crimping and specialized crimp tools and can be safely installed by field technicians.

Melni's dual spiral technology, allows for a very quick, easy and long-lasting connection with a pull strength unparalleled by its competitors. The innovative RadCrimp connector is assembled by stripping the PV wires/cables, inserting them into the connector and tightening the connector end caps to the specified torque. Since the RadCrimp is a single connector, there is no risk of mating incompatible connectors from different manufacturers and violating UL 6703 requirements. The secure "crimpless" termination eliminates the risk of crimp related assembly failures in the field.

Certified to UL6703 for 1500V DC specifications, this robust solar connector has a current rating of 20A for 12AWG wire and 30A for 10AWG wire. There plans to release an approved product for 6 and 8 AWG sizes later this year.

The RadCrimp offers simple and fast field termination and sealing without any special crimp tool. Low resistance wire termination and sealing can be completed in one action. It has an IP68 rating, making it suitable for all outdoor power application including solar, telecom, ESS, lighting, backup power generation, etc.

For more information, please visit <http://www.amphenol-industrial.com> or e-mail [jgriffiths@amphenol-aio.com](mailto:jgriffiths@amphenol-aio.com).

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**EDITOR'S NOTE:** [Amphenol Industrial Sustainable Technologies](#) (AIST) provides a full range of high reliability power connectors and interconnection systems for the sustainable energy market. AIST is a leading supplier of PV products and solutions with a primary focus on solar connectors and junction boxes.

Amphenol Industrial Sustainable Technologies is a division of Amphenol Corporation, Wallingford, CT. It is one of the largest manufacturers of interconnect products in the world, with year 2021 sales topping \$10.9 billion.