

PV CABLES • CONNECTORS • COMBINER BOXES

GENERAL CABLE PV WIRE

General Cable's SunGen line of fully-colored PV wire offers superior resistance to UV sunlight, while providing stable electrical properties for temperatures ranging from -40°C to 120°C. General Cable's full line of PV wire is made in accordance with both UL 4703 and CSA RPVU90 and meets the requirement for direct burial. www.generalcable.com



PV-CABLES INC

PV-Cables Inc., located in Northern California, specializes in custom PV and battery cables. The company also offers bulk components, grounding and cable management, tools, and more. Since their focus is only on these niche items, lead times are quick and pricing is very competitive, says the company. www.pv-cables.com



PHOENIX CONTACT

Phoenix Contact has introduced Sunclix, a DC plug and receptacle connector system for PV applications. The connectors can be assembled in the field or factory, greatly reducing the cost of installation, says the company.



The one-piece DC connectors use spring technology for quick and easy assembly and termination without the use of crimp tools. The connectors can only be disconnected with the use of a screwdriver. This eliminates the possibility of accidental release, while meeting NEC requirements. www.phoenixcontact.com

OUTBACK

The OutBack Power FLEXware PV Combiner Series DC combiner boxes accommodate the overcurrent protection requirement from 150VDC breakers to 600VDC fuse holders for photovoltaic systems with up to 8 or 12 DC



circuit inputs. The OutBack Power FLEXware series features rainproof, powder-coated UL-type 3R aluminum chassis, easy wiring configuration, and dual output lug terminals for up to 2/0 AWG conductors. www.outbackpower.com

to page 24

from page 22

MERSEN

Mersen's new HP10J is among the most efficient 1000VDC photovoltaic fuses on the market, says the company. The HP10J provides superior overcurrent protection at re-combiner box and inverter levels and covers applications ranging from 70A to 400A, 1000VDC. The enhanced fuse construction makes it ideal for continuous temperature and current cycling withstand, adding to system longevity, says the company.
www.mersen.com



NEXANS AMERCABLE

Nexans AmerCable's AmerSol is the first U.S. manufactured solar cable to achieve TÜV and UL certification. This single-conductor cable is designed for connection to module junction boxes; required cable



routing in balance of system (BOS) integration. It is available in 2000V UL /1000V TÜV and 1000V UL/600V TÜV constructions.
www.amercable.com

USA WIRE & CABLE

USA Wire & Cable Inc. is a leading U.S. source for utility and commercial scale solar cables and components.



The company supplies cables for all types of solar projects, including PV, CPV, tower, and parabolic trough. They are also the largest H4 solar connector supplier in North America, the company says.
www.usawire-cable.com

KRIS-TECH WIRE

Kris-Tech Wire is a family-owned manufacturer in Rome, NY. It has been operating since 1984 and manufactures solar cables including UL-approved RHW-2/USE-2 and PV wires in 600 and 2KV versions along with RPV and RPVU for the Canadian market. Available in 11 colors, all wire is single insulation sunlight resistant XLPE.
www.kristechwire.com



MIDNITE SOLAR

MidNite Solar has full-featured disconnecting combiners and shut off boxes. Several are field configurable for isolated or non-isolated type inverters, or one combiner can accommodate two inverters with one discon-

MidNite Solar Inc.



nect switch. This family of combiners, when paired with the company's Birdhouse system, meets the new NEC 690.12 code requirements for Rapid System Shut Down.
www.midnitesolar.com

SHOALS TECHNOLOGIES GROUP

Shoals is one of the leading manufacturers of BOS Components. With over 15+ GW of components installed, Shoals offers a diverse portfolio and turnkey solutions that optimize system layouts such as: Custom Cable Assemblies/Harnesses, Combiner Boxes/Re-Combiner Boxes/Disconnect Cabinets, Inverter Skids, Racking, In-Line Fuses, 208/480Vac Re-Combiner Boxes, AFCI Combiner Boxes, and more.
www.shoals.com



AMPHENOL LTW

Amphenol LTW offers a comprehensive and broad selection of interconnects for Micro Inverters and AC Solar Panels for the solar industry. ALTW's connectors and interconnects are designed for high performance and reliability, featuring durability and longevity for



achieving the highest efficiencies. They are user-friendly and cost-saving, requiring little installation time. The company's products include VTC trunk and drop cables, BMC connectors, cable joiners, and other accessories.

www.amphenolltw.com

FIBOX

Designed for extended exposure to the elements, the ARCA polycarbonate enclosures from Fibox are waterproof and said to provide superior corrosion and impact resistance.



Customized to customer needs with custom cutouts and colors, this NEMA 4X/6P, IP 66/67, CE & UL approved enclosure is ideal for solar power applications, says the company.

www.fiboxusa.com

EATON/CROUSE-HINDS

Solar combiner boxes and recombiner boxes by Eaton's Crouse-Hinds business are designed and built to minimize system costs by providing maximum flexibility. Solutions offer a range of one to 48 input circuits, with standard durable non-metallic (NEMA 4X) enclosures, engineered and manufactured to perform in the harshest environmental conditions. Solutions are available



with a wide range of custom options to meet a variety of customer applications. The products are also ETL Listed to UL 1741 standards.

www.cooperindustries.com

SAB NORTH AMERICA

SAB North America is the sales, distribution, and service center of SAB Bröckskes, a leading manufacturer of cables. The company has a wide range of products in stock for immediate delivery with short manufacturing lead times. For over 60 years, SAB has provided quality cables and accessories with impeccable, unmatched service, the company says.

www.sab-cable.com



ILSCO SOLAR

ILSCO SOLAR lay-in connectors for grounding feature stainless steel hardware. Some offer a unique, patent-pending clamp design that eliminates the need to drill holes in the frame or add mounting hardware. The SGB-5 connector features an elevated conductor wire way to accommodate various rack and panel designs. ILSCO SOLAR connectors are UL-Listed for grounding and bonding and are CSA Certified.

www.ilSCO.com



AMERICAN WIRE GROUP

American Wire Group supplies a number of products directly to the solar power industry, including UL approved LV-DC 600V-2kV aluminum and copper cables, trac-



tor motor, fiber, and grounding cables, and UL MV-90 or MV-105 for the MV-AC system. American Wire Group's Tower-guard CCA 2kV inverter cable UL RHH-RHW-2 provides a 30

percent cost savings from copper, the company says. www.buyawg.com