



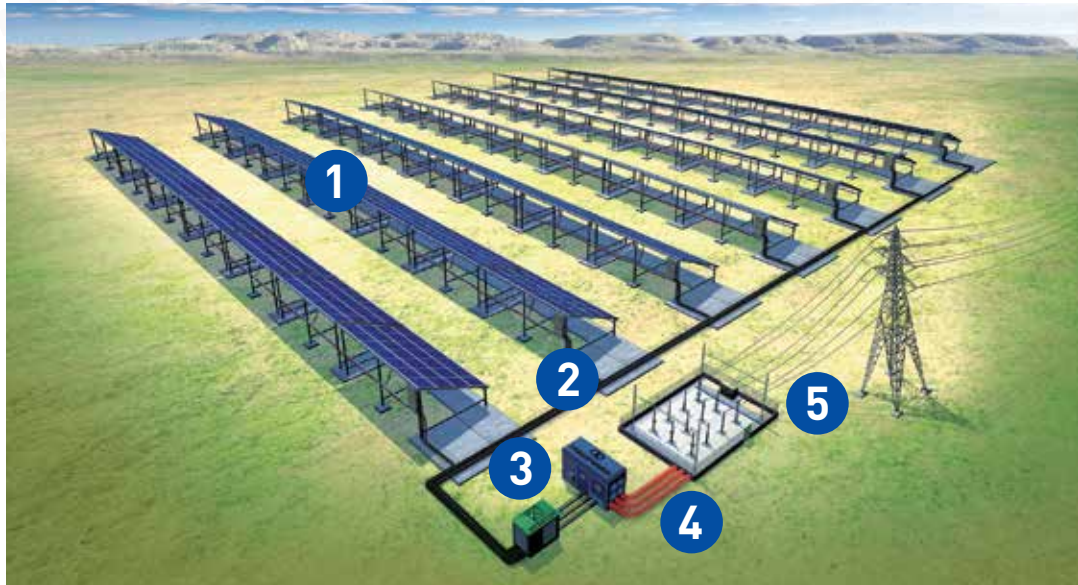
Renewable Power

SOLAR ENERGY PRODUCTS & SOLUTIONS



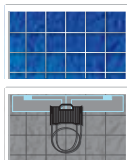
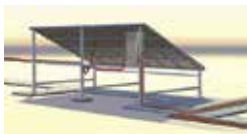


Harnessing the Renewable Power of the Sun

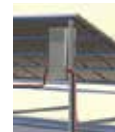


Cable Applications for Solar Power Generation

1 Panel



2 Panel to the Combiner Box



3



Combiner Box to the Inverter to the Transformer



4



Transformer to the Substation



5



Substation to the Grid



Solar Power Application & Product Cross-Reference

| VOLTAGE LEVEL | APPLICATION LOCATION NUMBER | APPLICATION | PRODUCT LINE | TYPICAL SIZE RANGE | SPECIFICATION |
|-----------------------------------|--|--|---|---|--|
| Low-Voltage | 1 | Panel Wire | SunGen® 600 V or 2000 V, UL 4703 Type PV | 14 AWG to 6 AWG | CU, flex strand, dual layer |
| | | | SunGen® 600 V, UL 4703 Type PV | 14 AWG to 6 AWG | CU, Class C strand, XLPE |
| | | | SunGen® 2000 V, UL 4703 Type PV or 2000 V c(UL) Type RPVU | 14 AWG to 6 AWG | CU, Class C strand, XLPE |
| | 2 | Panel to the Combiner Box (Whips, Harnesses and Jumpers) | SunGen® 600 V, UL 4703 Type PV | 14 AWG to 6 AWG | CU, Class B or C strand, XLPE |
| | | | SunGen® 2000 V, UL 4703 Type PV or 2000 V c(UL) Type RPVU | 14 AWG to 6 AWG | CU, Class B or C strand, XLPE |
| | | | Exzhellent® Solar 1500 V, TÜV 2 Pfg 1169/08 Photovoltaic | 4 mm ² to 10 mm ² | Tinned CU, flex strand, dual layer, LSZH |
| 3 | Combiner Box to the Inverter to the Transformer (DC Feeders) | SunGen® 2000 V, UL 4703 Type PV or 2000 V c(UL) Type RPVU | 6 AWG to 1000 kcmil | AL, Class B strand, XLPE | |
| Medium-Voltage | 4 | Transformer to the Substation (AC Feeders) | Uniblend® 5 kV to 35 kV, UL Type MV-105 | 2 AWG to 1000 kcmil | AL or CU, EPR, copper tape shield, PVC jacket |
| | | | EmPowr® Link CL™ or CL™ Advantage 5 kV to 35 kV, UL Type MV-105 | 2 AWG to 1250 kcmil | AL, TRXLPE insulation, round wires or flat strap concentric neutral, XLPE jacket |
| High-Voltage & Extra-High-Voltage | 5 | Substation to the Grid (Transmission Cable and Conductors) | Silec® High- and Extra-High-Voltage Underground Transmission Cables, 69 kV to 500 kV | Up to 5,000 kcmil | AL or CU, solid-dielectric cable systems |
| | | | TransPowr® ACSR and ACSS Bare Overhead Aluminum Conductor, up to 765 kV. E3X™ Coating Technology available upon request | Up to 2,515 kcmil | ACSR regular strength steel core is /GA2 with /GA3, /GA4 and /GA5 options ACSS regular strength steel core is /MA2 with /MA3, /MA4 and /MA5 options |
| Miscellaneous | Application-Specific | Substation and Application-Specific Cables | Application-Specific Tray and Instrumentation Cables | 22 AWG to 500 kcmil | 300 V and 600 V, UL Type TC and ITC |
| | | | Double Jacket, Loose Tube, OSP NextGen® Fiber Optic Cable | 12-48 Fiber Singlemode | G-652 GR-20 |

General Cable is a global leader in the development, design, manufacture and distribution of wire and cable for the generation, transmission and distribution of electricity from emerging solar energy technology, with manufacturing facilities in its core markets and worldwide sales representation and distribution.

With a broad range of solar generation, transmission and distribution wire and cables that link solar power sources to the grid and beyond, General Cable is your renewable energy cable partner. For more than three decades, General Cable has developed the most reliable and technologically advanced cable solutions through experience, innovation and an extensive R&D program, allowing us to respond to the world's changing energy needs. We offer the power and stability of a longstanding global company with local support to service solar energy partners throughout the world.



A commitment to achieving industry-leading standards and responding proactively to environmental global issues.

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