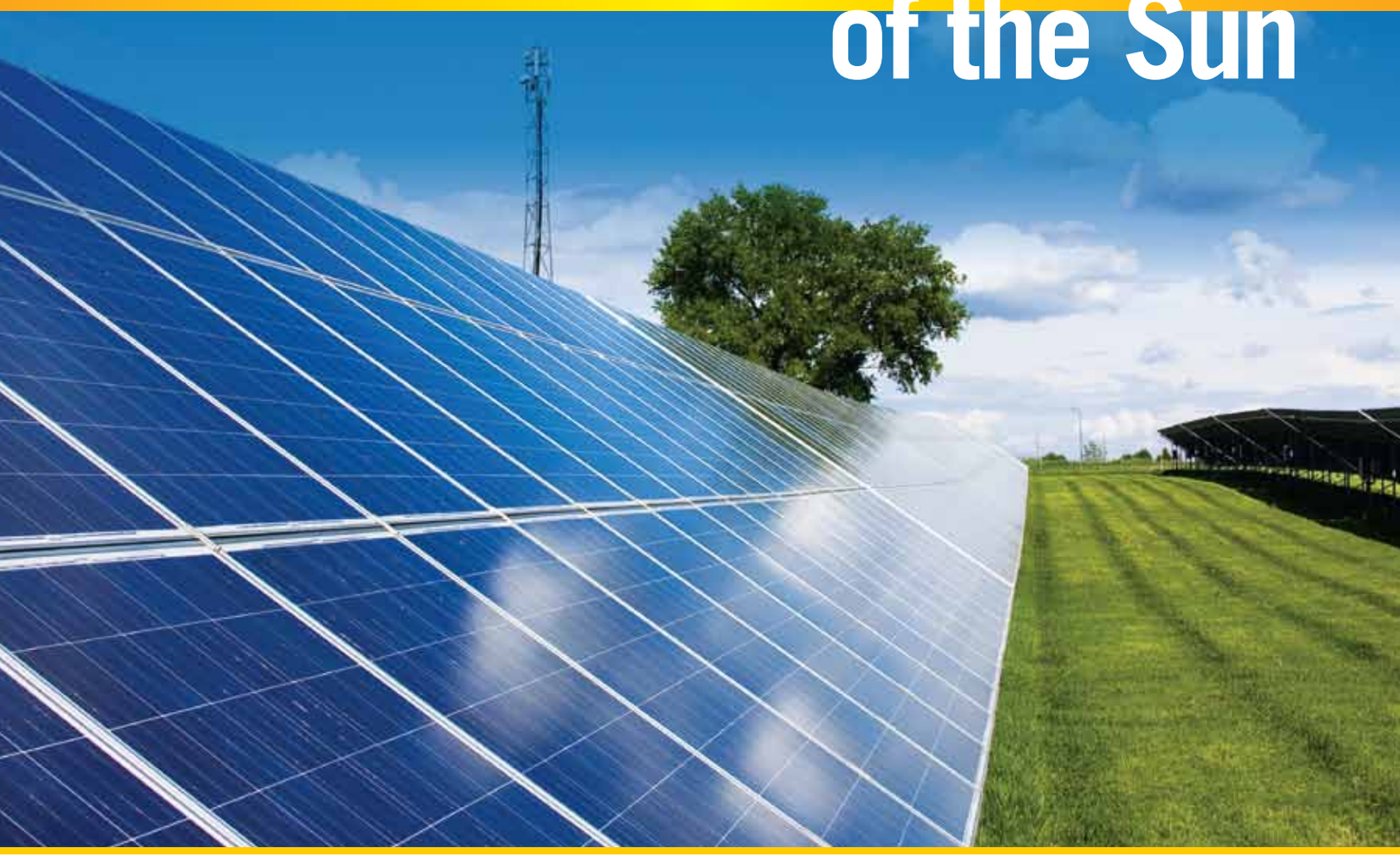
Harnessing the Renewable Power of the Sun



Photovoltaic Cables • Fiber Optic Cables

Electronic Cables • Control Cables

Power Cables • Application-Specific Cables

Transmission & Distribution Cables • Cable Assemblies

General Cable

Harnessing the Renewable Power of the *Sun*

With more than 11,000 associates operating in 25 countries and 47 manufacturing facilities, General Cable is a global leader in the development, manufacture and distribution of wire and cable for the generation, transmission and distribution of electricity from emerging solar energy technology.

With a broad range of solar generation, transmission and distribution 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.

From the Sun to the Outlet

From the back of the solar panel to the inverter where DC electricity is converted into clean AC power, from the inverter to the transformer where electricity is transferred to the substation, and from the substation to the power grid, General Cable provides a broad range of renewable energy products for the solar market. Besides developing next-generation solar products, General Cable has the offering to comprise a complete cable solution for solar power applications. From low-voltage DC and AC connections and medium-voltage distribution to high-voltage overhead and underground transmission lines, General Cable's range of products is engineered to withstand the demands of *entire* solar power generation, transmission and distribution systems — from the sun to the outlet.

The SunGen® Difference

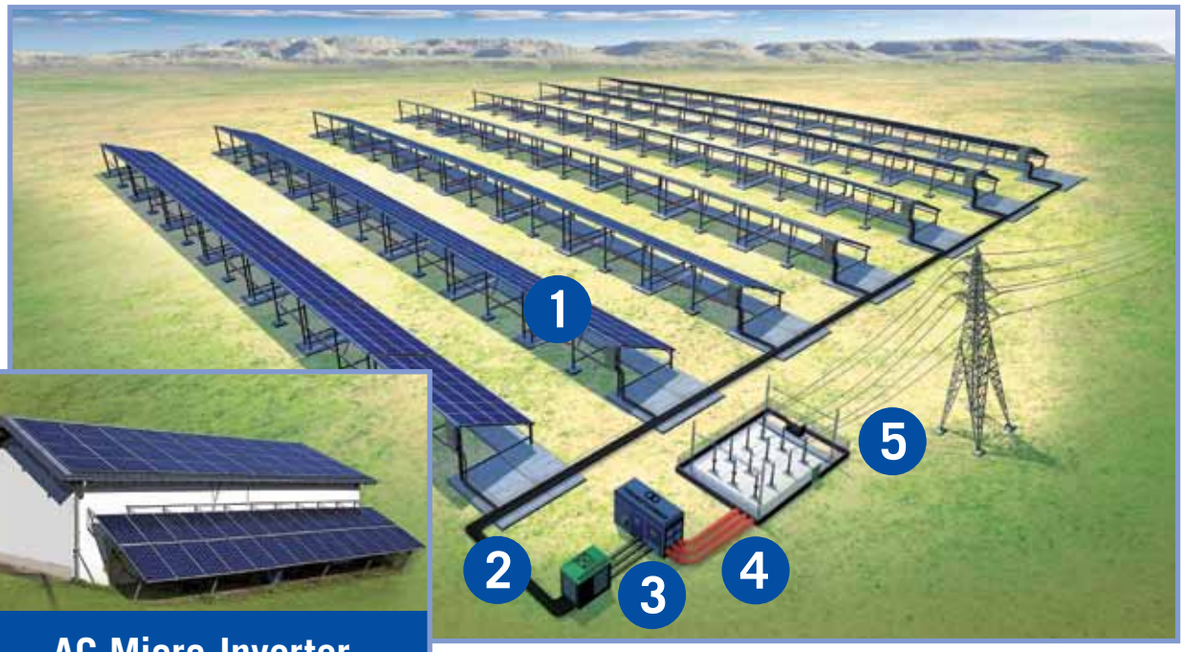
As a company committed to environmental stewardship and renewable energy, General Cable has specifically designed its SunGen suite of products to effectively and efficiently connect solar panels and concentrated solar power technologies while being able to withstand the harsh operating environments of solar power applications.

- Resistant to UV/sunlight, ozone and water absorption
- Stable electrical properties over a broad temperature range (-40°C to 120°C)
- Excellent flexibility and performance in low-temperature environments
- Highly resistant to deformation, even in prolonged exposure at high temperatures
- Mechanically rugged construction resists cutting, tearing and abrasions
- TÜV certified, halogen-free, fire-retardant and low-corrosive gas emission provide added degree of safety
- Single- and multi-conductor cable constructions

General Cable

SunGen™

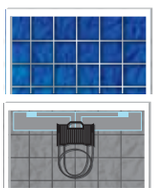
General Cable's Complete Solar Energy Solution

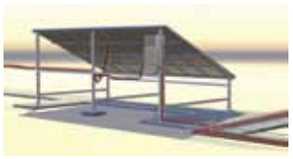


AC Micro-Inverter

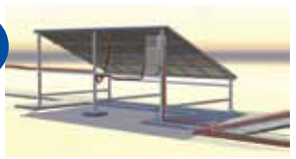
Cable Applications for Solar Power Generation

1 Panel to the Combiner Box





2 Combiner Box to the Inverter



3 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 Power Cables		AC Micro-Inverter	SunGen® MI or MI-LS 600 V, UL Type TC-ER	14 AWG to 10 AWG 2 to 5 conductor	CU only - Extra Flex, Type TC
	1	Panel to the Combiner Box	SunGen® 600 V or 2000 V, UL 4703 Type PV Wire	14 AWG to 6 AWG	CU only - Flex or Class B Strand, Single or Dual Layer
			SunGen® Global 2000 V, UL 4703 Type PV Wire and 1000V TÜV 2 Pfg 1169	1.5 mm – 6 mm	CU only - Flex Strand, Dual Insulated - LSZH
			ExZhellent® Solar ZZ-F (AS) 1,8 kV DC - 0,6/1 kV AC TÜV 2 Pfg 1169	1.5 mm – 6 mm	CU only - Flex Strand, Dual Insulated - LSZH
			CSA RWU90 1000 V and RW90 600 V (Canada Only)	14 AWG to 6 AWG	CU only - Class B Strand, XLPE
	2	Combiner Box to the Inverter	SunGen® 600 V or 2000 V, UL 4703 Type PV Wire	6 AWG to 1000 kcmil	CU or AL - Class B Strand, XLPE
			RHH/RHW-2 600 V or 2000 V or USE-2 600 V	6 AWG to 1000 kcmil	CU or AL - Class B Strand, XLPE
			ExZhellent® Solar ZZ-F (AS) 1,8 kV DC - 0,6/1 kV AC TÜV 2 Pfg 1169	6 mm – 240 mm	CU only - Flex Strand, Dual Insulated - LSZH
			CSA RWU90 1000 V and RW90 600 V (Canada Only)	6 AWG to 1000 kcmil	CU or AL - Class B Strand, XLPE
	3	Inverter to the Transformer	SunGen® 600 V or 2000 V, UL 4703 Type PV Wire	8 AWG to 1000 kcmil	CU or AL - Class B Strand, XLPE
			CSA RWU90 1000 V and RW90 600 V (Canada Only)	8 AWG to 1000 kcmil	CU or AL - Class B Strand, XLPE
			Duralox® 600 V or 2000 V, UL Type MC	8 AWG to 1000 kcmil	CU or AL - Interlocked Armored
			CSA TECK90 600 V or 1000 V (Canada Only)	8 AWG to 1000 kcmil	CU or AL - Canadian Standard Interlocked Armored
Medium-Voltage Power Cables	4	Transformer to the Substation	Duralox® 5 kV to 35 kV, UL Type MV-105 or UL Type MC	2 AWG to 1000 kcmil	Cu or AL - Interlocked Armored
			HVTECK 5 kV to 28 kV, CSA HVTECK (Canada Only)	2 AWG to 1000 kcmil	CU or AL - Canadian Standard Interlocked Armored
			CCW® 5 kV to 35 kV, UL Type MV-105 or Type MC-HL	2 AWG to 1000 kcmil	CU or AL - Continuously Corrugated Welded Armor for Hazardous Locations
			Uniblend® 5 kV to 35 kV, UL MV-105	2 AWG to 1250 kcmil	CU or AL, EPR or TRXLPE, Copper Tape Shield, CPE or PVC Jacket, MV-105
			UniShield® 5 kV to 35 kV, UL MV-105	2 AWG to 1250 kcmil	CU, EPR, Corrugated Wire Shield, CPE Jacket, MV-105
			EmPowr® Link 5 kV to 46 kV, URD	2 AWG to 1000 kcmil	CU or AL, TRXLPE or EPR Insulation, Concentric Neutrals, LLDPE or XLPE Jacket, Utility Distribution Cable
High-Voltage & Extra-High Voltage Cable & Conductors	5	Substation to Grid (Transmission)	Silec® High- and Extra-High-Voltage Cables	Underground Transmission Cable	69 kV to 500 kV
			ACSR and ACSS Options: T-2® and TW	Bare Overhead Aluminum Conductor	Up to 765 kV
Miscellaneous	Application-Specific	Substation Power, Control and Instrumentation Cables	VNTC®, CVTC®, FREP®, CHTC® and GenFree® 600 V, Power	8 AWG to 2 AWG 3 and 4 conductor	CU or AL - Type TC, Shielded and Non-Shielded
			VNTC®, CVTC®, FREP®, CHTC® and GenFree® 600 V, Control and Instrumentation	18 AWG to 10 AWG 2 to 50 conductor	CU only - Type TC, Shielded and Non-Shielded
		Fiber Optic Cables	NextGen® Fiber Optics	Singlemode or Multimode Fiber	Tight Buffer or Loose Tube Designs

General Cable

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

Global Reach

General Cable serves customers through a global network of 47 manufacturing facilities in 25 countries and sales representatives and distribution centers worldwide. The Company is solely dedicated to the production of high-quality energy, industrial, specialty and communications wire and cable products. In addition to its breadth of product line and strong brand recognition, the Company offers competitive strengths in such areas as technology, manufacturing, distribution and logistics, and sales and customer service. This combination enables General Cable to better serve its customers as they expand into new geographic markets.

General Cable

4 Tesseneer Drive
Highland Heights, KY 41076-9753 USA
Tel: 888 593 3355
+1 859 572 8000
Fax: 800 335 1270
+1 859 572 8058
E-mail: info@generalcable.com
Website: www.generalcable.com

590 Barmac Drive
North York, Ontario M9L 2X8 Canada
Tel: 800 561 0649
+1 416 756 7225
Fax: 800 565 2529
+1 416 756 7458
E-mail: infoca@generalcable.com

Form No. INS-0107-0411
38874