



Harnessing the Renewable Power of the Sun

Solar Photovoltaic Wire: Why Choose SunGen®?

The SunGen® Difference

As a company committed to environmental stewardship and renewable energy, General Cable has specifically designed its UL 4703 SunGen suite of photovoltaic (PV) 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
- Rated for direct burial
- Stable electrical properties over a broad temperature range (-40°C to 90°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
- CSA RPV90 and RPVU90 Listed
- Single and multi-conductor cable constructions
- 18 AWG – 1000 kcmil stranded copper and 6 AWG – 1000 kcmil aluminum conductors

When it comes to the wire and cable for today's solar energy projects with PV module interconnections within the photovoltaic array, General Cable's SunGen UL Listed 4703 PV wire offers far more superior sunlight resistance and low-temperature flexibility for maximum performance and reliability for long-term outdoor exposure to the sun.

SunGen — the obvious choice for solar photovoltaic applications.

PV Wire Applications/Compliances	SunGen PV Wire - UL Type PV/RHH/RHW-2
Voltage: 600, 1000 and 2000 Volts	
Direct Buried: 600, 1000 and 2000 Volts	
Conduit/Duct/Raceway	
NEC Article 690 – PV Systems	
UL 4703 PV Wire	
Flame Test Requirements: FT1 & VW-1	
Maximum Operating Temperature: 90°C Wet or Dry	
Cold Bend: -40°C	
Weatherometer Sunlight Resistance: 720 Hour	

- DEFORMATION-RESISTANT
- DIRECT BURIAL
- FLEXIBLE
- MOISTURE-RESISTANT
- COLD IMPACT
- OIL-RESISTANT
- UV/SUNLIGHT-RESISTANT
- MECHANICALLY RUGGED
- LOW SMOKE EMISSIONS



The SunGen® Difference

Add true **COLORS** to your solar installations with General Cable's UL 4703 SunGen® Brand of photovoltaic (PV) copper products — now in UV/sunlight-resistant solid colors, available in-stock or by special order and all manufactured with the latest technical knowledge and to meet all relevant UL requirements.

When you specify General Cable's SunGen® PV Wire, we deliver a product engineered with excellent flexibility and toughness to withstand the harsh operating environment of solar power applications and provide high levels of performance over the entire lifetime of the installation.

New SunGen UL 4703 PV Wire in true **COLORS** is the perfect choice for critical PV source, output and inverter circuit identification as required by the NEC. Selecting a unique color further ensures a standard-compliant system.

Ask your General Cable representative today about our network of regional distribution centers across the country ready to service your order!

CATALOG NUMBER	AWG SIZE	COLOR	PUT-UP
SPEC 5800 – 600 V SunGen® UL 4703 PV Wire – EPR/XL-CPE, 19 Strand Tinned Copper			
12211.711400	14 AWG	Black	Long Length
12211.711200	12 AWG	Black	Long Length
12211.711100	10 AWG	Black	Long Length
SPEC 5810 – 2000 V SunGen® UL 4703 PV Wire – EPR/XL-CPE, 19 Strand Tinned Copper			
12221.711400	14 AWG	Black	Long Length
12221.711200	12 AWG	Black	Long Length
12221.711100	10 AWG	Black	Long Length
12221.710800	8 AWG	Black	Long Length
SPEC 5841 – 600 V SunGen® UL 4703 PV Wire or 2000 V RHW-2 – XLPE, 19 Strand Tinned Copper			
5841.711200	12 AWG	Black	Long Length
5841.711209	12 AWG	White	Long Length
5841.711202	12 AWG	Red	Long Length
5841.711100	10 AWG	Black	Long Length
5841.711109	10 AWG	White	Long Length
439500	10 AWG	Red	Long Length
425650	8 AWG	Black	Long Length
5841.710809	8 AWG	White	Long Length
5841.710802	8 AWG	Red	Long Length
SPEC 5841 – 600 V SunGen® UL 4703 PV Wire or 2000 V RHW-2 – XLPE, 19 Strand Bare Copper			
5841.711200B	12 AWG	Black	Long Length
5841.711209B	12 AWG	White	Long Length
5841.710202B	12 AWG	Red	Long Length
425440	10 AWG	Black	Long Length
439490	10 AWG	White	Long Length
5841.711002B	10 AWG	Red	Long Length
5841.710800B	8 AWG	Black	Long Length
5841.710809B	8 AWG	White	Long Length
5841.710802B	8 AWG	Red	Long Length
SPEC 5845 – 600 V SunGen® UL 4703 PV Wire or 1 kV CSA RPVU90 – XLPE, 7 Strand Bare Copper			
12431.711100	10 AWG	Black	Long Length
12431.711109	10 AWG	White	Long Length
12431.711102	10 AWG	Red	Long Length
SPEC 5851 – 2000 V SunGen® UL 4703 PV Wire or RHW-2 – XLPE, 19 Strand Tinned Copper			
439630	12 AWG	Black	Long Length
5851.711209	12 AWG	White	Long Length
5851.711202	12 AWG	Red	Long Length
426450	10 AWG	Black	Long Length
5851.711109	10 AWG	White	Long Length
5851.711102	10 AWG	Red	Long Length
426650	8 AWG	Black	Long Length
5851.710809	8 AWG	White	Long Length
5851.710802	8 AWG	Red	Long Length
SPEC 5851 – 2000 V SunGen® UL 4703 PV Wire or RHW-2 – XLPE, 19 Strand Bare Copper			
5851.711200B	12 AWG	Black	Long Length
5851.711209B	12 AWG	White	Long Length
5851.711202B	12 AWG	Red	Long Length
426400	10 AWG	Black	Long Length
439410	10 AWG	White	Long Length
439400	10 AWG	Red	Long Length
426300	8 AWG	Black	Long Length
439430	8 AWG	White	Long Length
439420	8 AWG	Red	Long Length
SPEC 5855 – 2000 V SunGen® UL 4703 PV Wire or 1 kV CSA RPVU90 – XLPE, 7 Strand Bare Copper			
12441.711400	14 AWG	Black	Long Length
12441.711409	14 AWG	White	Long Length
12441.711200	12 AWG	Black	Long Length
12441.711209	12 AWG	White	Long Length
12441.711100	10 AWG	Black	Long Length
12441.711109	10 AWG	White	Long Length

Other color and put-up options are available upon request



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