



2000 V, Copper and Aluminum Photovoltaic Wire, UL 4703 & c(UL) RPVU90

Applications:

- Interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 690.31(A) and other applicable parts of the National Electrical Code® (NEC), NFPA 70 or the Canadian Electric Code (CEC)

Product Construction:

Conductor:

- 12 AWG thru 1000 kcmil bare or tinned copper Class B or C stranding
- 6 AWG thru 1000 kcmil aluminum Class B stranding

Insulation:

- Cross-linked Polyethylene (XLPE)
- Available in dual layer EPR/XL-CPE and dual or single layer LSZH designs

Product Features:

- Meets the requirements of:
 - 1000 V or 2000 V UL Type PV per UL 4703
 - UL 44 Type RHH or RHW-2
 - UL 854 Type USE-2 (copper only)
 - 1000 V or 2000 V c(UL) Type RPVU90 per CSA 22.2 No. 271 and No. 38
- Rated 90°C for wet or dry locations
- Rated for direct burial when installed in a photovoltaic application
- Excellent resistance to crush and compression cuts
- Flame test compliances:
 - UL FT1 for all sizes (copper only)
 - UL VW-1 for all aluminum sizes; sizes 1/0 AWG and larger for copper
 - CSA/FT4 for sizes 1/0 AWG and larger (copper only)
 - For sizes 1/0 AWG and larger: IEEE 383, IEEE 1202/CSA FT4 (copper only)
- Stable electrical properties over a broad temperature range
- Meets cold bend and cold impact tests at -40°C
- UV- and sunlight-resistant
- Resistant to most oils and chemicals
- Colors available upon request



General Cable's SunGen® line of photovoltaic wire is specifically designed to meet the demanding environmental requirements and installation challenges associated with solar projects. General Cable PV wire offers long-term reliability, high performance and durability. Our PV cables can be installed in a wide range of solar applications: from the panel to the combiner box, from the combiner box to the inverter, and from the inverter to the transformer.



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 5810 – 2000 V SunGen® UL 4703 PV Wire – EPR/XL-CPE, 19 Strand Tinned Copper			
12221.7114	14 AWG	Black	Long Length
12221.7112	12 AWG	Black	Long Length
12221.7111	10 AWG	Black	Long Length
12221.7108	8 AWG	Black	Long Length

SPEC 5851 – 2000 V SunGen® UL 4703 PV Wire or RHW-2 - XLPE, 19 Strand Bare Copper, VW-1 <i>(Tinned copper and 7 strand configurations available upon request)</i>			
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 5852 – 2000 V SunGen® UL 4703 PV Wire or RHW-2 - XLPE, 19 Strand Bare Copper, Non VW-1 <i>(Tinned copper and 7 strand configurations available upon request)</i>			
5852.711200B	12 AWG	Black	Long Length
5852.711209B	12 AWG	White	Long Length
5852.711202B	12 AWG	Red	Long Length
5852.711100B	10 AWG	Black	Long Length
5852.711109B	10 AWG	White	Long Length
5852.711102B	10 AWG	Red	Long Length
5852.710800B	8 AWG	Black	Long Length
5852.710809B	8 AWG	White	Long Length
5852.710802B	8 AWG	Red	Long Length

SPEC 5841A – 2000 V SunGen® UL 4703 PV Wire or RHH/RHW-2 - XLPE, Aluminum			
Contact your Inside Sales Representative for assistance.	1 AWG	Black, White, Red	Long Length
	1/0 AWG	Black, White, Red	Long Length
	2/0 AWG	Black, White, Red	Long Length
	3/0 AWG	Black, White, Red	Long Length
	4/0 AWG	Black, White, Red	Long Length
	250 AWG	Black, White, Red	Long Length
	300 AWG	Black, White, Red	Long Length
	350 AWG	Black, White, Red	Long Length
	400 AWG	Black, White, Red	Long Length
	500 AWG	Black, White, Red	Long Length
	600 AWG	Black, White, Red	Long Length

Other color and put-up options are available upon request

