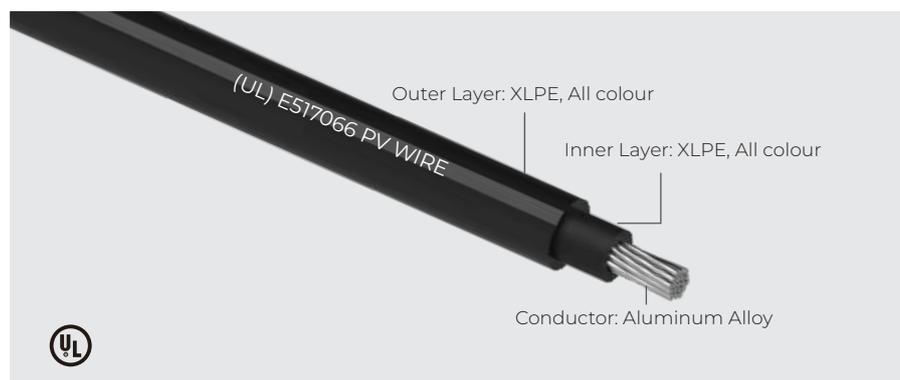


# SUNKEAN

## 2kV PV Wire Aluminum

### Dual Layer



#### Advantage

-  Direct burial
-  UV resistant
-  VW-1
-  More economical

### Characteristics

- **Rated Voltage**  
1000/2000V
- **Temperature Rating**  
90°C, 105°C
- **According to**  
UL4703
- **Certificate Number**  
E517066

### Cable Structure

- **Conductor:** Stranded AA-8000 Series Aluminum Alloy
- **Inner Layer:** XLPE All colour
- **Outer Layer:** XLPE All colour

### Test Item

- **Cold bend and cold impact** acc.to UL2556
- **Deformation** acc. to UL2556
- **Flame and smoke** acc. to UL2556
- **UV-resistant** acc. to UL2556

### Application

Solar photovoltaic cable for use in interconnection wiring of grounded and ungrounded photovoltaic power systems, suitable for ac and dc systems, in dry and wet locations. For exposed wiring where subjected to the weather, marked sunlight resistant "SUN RES" in all colours. For use in raceways, except that use in cable trays is permitted only for the interconnection of solar photovoltaic systems, in wet, damp, or dry locations, direct-burial.

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Inner Layer Thickness (mm)	Outer Layer Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω/km, 20°C)
8	3.7	1.39	0.76	8.20±0.30	73.0	3.52
6	4.3	1.39	1.14	9.60±0.30	107.5	2.21
4	5.5	1.39	1.14	10.80±0.30	141.2	1.390
3	6.1	1.39	1.14	11.50±0.30	162.5	1.100
2	6.9	1.39	1.14	12.30±0.30	189.7	0.875
1	7.7	1.65	1.52	14.30±0.30	263.4	0.693
1/0	8.6	1.65	1.52	15.20±0.50	306.4	0.550
2/0	9.6	1.65	1.52	16.30±0.50	357.9	0.436
3/0	10.7	1.65	1.52	17.30±0.50	414.3	0.346
4/0	12.1	1.65	1.52	18.80±0.50	493.3	0.274

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Cross Section (kcmil)	Conductor Stranded O.D. (mm)	Inner Layer Thickness (mm)	Outer Layer Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max ( $\Omega$ /km, 20°C)
250	13.2	1.90	2.03	21.60±0.80	637.7	0.232
300	14.2	1.90	2.03	22.60±0.80	722.2	0.194
350	15.6	1.90	2.03	24.10±0.80	809.9	0.166
400	16.6	1.90	2.03	25.10±0.80	900.0	0.1450
450	17.8	1.90	2.03	26.30±0.80	989.4	0.1290
500	18.7	1.90	2.03	27.00±0.80	1063.9	0.1160
550	19.5	2.28	2.03	28.60±1.00	1198.4	0.1060
600	20.4	2.28	2.03	29.60±1.00	1278.3	0.0967
650	21.2	2.28	2.03	30.40±1.00	1360.2	0.0893
700	22.0	2.28	2.03	31.20±1.00	1444.8	0.0829
750	22.9	2.28	2.03	32.00±1.00	1533.8	0.0774
800	23.5	2.28	2.03	32.60±1.20	1612.6	0.0725
900	25.0	2.28	2.03	34.20±1.20	1781.6	0.0645
1000	26.5	2.28	2.03	35.80±1.50	1959.2	0.0580
1250	29.7	2.92	2.79	41.90±1.50	2571.6	0.0464
1500	32.3	2.92	2.79	44.50±1.50	2980.7	0.0387

Note: Please refer to the above technical reference number for your reference, please check the technical section of our department for your request.