

# 2kV Copper PV Wire

## CONSTRUCTION AT A GLANCE

**CONDUCTOR TYPE** ①  
COPPER

**INSULATION TYPE** ②  
XLPE

### APPLICATIONS

- For use in solar power applications
- Rated 90°C for exposed or concealed wiring in wet or dry locations
- Rated for direct burial conduit

### CONSTRUCTION DETAILS

- Stranded copper conductors with single layer XLPE insulation
- Bare or tinned conductors
- -40°C to +90°C
- Sunlight resistant
- RoHS compliant
- Direct burial
- Sample print: SOUTHWIRE E316464 (O) (UL) PV WIRE 10 AWG (5.26mm<sup>2</sup>) CU 2000V 90°C WET OR DRY -40°C SUN RES DIRECT BURIAL OR RHW-2 2000V – RoHS

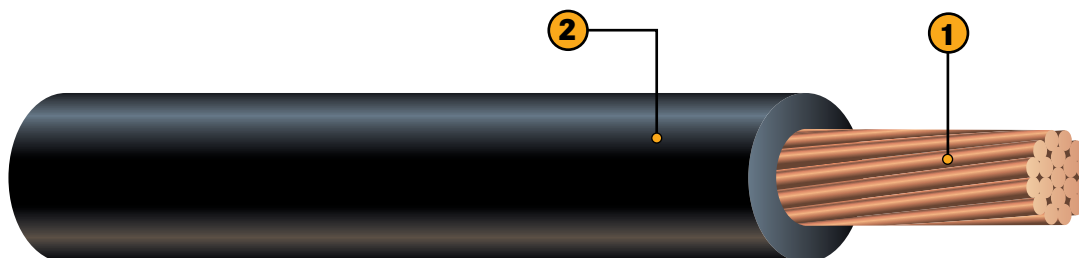
### SPECIFICATIONS

Southwire 2kV Copper Photovoltaic Wire meets the requirements of the following:

- UL Subject 4703
- UL 44
- UL 854 for TYPE USE-2

### OPTIONS

- CT rated
- 600V configurations available upon request
- Cable tray use
- VW-1



<b>AWG Size</b>	<b>Number of Strands</b>	<b>Insulation Thickness (in)</b>	<b>Nominal O.D. (in)</b>	<b>Net Weight (lbs)</b>
14	7	0.075	0.222	32
12	7	0.075	0.237	41
10	7	0.075	0.261	57
8	7	0.075	0.312	86
14	19	0.075	0.222	32
12	19	0.075	0.237	41
10	19	0.075	0.261	57
8	19	0.085	0.312	86
6	19	0.085	0.349	121
4	19	0.085	0.396	176
2	19	0.085	0.456	261
1	19	0.105	0.531	338
1/0	19	0.105	0.570	413
2/0	19	0.105	0.614	506
3/0	19	0.105	0.664	623
4/0	19	0.105	0.720	769
250 MCM	37	0.120	0.801	880
300 MCM	37	0.120	0.854	1,042
350 MCM	37	0.120	0.904	1,205
400 MCM	37	0.120	0.949	1,375
500 MCM	37	0.120	1.033	1,700
600 MCM	61	0.135	1.139	2,032
750 MCM	61	0.135	1.241	2,515
1000 MCM	61	0.135	1.390	3,335

**\*Allowable Ampacities:**

Allowable ampacities shown are for general use as specified by the NEC, 2008 Edition, section 310.15.

60 °C—When terminated to equipment for circuits rated 100 amperes or less or marked for 14 AWG through 1 AWG conductors.

75 °C—When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG.

90 °C—Wet or dry locations. For ampacity derating purposes.

