

# 2kV Rated PV

Cross-Linked Polyethylene Insulated  
8 - 1000 MCM • 2000 Volts • -40°C to 90°C Wet and Dry



8000 Series Aluminum

XLPE Insulation



## Cable Identification

“ADVANCED DIGITAL CABLE, INC. XX AWG (xxmm<sup>2</sup>) AA-8000 AL COMPACT XLP (UL) PV WIRE OR RHW-2 2000V OR USE-2 600V 90C WET OR DRY (-40C) SR GRII DIRECT BURIAL RoHS E324841”

## Description

ADC's **Solarlink** brand Photovoltaic cable has a chemically cross-linked polyethylene insulation.

## Applications

Appropriate for use in solar power applications that require 2,000 volt rating. For use in grounded interconnection and ungrounded Photovoltaic power systems.

## Construction

**Conductors:** ACM 8000 Series Aluminum class B compact stranded per ASTM B836/B801

**Insulation:** Chemically Cross-linked polyethylene

**Colors:** Black, Green, White, Red. Print on one side with a contrasting ink. An extruded stripe and other colors are available upon request.

## Industry Listings & Standards

UL Listed as PV per UL Standard 4703  
RHW-2 per UL Standard 44 and USE-2 per UL Standard 854  
-40°C/90°C Wet and Dry Rated  
Gasoline and Oil Resistant II  
RoHS Compliant  
Sunlight Resistant  
VW-1 Flame Rating Optional



## Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Aluminum Weight per lbs/1M'
3082ALNPV	8	7	85	.304	42	15.5
3062ALNPV	6	7	85	.339	55	24.7
3042ALNPV	4	7	85	.383	75	39.3
3032ALNPV	3	7	85	.408	88	49.5
3022ALNPV	2	7	85	.438	104	62.5
3012ALNPV	1	8	105	.509	137	78.4
30102ALNPV	1/0	10	105	.546	164	99.4
30202ALNPV	2/0	12	105	.586	195	125
30302ALNPV	3/0	16	105	.633	234	157
30402ALNPV	4/0	19	105	.685	283	198
302502ALNPV	250 MCM	23	120	.754	339	234
303002ALNPV	300 MCM	22	120	.806	395	281
303502ALNPV	350 MCM	26	120	.847	449	328
304002ALNPV	400 MCM	37	120	.899	505	376
305002ALNPV	500 MCM	37	120	.976	613	471
306002ALNPV	600 MCM	61	135	1.083	742	565
307502ALNPV	750 MCM	61	135	1.178	900	706
3010002ALNPV	1000 MCM	61	135	1.330	1164	941

The information contained on this specification is intended to be used as a guide in product selection and is believed to be reliable. ADC has made every effort to ensure the data shown above is accurate at the time of publication. This specification is subject to change anytime without notice. REV0821