

## Dual Pass 2kV Rated PV

Cross-Linked Polyethylene Insulated • PVC Jacketed  
18 - 750 MCM • 2000 Volts • 105°C Dry and 90°C Wet



- Bare Copper
- XLPE Insulation
- PVC Jacket



### Cable Identification

**18-16 AWG:** "ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 2KV 90C WET OR 105C DRY SUN RES UV RATED VW-1 DIRECT BURIAL RoHS E324841"

**14 AWG-750 MCM:** "ADVANCED DIGITAL CABLE INC. XX AWG (UL) PV WIRE 2KV 90C WET OR 105C DRY SUN RES UV RATED VW-1 OR RHW-2 DIRECT BURIAL RoHS E324841"

### Description

ADC's **Solarlink** brand Photovoltaic cable has a chemically cross-linked polyethylene insulation with a sunlight resistant PVC jacket.

### 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:** Stranded bare copper conductor per ASTM B-3, B-8. Available in 7 or 19 stranded versions as well as tinned copper.

**Insulation:** White Chemically Cross-linked polyethylene with colored sunlight resistant PVC jacket.

**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 Photovoltaic Cable per Standard Subject 4703 and 44 90°C Wet/105°C Dry Rated  
Gasoline and Oil Resistant II  
RoHS Compliant  
Sunlight Resistant  
VW-1 Rated



### Cable Data

Part Number	AWG	Strand	Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal O.D. (inch)	Approximate Net Weight lbs/1M'	Copper Weight per lbs/1M'
3182DPV	18	7	60	30	.226	27.00	5.40
3162DPV	16	7	60	30	.238	32.00	7.97
3142DPV	14	7	60	30	.251	39.00	12.78
3122DPV	12	7	60	30	.270	49.00	20.20
3102DPV	10	7	60	30	.294	65.00	32.05
3082DPV	8	7	70	30	.344	95.00	51.05
3062DPV	6	7	70	30	.381	130.00	80.90
3042DPV	4	7	70	30	.429	188.00	128.90
3032DPV	3	7	70	30	.460	229.00	162.50
3022DPV	2	7	70	30	.489	277.00	204.90
3012DPV	1	19	90	30	.572	360.00	258.00
30102DPV	1/0	19	90	30	.613	437.00	326.00
30202DPV	2/0	19	90	30	.659	535.00	411.00
30302DPV	3/0	19	90	30	.710	655.00	518.00
30402DPV	4/0	19	90	30	.768	806.00	653.00
302502DPV	250 MCM	37	105	30	.845	962.00	772.00
303002DPV	300 MCM	37	105	30	.900	1133.00	926.00
303502DPV	350 MCM	37	105	30	.951	1305.00	1081.00
304002DPV	400 MCM	37	105	30	.998	1475.00	1235.00
305002DPV	500 MCM	37	105	30	1.083	1810.00	1544.00
306002DPV	600 MCM	61	120	30	1.193	2179.00	1853.00
307502DPV	750 MCM	61	120	30	1.298	2676.00	2309.00

The information contained on this specification is intended to be used 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. REV0410

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