

Dual Pass 600V Rated PV

Cross-Linked Polyethylene Insulated • PVC Jacketed
18 - 750 MCM • 600 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 600V 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 600V 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 600 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'
318DPV	18	7	45	30	.196	21.00	5.40
316DPV	16	7	45	30	.208	25.00	7.97
314DPV	14	7	45	30	.221	33.00	12.78
312DPV	12	7	45	30	.240	43.00	20.20
310DPV	10	7	45	30	.264	56.00	32.05
308DPV	8	7	60	30	.324	90.00	51.05
306DPV	6	7	60	30	.361	125.00	80.90
304DPV	4	7	60	30	.409	183.00	128.90
303DPV	3	7	60	30	.440	218.00	162.50
302DPV	2	7	60	30	.469	267.00	204.90
301DPV	1	19	80	30	.552	350.00	258.00
3010DPV	1/0	19	80	30	.593	428.00	326.00
3020DPV	2/0	19	80	30	.639	524.00	411.00
3030DPV	3/0	19	80	30	.690	644.00	518.00
3040DPV	4/0	19	80	30	.748	794.00	653.00
30250DPV	250 MCM	37	95	30	.825	948.00	772.00
30300DPV	300 MCM	37	95	30	.880	1,118.00	926.00
30350DPV	350 MCM	37	95	30	.931	1,289.00	1081.00
30400DPV	400 MCM	37	95	30	.978	1,458.00	1235.00
30500DPV	500 MCM	37	95	30	1.063	1,794.00	1544.00
30600DPV	600 MCM	61	110	30	1.173	2158.00	1853.00
30750DPV	750 MCM	61	110	30	1.278	2654.00	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.

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PV PHOTOVOLTAIC CABLE

