

PhotoVoltaic(PV) Wire

APPLICATION

Interconnection wiring of grounded and ungrounded photovoltaic power systems described in NEC® Article 690 and is rated 90°C for exposed or concealed wiring in wet or dry locations.

This wire is used in photovoltaic power system from the panel to the combiner box, from the combiner box to the inverter and from the inverter to the transformer.

APPLICATION STANDARDS

- UL 4703 for Type PV
- UL 44 for Type RHW-2
- National Electrical Code (NEC®)

MATERIALS & CONSTRUCTION

Conductor	Round compacted concentric-lay-stranded conductor of aluminum alloy in accordance with Class B of ASTM B800, B801 and B836.
Insulation	Extruded layer of XLPE compound for RHW-2 complying with UL 44 and UL4703

PRODUCT FEATURES

- UL Listed Type PV of UL4703
- Cold bend and impact -40°C
- Flame retardant VW-1
- UV/Sunlight resistance
- RoHS compliance
- Direct burial
- Default color is black.
(Alternate all colors available upon request)

CERTIFICATE

UL(File No. E530672) Type PV Wire



2000V PV Wire

Conductor			Number of strands	Insulation thickness		Noninal overall diameter		Net weight	
Size	Diameter								
AWG/kcmil	mm	inches	ea	mm	inches	mm	inches	kg/km	lbs./mft
4/0	12.07	0.475	19	2.66	0.105	17.7	0.685	429	288
500	18.69	0.736	37	3.04	0.120	25.1	0.976	915	615
600	20.65	0.813	61	3.43	0.135	27.8	0.976	1107	744
750	23.06	0.908				30.3	1.173	1345	904
1000	26.92	1.060				34.1	1.315	1740	1169