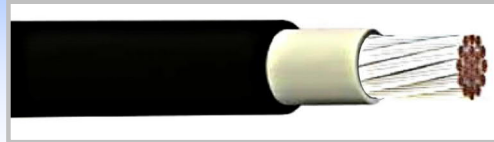


# PV Cables

## UL 1000 and 2000V PV Wires



- ◆ UL approvals : File E339319.
- ◆ Standard : UL 4703.
- ◆ Application : The PV wires for interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Wiring Systems, Article 690, and other applicable parts of the National Electrical Code (NEC), NFPA 70.
- ◆ Rating voltage : 1000V and 2000V, 90°C wet or dry.
- ◆ Conductor : Flexible tinned copper conductor, Class 5 or non-tinned compacted Class 2 of IEC 60228. Binder tape : PET film or other suitable tape over conductor. Insulation : White (natural) XLPO. Jacket : Black XLPO.
- ◆ Character : Flexibility , -40°C, Sunlight resistance.
- ◆ Flame retardant : Comply with FV-1/Vertical, FV-2/VW-1 and Horizontal Specimen / FT2 flame test.

Conductor			Overall diameter (Approx.)	Maximum conductor resistance (20°C)	AC test voltage	Insulation resistance (15°C)
Size	Construction	Outerside diameter (Approx.)				
mm <sup>2</sup>	no./ mm	mm	mm	Ω/km	kV/min	MΩ·km
1.5	28/0.25	1.57	6.52	13.7	6.0/1	1470
2.5	48/0.25	2.02	6.97	8.21	6.0/1	1260
4	80/0.25	2.59	7.54	5.09	6.0/1	1070
6	119 /0.25	3.57	8.7	3.39	7.5/1	930
10	126/0.32	4.71	10.16	1.95	7.5/1	770
16	203/0.32	5.97	11.42	1.24	7.5/1	640
25	315/0.32	7.44	12.89	0.795	7.5/1	530
35	437/0.32	8.9	15.35	0.565	9.0/1	560
50	608/0.32	10.45	16.9	0.393	9.0/1	490
70	437/0.45	12.5	18.95	0.277	9.0/1	420
95	608/0.45	14.7	21.15	0.210	9.0/1	370
120	777/0.45	16.66	24.96	0.164	10.0/1	420
240	1517/0.45	23.31	31.61	0.0817	10.0/1	310

Note: Flexible tinned, Class 5 copper Conductor