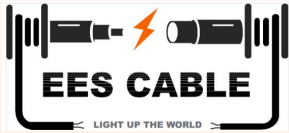


UL 4703 PV WIRE

SOLAR CABLE



ADVANTAGES

- High flame retardant
- High insulation resistance
- Damp heat resistant
- Weather, UV, ozone resistant
- Good low temperature resistant
- Rated for direct burial

APPLICATION

This cable is widely used in photovoltaic power generation and solar system, connecting solar module and electrical components. It is suitable for outdoor extreme environment.

CHARACTERISTICS

- Conductor:** Aluminum
- Inner Layer:** XLPO, Black or White
- Out Layer:** XLPO, Black or Red
- Nominal Voltage**
U=600V, 1000 or 2000V

- Temperature Rating**
Rated: -40°C ~ +90°C

Voltage test on completed cable

- | | |
|-------------------|-------------------|
| U=600V | U=1000V or 2000V |
| 18~10AWG, 3KV/min | 18~10AWG, 6KV/min |
| 8~2AWG, 3.5KV/min | 8~2AWG, 7.5KV/min |
| 1~4/0AWG, 4KV/min | 1~4/0AWG, 9KV/min |

Testing Standard

- Test under fire conditions: UL1581 VW-1
- Sunlight resistance: UL2556
- Cold bend test: UL854

AWG	Conductor Construction (No./mm)	600V Inner Layer O.D.(mm)	600V Cable O.D. (mm)	1000 or 2000V Inner Layer O.D.(mm)	1000 or 2000V Cable O.D. (mm)	Conductor Resistance Max(Ω/km, 20°C)
14	41/0.254	3.45	5.10	4.20	5.85	8.96
12	48/0.30	3.95	5.60	4.75	6.40	5.64
10	78/0.30	4.60	6.20	5.35	7.00	3.546
8	67/0.40	6.10	7.70	6.70	8.30	2.23
6	106/0.40	7.10	9.50	7.65	10.10	1.403
4	420/0.254	8.80	11.20	9.30	11.70	0.882
2	665/0.254	10.60	13.00	11.10	13.50	0.5548
1/0	1045/0.254	13.20	16.40	13.70	16.90	0.3487
2/0	1330/0.254	14.60	17.80	15.10	18.30	0.2766
3/0	1672/0.254	16.00	19.20	16.50	19.70	0.2194
4/0	2109/0.254	17.40	20.60	17.90	21.10	0.1722