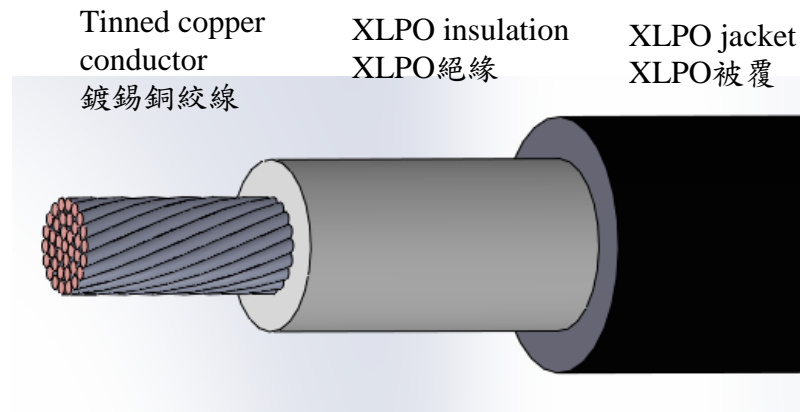
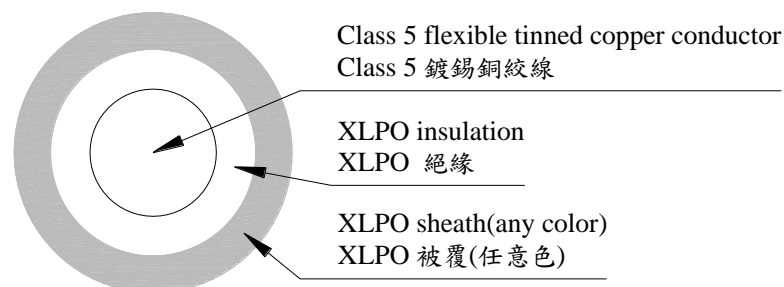


# UL PV wire




- ◎ UL approvals : File E332815
- ◎ Standard : UL Subject 4703
- ◎ Application : Our PV wire rated -40~90°C dry and, 90°C wet, 600 , 1000 or 2000V 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.
- ◎ Voltage Rating : 600V , 1000V or 2000V
- ◎ Temperature Range: -40°C to +90°C
- ◎ Conductor : Stranded copper or tinned copper conductors
- ◎ Insulation : White (natural) XLPO
- ◎ Jacket : Black XLPO
- ◎ Flame retardant : Comply with FV-1/Vertical flame test, FV-2/VW-1 test and Horizontal Specimen / FT2 flame test.
- ◎ Features: Excellent thermal aging, flame, and moisture resistance.
- ◎ Cable construction



## 600V PV wire

導體規格 Conductor size	導體構造 Conductor construction	絕緣厚度 Insulation thickness mm	被覆厚度 Jacket thickness mm	導體電阻 Maximum conductor resistance $\Omega/\text{km}@20^{\circ}\text{C}$	外徑(約) Overall diameter mm	概算重量 Weight kg/km	最大靜電容量 ( $\mu\text{F}/\text{km}$ )
4/0AWG	532/0.511	2.03(80mils)	0.76(30mils)	0.180	21.5	1,270	0.58
3/0AWG	418/0.511	2.03(80mils)	0.76(30mils)	0.225	19.7	1,025	0.52
2/0AWG	342/0.511	2.03(80mils)	0.76(30mils)	0.285	18.5	860	0.48
1/0AWG	266/0.511	2.03(80mils)	0.76(30mils)	0.359	17.0	695	0.43
1AWG	210/0.511	2.03(80mils)	0.76(30mils)	0.449	15.8	570	0.40
2AWG	161/0.511	1.52(60mils)	0.76(30mils)	0.566	13.5	430	0.45
4AWG	105/0.511	1.52(60mils)	0.76(30mils)	0.900	11.8	300	0.37
6AWG	63/0.511	1.52(60mils)	0.76(30mils)	1.43	10.2	205	0.30
8AWG	168/0.254	1.52(60mils)	0.76(30mils)	2.23	9.2	150	0.26
10AWG	104/0.254	1.14(45mils)	0.76(30mils)	3.55	7.5	100	0.27
12AWG	65/0.254	1.14(45mils)	0.76(30mils)	5.82	6.5	70	0.21
14AWG	41/0.254	1.14(45mils)	0.76(30mils)	9.25	6.0	55	0.18
16AWG	26/0.254	1.14(45mils)	0.76(30mils)	14.7	5.6	45	0.16
18AWG	16/0.254	1.14(45mils)	0.76(30mils)	23.4	5.2	35	0.13

 TAI-I (UL) E332815 PV wire 600V 14AWG 90°C Dry/90°C Wet VW-1 Sun Res -40°C

 TAI-I (UL) E332815 PV wire 600V 4mm<sup>2</sup> 90°C Dry/90°C Wet VW-1 Sun Res -40°C



台一國際股份有限公司

TAI-I ELECTRIC WIRE & CABLE CO.,LTD.

1000V or 2000V PV wire

導體規格 Conductor size	導體構造 Conductor construction	絕緣厚度 Insulation thickness mm	被覆厚度 Jacket thickness mm	導體電阻 Maximum conductor resistance $\Omega/\text{km}@20^{\circ}\text{C}$	外徑(約) Overall diameter mm	概算重量 Weight kg/km	最大靜電容量 ( $\mu\text{F}/\text{km}$ )
4/0AWG	532/0.511	2.28(90mils)	0.76(30mils)	0.180	22.1	1,295	0.53
3/0AWG	418/0.511	2.28(90mils)	0.76(30mils)	0.225	20.3	1,050	0.48
2/0AWG	342/0.511	2.28(90mils)	0.76(30mils)	0.285	19.0	880	0.44
1/0AWG	266/0.511	2.28(90mils)	0.76(30mils)	0.359	17.5	715	0.39
1AWG	210/0.511	2.28(90mils)	0.76(30mils)	0.449	16.3	590	0.36
2AWG	161/0.511	1.77(70mils)	0.76(30mils)	0.566	14.0	445	0.39
4AWG	105/0.511	1.77(70mils)	0.76(30mils)	0.900	12.3	315	0.33
6AWG	63/0.511	1.77(70mils)	0.76(30mils)	1.43	10.8	215	0.27
8AWG	168/0.254	1.77(70mils)	0.76(30mils)	2.23	9.7	160	0.23
10AWG	104/0.254	1.52(60mils)	0.76(30mils)	3.55	8.3	110	0.22
12AWG	65/0.254	1.52(60mils)	0.76(30mils)	5.82	7.3	80	0.17
14AWG	41/0.254	1.52(60mils)	0.76(30mils)	9.25	6.8	65	0.15
16AWG	26/0.254	1.52(60mils)	0.76(30mils)	14.7	6.4	55	0.13
18AWG	16/0.254	1.52(60mils)	0.76(30mils)	23.4	6.1	45	0.12

 TAI-I (UL) E332815 PV wire 1000V 14AWG 90°C Dry/90°C Wet VW-1 Sun Res -40°C

 TAI-I (UL) E332815 PV wire 2000V 14AWG 90°C Dry/90°C Wet VW-1 Sun Res -40°C



台一國際股份有限公司

TAI-I ELECTRIC WIRE & CABLE CO.,LTD.