

# SPECIFICATION 規格書

## Specification 規格書

Name 品名 : Photovoltaic Cable (PV Cable)

Spec 規格 : Solar Cable 4mm<sup>2</sup>x1C

No.項次	Item(項目)	Value(規格值)	公差
<b>Conductor Structure 導體結構</b>			
1	Material (導體材質)	Tinned Copper	-----
2	structure(導體結構)	0.30mm / 52	± 0.008mm
3	AWG (美規公稱)	4mm <sup>2</sup> x1C	-----
<b>Insulation Structure 絕緣層結構</b>			
4	Material (材質)	XLPE	-----
5	Thickness (厚度)	-----	mm
6	Diameter (完成外徑)	4.95 mm	-----
7	Color Code (顏色)	WHITE	-----
<b>Outside Jacket 外被披覆</b>			
8	Material (材質)	XLPE	-----
9	Diameter (完成外徑)	5.50 mm	± 0.25mm
10	Color (外被顏色)	Matte Black	-----
<b>Electronis Characters 電氣特性</b>			
11	Rated Voltage(額定耐壓)	1000 V / AC	V/AC
12	Rated Voltage(額定耐壓)	1500 V / DC	V/DC
13	Rated Temperature(額定耐溫)	-40~90 °C	°C
<b>Physical Characters 物理特性</b>			
14	Cable Resistance (電纜物性)	ANTI-UV + Ozone	-----
15	Cable Qualify(電纜認證)	TÜV EN 50618:2014	-----
MARK	TÜV EN 50618/2014 PV CABLE H1Z2Z2-K 4mm <sup>2</sup> ROHS		

Structural Configuration (結構圖):



Photovoltaic

**TAYUKABEL®**

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## Technical information 技術資料

### MAP<sup>®</sup> PHOTOVOLTIC SOLOR CABLE 【PV CABLE】

#### Design

Conductor	Tinned copper, according to the VDE0295/IEC60228,Class 5
Insulation	Electron-beam cross-linked polyethylene
Outer sheath	Electron-beam cross-linked polyethylene
Sheath color	Black / Red / Blue or as per customer's request
Applicable standards	TUV EN 50618:2014

#### Material Properties/Standards

- Fire-resistance according to 【 IEC 60332-1 standard】
- Smoke emission according to 【IEC 61034; EN 50268-2】
- Content of fluorine according to 【IEC 60684-2 ,EN 60684-2】
- Corrosivity of gases according to 【IEC 60754-2 ,EN 50267-2-2】

#### Technical Specification

- Nominal voltage:U0/U=600/1000V AC,1000/1800V DC
- Test voltage:6500V,50HZ,5min
- Temperature Rating:-40°C up to +90°C
- Bending radius: fixed installation >10D
- Fire-resistance performance:IEC 60332-1

