

**DESCRIPTION**

Non-Halogen Cable for 1500V Photovoltaic Power System Class 5 TC Stranding Low Smoke Density and Direct Burial Applied.

**STANDARDS**

IEC 60228, IEC 60332-1-2, IEC 60754, IEC 60811, IEC 61034, IEC 62930  
 EN 50618  
 JCS 4517  
 Interpretation of EETS Article 46  
 ROHS 2011/65/EU

**CABLE CONSTRUCTION**

Conductor	Stranded Tinned Copper
Size	6mm <sup>2</sup>
Stranding	78/0.30
Diameter	3.0mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Color	White
Jacket	XLPO
Minimum Average Thickness	1.2mm
Color	Black
Diameter	6.8±0.2mm

**ELECTRICAL CHARACTERISTICS (at +20°C)**

Voltage Rating	
EN 50618	AC:1000V; DC:Max.1500V
IEC 62930	AC:1000V; DC:Max.1500V
JCS 4517	DC 1500V
Interpretation of EETS Article 46	DC 1500V
Insulation Resistance	≥ 1000 MΩ.km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 3.39 Ω/km

**OTHER CHARACTERISTICS**

Bending Radius	
Dynamic	≥ 5 X OD
Static	≥ 4 X OD
Flammability	IEC 60332-1-2, JIS C 3665-1-2
Working Temperature	-40 ~ +90 °C
Cable Light Transmittance	≥ 60%

**PRINT LEGEND**

AKATSUKI H1Z2Z2-K 6mm<sup>2</sup> R 50385976    AKATSUKI 62930 IEC 131 6mm<sup>2</sup> HALOGEN FREE LOW SMOKE R 50406787    S-JET  
 DC 1500V PV-CC 6mm<sup>2</sup> PV CABLE 90°C    ROHS & LSZH

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Notes : With or without solid line on whole length above will be required.  
 Both marking will be required according to the purchase order.

**HISTORY**

Jan 22, 2018 First issue  
 Aug 3, 2018 Add IEC marking according to IEC 62930 standard requirement

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