



## DESCRIPTION

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

## STANDARDS

IEC 60228, IEC 60332-1-2, IEC 60754, IEC 60811, IEC 61034, IEC 62930  
EN 50618  
ROHS 2011/65/EU

## CABLE CONSTRUCTION



Conductor	Stranded Tinned Copper
Size	2.5mm <sup>2</sup>
Stranding	47/0.25
Diameter	2.0mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Color	White
Jacket	XLPO
Minimum Average Thickness	0.8mm
Color	Black
Diameter	5.0±0.1mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
EN 50618	AC:1000V; DC:Max.1500V
IEC62930	AC:1000V; DC:Max.1500V
Insulation Resistance	≥ 1000 MΩ.km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 8.21 Ω/km

## OTHER CHARACTERISTICS

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

## PRINT LEGEND

AKATSUKI H1Z2Z2-K 2.5mm<sup>2</sup> TRPV R 50385976 AKATSUKI 62930 IEC 131 2.5mm<sup>2</sup> HALOGEN FREE LOW SMOKE R 50406787  
—— AKATSUKI H1Z2Z2-K 2.5mm<sup>2</sup> TRPV R 50385976 ——— AKATSUKI 62930 IEC 131 2.5mm<sup>2</sup> HALOGEN FREE LOW SMOKE R  
50406787 ———

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

## HISTORY

Feb 22, 2018	First issue	Draft
May 7, 2018	Add IEC marking according to IEC 62930 standard requirement	V0