



## 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  
ROHS 2011/65/EU

## CABLE CONSTRUCTION



Conductor	Stranded Tinned Copper
Size	4mm <sup>2</sup>
Stranding	52/0.30
Diameter	2.4mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Color	White
Jacket	XLPO
Minimum Average Thickness	0.8mm
Color	Black
Diameter	5.4±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	≤ 5.09 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%

## PRINT LEGEND

AKATSUKI H1Z2Z2-K 4mm<sup>2</sup> R 50385976 AKATSUKI 62930 IEC 131 4mm<sup>2</sup> HALOGEN FREE LOW SMOKE R 50406787  
—— AKATSUKI H1Z2Z2-K 4mm<sup>2</sup> R 50385976 ——— AKATSUKI 62930 IEC 131 4mm<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

Dec 29, 2017 First issue  
May 7, 2018 Add IEC marking according to IEC 62930 standard requirement

Draft  
V0