



## DESCRIPTION

Non-Halogen Cable for 1000V Photovoltaic Power System Class 5 TC Stranding Low Smoke Density and Direct Burial Applied,  
Cable also designed for Floating PV System.

## STANDARDS

IEC 60228, IEC 60332-1-2, IEC 60754, IEC 60811, IEC 61034, IEC 62930  
EN 50618, TUV 2 PFG 2750/09.20  
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	0.8mm
Color	Black
Diameter	6.0±0.2mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
EN 50618	1000V
IEC 62930	1000V
TÜV 2PFG 2750	1000V
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
Working Temperature	-40°C~+90°C
Cable Light Transmittance	≥ 60%

## PRINT LEGEND

AKATSUKI H1Z2Z2-K 6mm<sup>2</sup> R 50385976 WPV WATERPROOF AKATSUKI 62930 IEC 131 6mm<sup>2</sup> HALOGEN FREE LOW SMOKE R  
50406787  
—— AKATSUKI H1Z2Z2-K 6mm<sup>2</sup> R 50385976 WPV WATERPROOF —— AKATSUKI 62930 IEC 131 6mm<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	Draft
May 7, 2018	Add IEC marking according to IEC 62930 standard requirement	V0
May 30, 2022	Adjust marking according requirement	V1