



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	10mm ²
Stranding	77/0.40
Diameter	4.1mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Color	White
Jacket	XLPO
Minimum Average Thickness	0.8mm
Color	Black
Diameter	7.2±0.3mm

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	≤ 1.95 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 10mm² R 50385976 WPV WATERPROOF AKATSUKI 62930 IEC 131 10mm² HALOGEN FREE LOW SMOKE
R 50406787
—— AKATSUKI H1Z2Z2-K 10mm² R 50385976 WPV WATERPROOF ——— AKATSUKI 62930 IEC 131 10mm² 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