

**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	2.5mm ²
Stranding	47/0.25
Diameter	2.0mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Color	White
Jacket	XLPO
Minimum Average Thickness	1.1mm
Color	Black
Diameter	5.6±0.1mm

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	≤ 8.21 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 2.5mm² R 50385976 AKATSUKI 62930 IEC 131 2.5mm² HALOGEN FREE LOW SMOKE R 50406787 S-JET
 DC 1500V PV-CC 2.5mm² PV CABLE 90°C ROHS & LSZH

———— AKATSUKI H1Z2Z2-K 2.5mm² R 50385976 ——— AKATSUKI 62930 IEC 131 2.5mm² HALOGEN FREE LOW SMOKE R
 50406787 ——— S-JET DC 1500V PV-CC 2.5mm² PV CABLE 90°C ——— ROHS & LSZH ———

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

Draft
 V0