



### 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  
UL 44, UL 854, UL 1581, UL 2556, UL 4703  
EN 50618  
ROHS 2011/65/EU

### CABLE CONSTRUCTION



Conductor	Stranded tinned copper
Size	10mm <sup>2</sup> /8AWG
Stranding	77/0.40
Diameter	4.1mm
Inner Layer	XLPO
Minimum Average Thickness	1.39mm
Color	White
Outer Layer	XLPO
Minimum Average Thickness	0.8mm
Color	Black
Diameter	8.57±0.3mm

### ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
UL 4703	AC 1000V, 2000V
EN 50618	AC: 1000V; DC: Max.1500V
IEC62930	AC: 1000V; DC: Max.1500V
Insulation Resistance	≥ 1000 MΩ.km
Voltage Withstand	7500 VAC
Conductor DC Resistance	≤ 1.95 Ω/km

### OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 5 X OD
Static	≥ 4 X OD
Flammability	VW, IEC 60332-1-2
Working Temperature	105°C Dry, 90°C Wet
Cable Light Transmittance	≥ 60%
Termite Test	Termite Resisting

### PRINT LEGEND

AKATSUKI E497908 (UL) 8AWG PV WIRE 105°C DRY 90°C WET 1000V SUN RES -40°C DIR BUR AKATSUKI H1Z2Z2-K 10mm<sup>2</sup>  
 TRPV R 50385976 AKATSUKI 62930 IEC 131 10mm<sup>2</sup> HALOGEN FREE LOW SMOKE R 50406787  
 — AKATSUKI E497908 (UL) 8AWG PV WIRE 105°C DRY 90°C WET 1000V SUN RES -40°C DIR BUR — AKATSUKI  
 H1Z2Z2-K 10mm<sup>2</sup> TRPV R 50385976 — AKATSUKI 62930 IEC 131 10mm<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  
May 8, 2018 Add IEC marking according to IEC 62930 standard requirement

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