

## 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  
 UL 44, UL 854, UL 1581, UL 2556, UL 4703  
 EN 50618  
 JCS 4517  
 Interpretation of EETS Article 46  
 ROHS 2011/65/EU

## CABLE CONSTRUCTION



Conductor	Stranded tinned copper
Size	2.5mm <sup>2</sup> /14AWG
Stranding	47/0.25
Diameter	2.0mm
Inner Layer	XLPO
Minimum Average Thickness	1.14mm
Color	White (RAL9003)
Outer Layer	XLPO
Minimum Average Thickness	1.2mm
Color	Black (RAL9005)
Diameter	6.8±0.2mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	1000V, 2000V
UL 4703	AC: 1000V, DC: Max. 1500V
EN 50618	DC 1500V
JCS 4517	DC 1500V
Interpretation of EETS Article 46	DC 1500V
Insulation Resistance	≥ 1000 MΩ.km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 8.21Ω/km

## OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 5 X OD
Static	≥ 4 X OD
Flammability	IEC 60332-1-2, VW, JIS C 3665-1-2
Working Temperature	105°C DRY, 90°C WET
Cable Light Transmittance	≥ 60%

## PRINT LEGEND

E331483 (UL) 14AWG PV WIRE 105°C DRY 90°C WET 1000V OR 2000V SUN RES -40°C DIR BUR H1Z2Z2-K 1X2.5mm<sup>2</sup> PV  
 WIRE BYSON ELECTRONICS S-JET DC 1500V PV-CC 2.5mm<sup>2</sup> PV CABLE 90°C  
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Notes: With or without solid line on whole length above will be required .  
 Both marking will be required according to the purchase order.

## HISTORY

Aug 14, 2015	First issue	Draft
Feb 6, 2017	Changing marking, withdrawn TUV 1990 according to EN standard requirement	V0
Jan 3, 2018	Optimized file	V1