

## 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 -2-1, IEC 61034, IEC 61215  
 UL 44, UL 854, UL 1581, UL 2556, UL 4703  
 EN 50618  
 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	0.8mm
Color	Black (RAL9005)
Diameter	5.94±0.1mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
UL 4703	AC 1000V, 2000V
EN 50618	AC: 1000V; DC: Max.1500V
Working Temperature	105°C DRY, 90°C WET
Insulation Resistance	≥ 1000 MΩ.km
Spark Test	10000 VAC
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 8.21Ω/km

## OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 5 X OD
Static	≥ 4 X OD
Flammability	VW-1, IEC 60332-1-2
Cable Light Transmittance	≥ 60%

## PRINT LEGEND

H1Z2Z2-K 1X2.5mm<sup>2</sup> PV WIRE BYSON ELECTRONICS E331483 (UL) 14AWG PV WIRE 105°C DRY 90°C WET 1000V OR 2000V  
 SUN RES -40°C DIR BUR

## HISTORY

Jun 11, 2015 First issue  
 Oct 21, 2016 Changing marking, withdrawn TUV 1169 according to EN standard requirement

Draft  
 V0