

## 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  
 EN 50618  
 ROHS 2011/65/EU

## CABLE CONSTRUCTION



Conductor	Stranded Tinned Copper
Size	25mm <sup>2</sup>
Stranding	190/0.4
Diameter	7.2mm
Insulation	XLPE
Minimum Average Thickness	0.9mm
Color	White (RAL9003)
Jacket	XLPE
Minimum Average Thickness	1.0mm
Color	Black (RAL9005)
Diameter	11.3±0.4mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
EN 50618	AC:1000V;DC:Max.1500V
Insulation Resistance	≥ 1000 MΩ.km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 0.795 Ω/km

## OTHER CHARACTERISTICS

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

## PRINT LEGEND

H1Z2Z2-K 1X25mm<sup>2</sup> PV WIRE BYSON ELECTRONICS

## HISTORY

May 18, 2015	First issue	Draft
Apr 20, 2016	Optimized file	V0
Nov 14, 2016	Changing marking, withdrawn TUV 1169 according to EN standard requirement	V1