

## 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  
 ROHS 2011/65/EU

## CABLE CONSTRUCTION



Conductor	Stranded Tinned Copper
Size	2.5mm <sup>2</sup>
Stranding	47/0.25
Diameter	2.0mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Color	White (RAL9003)
Jacket	XLPO
Minimum Average Thickness	0.8mm
Color	Black (RAL9005)
Diameter	5.0±0.1mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
EN 50618	AC:1000V; DC:Max.1500V
IEC 62930	AC:1000V; DC:Max.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
Cable Light Transmittance	≥ 60%

## PRINT LEGEND

H1Z2Z2-K 1X2.5mm<sup>2</sup> PV WIRE BYSON ELECTRONICS 62930 IEC 131 2.5mm<sup>2</sup> HALOGEN FREE LOW SMOKE BYSON ELECTRONICS  
 ——— H1Z2Z2-K 1X2.5mm<sup>2</sup> PV WIRE BYSON ELECTRONICS ——— 62930 IEC 131 2.5mm<sup>2</sup> HALOGEN FREE LOW SMOKE BYSON ELECTRONICS ———

Notes: With or without solid line on whole length above will be required .  
 Both marking will be required according to the purchase order.

## HISTORY

Apr 4, 2014	First issue	V0
Apr 16, 2014	Adjust marking according to requirement	V1
Nov 13, 2014	Add EN certification No. in description and OD tolerance	V2
Feb 3, 2015	Adjust EN certificate No. according to requirement	V3
Apr 25, 2015	Add TUV 2PFG 1169 description, adjust marking	V4
Nov 14, 2016	Changing marking, withdrawn TUV 1169 according to EN standard requirement	V5
Jan 8, 2018	Update file	V6
Apr 16, 2018	Add IEC marking according to IEC 62930 standard requirement	V7