

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
 JCS 4517
 EN 50618
 Interpretation of EETS Article 46 / H25.03
 ROHS 2011/65/EU

CABLE CONSTRUCTION



Conductor	Stranded Tinned Copper
Size	2.5mm ²
Stranding	47/0.25
Diameter	2.0mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Minimum Thickness	0.5mm
Diameter	3.4mm
Color	White (RAL9003)
Jacket	XLPO
Minimum Average Thickness	1.1mm
Minimum Thickness	0.8mm
Color	Black (RAL9005)
Diameter	5.6±0.1mm

ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
EN 50618	DC: Max. 1500V; AC: 1000V
JCS 4517	DC 1500V
Interpretation of EETS Article 46	DC 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, JIS C 3665-1-2
Working Temperature	-40 ~ +90 °C
Cable Net Weight	About 47g/m

PRINT LEGEND

H1Z2Z2-K 1X2.5mm² PV WIRE BYSON ELECTRONICS S-JET DC 1500V PV-CC 2.5mm² PV CABLE 90°C ROHS & LSZH

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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

Jul 11, 2014	First issue	Draft
Nov 17, 2014	Optimized file	V0
Apr 11, 2016	Optimized file	V1
Sep 9, 2016	Add "ROHS & LSZH" on marking	V2
Nov 24, 2016	Changing marking, withdrawn TUV 1169 according to EN standard requirement	V3