

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	4mm ²
Stranding	52/0.30
Diameter	2.4mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Minimum Thickness	0.5mm
Diameter	3.8mm
Color	White (RAL9003)
Jacket	XLPO
Minimum Average Thickness	1.1mm
Minimum Thickness	0.8mm
Color	Black (RAL9005)
Diameter	6.0±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	≤ 5.09 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 62 g/m

PRINT LEGEND

H1Z2Z2-K 1X4mm² PV WIRE BYSON ELECTRONICS S-JET DC 1500V PV-CC 4mm² PV CABLE 90°C ROHS & LSZH

—— H1Z2Z2-K 1X4mm² PV WIRE BYSON ELECTRONICS ——— S-JET DC 1500V PV-CC 4mm² PV CABLE 90°C ——— ROHS & LSZH ———

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 31, 2014	First issue	Draft
Nov 17, 2014	Optimized file	V0
May 15, 2015	Adjust marking 3.5mm ² to 4mm ² according to requirement	V1
Sep 9, 2016	Add "ROHS & LSZH" on marking	V2
Nov 24, 2016	Changing marking, withdrawn TUV 1169 according to EN standard requirement	V3