

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
 UL 44, UL 854, UL 1581, UL 2556, UL 4703
 EN 50618
 JCS 4517
 Interpretation of EETS Article 46
 ROHS 2011/65/EU

CABLE CONSTRUCTION



Conductor	Stranded tinned copper
Size	10mm ² /8AWG
Stranding	77/0.40
Diameter	4.1mm
Inner Layer	XLPO
Minimum Average Thickness	1.14mm
Color	White (RAL9003)
Outer Layer	XLPO
Minimum Average Thickness	1.2mm
Color	Black (RAL9005)
Diameter	8.9±0.3mm

ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	600V
UL 4703	AC: 1000V, DC: Max. 1500V
EN 50618	DC 1500V
JCS 4517	DC 1500V
Interpretation of EETS Article 46	≥ 1000 MΩ.km
Insulation Resistance	6500 VAC
Voltage Withstand	≤ 1.95Ω/km
Conductor DC Resistance	

OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 5 X OD
Static	≥ 4 X OD
Flammability	IEC 60332-1-2, VW, JIS C 3665-1-2
Working Temperature	105°C DRY, 90°C WET
Cable Light Transmittance	≥ 60%

PRINT LEGEND

E331483 (UL) 8AWG PV WIRE 105°C DRY 90°C WET 600V SUN RES -40°C DIR BUR H1Z2Z2-K 1X10mm² PV WIRE BYSON
 ELECTRONICS S-JET DC 1500V PV-CC 10mm² PV CABLE 90°C
 ——— E331483 (UL) 8AWG PV WIRE 105°C DRY 90°C WET 600V SUN RES -40°C DIR BUR ——— H1Z2Z2-K 1X10mm² PV
 WIRE BYSON ELECTRONICS ——— S-JET DC 1500V PV-CC 10mm² PV CABLE 90°C ———

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 25, 2016	First issue	Draft
Feb 6, 2017	Changing marking, withdrawn TUV 1990 according to EN standard requirement	V0
Jan 3, 2018	Optimized file	V1