

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	16mm ² /6AWG
Stranding	126/0.4
Diameter	5.8mm
Inner Layer	XLPO
Minimum Average Thickness	1.39mm
Color	White (RAL9003)
Outer Layer	XLPO
Minimum Average Thickness	1.3mm
Color	Black (RAL9005)
Diameter	11.4±0.4mm

ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	1000V, 2000V
UL 4703	AC: 1000V, DC: Max. 1500V
EN 50618	DC 1500V
JCS 4517	DC 1500V
Interpretation of EETS Article 46	DC 1500V
Insulation Resistance	≥ 1000 MΩ.km
Voltage Withstand	7500 VAC
Conductor DC Resistance	≤ 1.24Ω/km

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) 6AWG PV WIRE 105°C DRY 90°C WET 1000V OR 2000V SUN RES -40°C DIR BUR H1Z2Z2-K 1X16mm² PV
 WIRE BYSON ELECTRONICS DC 1500V PV-CC 16mm² PV CABLE 90°C
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 1X16mm² PV WIRE BYSON ELECTRONICS ——— DC 1500V PV-CC 16mm² 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 20, 2016	First issue	Draft
Feb 6, 2017	Changing marking, withdrawn TUV 1990 according to EN standard requirement	V0
Jan 3, 2018	Optimized file	V1