BE INSPIRED

Part No.:6503D_90039005_V1

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	6mm²/10AWG
Stranding	78/0.30
Diameter	3.0mm
Inner Layer	XLPO
Minimum Average Thickness	1.14mm
Color	White (RAL9003)
Outer Layer	XLPO
Minimum Average Thickness	1.2mm
Color	Black (RAL9005)
Diameter	7.8±0.2mm

ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
UL 4703	1000V, 2000V
EN 50618	AC: 1000V, DC: Max. 1500V
JCS 4517	DC 1500V
Interpretation of EETS Article 46	DC 1500V
Insulation Resistance	≥ 1000 MΩ.km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 3.39Ω/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) 10AWG PV WIRE 105°C DRY 90°C WET 1000V OR 2000V SUN RES -40°C DIR BUR H1Z2Z2-K 1X6mm² PV WIRE BYSON ELECTRONICS S-JET DC 1500V PV-CC 6mm² PV CABLE 90°C

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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

Aug 14, 2015	First issue	Draft
Feb 6, 2017	Changing marking, withdrawn TUV 1990 according to EN standard requirement	V0
Jan 3, 2018	Optimized file	V1