

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
 UL 44, UL 854, UL 1581, UL 2556, UL 4703
 EN 50618
 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	1.39mm
Color	White (RAL9003)
Outer Layer	XLPO
Minimum Average Thickness	0.8mm
Color	Black (RAL9005)
Diameter	8.57±0.2mm

ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
UL 4703	AC 1000V, 2000V
EN 50618	AC: 1000V; DC: Max.1500V
Working Temperature	105°C Dry, 90°C Wet
Insulation Resistance	≥ 1000 MΩ.km
Spark Test	12500VAC
Voltage Withstand	7500 VAC
Conductor DC Resistance	≤ 1.95 Ω/km

OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 5 X OD
Static	≥ 4 X OD
Flammability	VW-1, IEC 60332-1-2
Cable Light Transmittance	≥ 60%

PRINT LEGEND

H1Z2Z2-K 1X10mm² PV WIRE BYSON ELECTRONICS E331483 (UL) 8AWG PV WIRE 105°C DRY 90°C WET 1000V OR 2000V
 SUN RES -40°C DIR BUR

HISTORY

Jun 18, 2015 First issue
 Oct 21, 2016 Changing marking, withdrawn TUV 1169 according to EN standard requirement

Draft
 V0