

## 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 <sup>2</sup> /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	0.8mm
Color	Black (RAL9005)
Diameter	8.1±0.2mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	AC 600V
UL 4703	DC: Max. 1500V; AC: 1000V
EN 50618	105°C DRY, 90°C WET
Working Temperature	≥ 1000 MΩ.km
Insulation Resistance	10000 VAC
Spark Test	6500 VAC
Voltage Withstand	≤ 1.95 Ω/km
Conductor DC Resistance	

## OTHER CHARACTERISTICS

Dynamic	≥ 5 X OD
Static	≥ 4 X OD
Flammability	VW-1, IEC 60332-1-2

## PRINT LEGEND

H12222-K 1X10mm<sup>2</sup> PV WIRE BYSON ELECTRONICS E331483 (UL) 8AWG PV WIRE 105°C DRY 90°C WET 600V SUN RES  
 -40°C DIR BUR

## HISTORY

May 18, 2015	First issue	Draft
Feb 4, 2017	Changing marking, withdrawn TUV 1169 according to EN standard requirement	V0