

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
 EN 50618
 ROHS 2011/65/EU

CABLE CONSTRUCTION



Conductor	Stranded Tinned Copper
Size	16mm ²
Stranding	126/0.4
Diameter	5.1mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Color	White (RAL9003)
Jacket	XLPO
Minimum Average Thickness	0.9mm
Color	Black (RAL9005)
Diameter	8.7±0.4mm

ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
EN 50618	AC:1000V; DC:Max.1500V
IEC 62930	AC:1000V; DC:Max.1500V
Insulation Resistance	≥ 1000 MΩ.km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 1.24 Ω/km

OTHER CHARACTERISTICS

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

PRINT LEGEND

H1Z2Z2-K 1X16mm² PV WIRE BYSON ELECTRONICS 62930 IEC 131 16mm² HALOGEN FREE LOW SMOKE BYSON ELECTRONICS
 ——— H1Z2Z2-K 1X16mm² PV WIRE BYSON ELECTRONICS ——— 62930 IEC 131 16mm² HALOGEN FREE LOW SMOKE BYSON ELECTRONICS ———

Notes: With or without solid line on whole length above will be required.
 Both marking will be required according to the purchase order.

HISTORY

May 18, 2015	First issue	Draft
Apr 20, 2016	Optimized file	V0
Nov 14, 2016	Changing marking, withdrawn TUV 1169 according to EN standard requirement	V1
Jul 25, 2017	Optimized file	V2
Apr 16, 2018	Add IEC marking according to IEC 62930 standard requirement, optimized file adjust cable OD	V3