



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	6mm ²
Stranding	IEC 60228 Class 5
Diameter	3.0mm
Insulation	XLPO
Minimum Average Thickness	0.7mm
Color	White
Jacket	XLPO
Minimum Average Thickness	0.8mm
Color	Black/Red
Diameter	6.0±0.2mm

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	≤ 3.39 Ω/km

OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 5 X OD
Static	≥ 4 X OD
Flammability	IEC 60332-1-2
Working Temperature	-40 ~ +90 °C
Cable Light Transmittance	≥ 60%

PRINT LEGEND

HELUKABEL H1Z2Z2-K 1X6mm² PV WIRE EN 50618 R 50419939 HELUKABEL 62930 IEC 131 1X6mm² HALOGEN FREE LOW SMOKE R 50419940 XXXXXXXX 0999XXXXX CE XXXXXm