

Suzhou Hornour Energy High-Tech Co., Ltd

DESCRIPTION

Non-Halogen Cable for Photovoltaic Power System Class 5 TC Stranding Low Smoke Density .

CONSTRUCTION



Standard	IEC 62930, R50529678 0001
Conductor	Stranded Tinned Copper
Size	1*4mm ²
Stranding	52/0.30
Diameter	2.45mm
Insulation	XLPE
Minimum Average Thickness	0.7mm
Color	Black
Jacket	XLPE
Minimum Average Thickness	0.8mm
Color	Black
Diameter	5.5±0.15mm

CHARACTERISTICS

Voltage Rating	DC:1500V AC:1000V
Insulation Resistance at 20 °C	≥ 709 MΩ.km
Voltage Withstand	6500 VAC
Spark test	10000 VAC
Conductor DC Resistance	≤ 5.09 Ω/km
Max.current at 60°C	55A

PHYSICAL PROPERTIES

	Inner Layer	Outer Layer
Elongation	≥125%	125%
Strength	≥8Mpa	≥8Mpa
Ambient Temperature	-40°C to +90°C	
Max. Temperature at conductor	120°C	
Bending Radius	≥3 OD	
Cable Light Transmittance	≥ 60%	
Flame Test	IEC 60332-1-2	

Marking and Packing

HORNOUR  IEC 62930 4mm² 1.5KVDC FOR DC USE ONLY – DO NOT DISCONNECT
UNDER LOAD - 120°C SOLAR DC CABLE

a) 100m. (b) Consulting if delivering in other ways