

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	2*4mm ²
Stranding	52/0.30
Diameter	2.45mm
Insulation	XLPE
Minimum Average Thickness	0.7mm
Color	Black and Red
Jacket	XLPE
Minimum Average Thickness	0.8mm
Color	Black
Diameter	5.5±0.15x11.2±0.3mm

CHARACTERISTICS

Voltage Rating	DC:1500V AC:1000V
Insulation Resistance at 20 °C	≥709MΩ.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

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

- (a) 100m/drum
- (b) Consulting if delivering in other ways