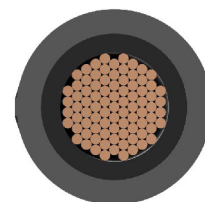


SOLAR PV 1500V DC String Cable - Single Core

PART NUMBER: RC1C16-xxxx



DESCRIPTION

Non-Halogen Single Core Cable for 1500V DC Photovoltaic Power System Class 5 TC Stranding Low Smoke Density.

STANDARDS

62930 IEC 131, IEC 60332-1-2, IEC 61034, IEC 60228
ROHS 2011/65/EU

CABLE CONSTRUCTION

Conductor	Stranded Tinned Copper
Size	16.0mm ²
Stranding	126/0.40 ±0.02mm
Diameter	5.1mm
Insulation	XLPE
Minimum Average Thickness	0.7mm
Color	Black
Jacket	XLPE
Minimum Average Thickness	0.9mm
Color	Black
Diameter	8.60 ±0.2mm

This datasheet may be subject to change without notification.


ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	AC:1000V; DC:Max.1500V
Insulation Resistance at 20 °C	≥ 393 MΩ km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 1.24 Ω/km
Maximum Current at 20 °C	130A

OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 6 X OD
Static	≥ 3 X OD
Flammability	IEC 60332-1-2
Working Temperature	-40 ~ +90°C
Cable Light Transmittance	≥ 60%

MARKING

RALOS SOLAR CABLE 1500V DC 1*16mm²  62930 IEC 131
HALOGEN FREE LOW SMOKE FOR DC USE ONLY - DO NOT
DISCONNECT UNDER LOAD R505454480

PACKING

- xxxx	- 500 (500m Drum)	8 Drums / Pallet
- xxxx	- 1,000 (1,000m Drum)	4 Drums / Pallet