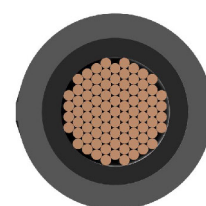


SOLAR PV 1500V DC String Cable - Single Core

PART NUMBER: RC1C6-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 60754, IEC 60811, IEC 61034, IEC 60228, ROHS 2011/65/EU

CABLE CONSTRUCTION

Conductor	Stranded Tinned Copper
Size	6.0mm ²
Stranding	78/0.30 ±0.02mm
Diameter	3.06mm
Insulation	XLPE
Minimum Average Thickness	0.7mm
Color	Black
Jacket	XLPE
Minimum Average Thickness	0.8mm
Color	Black
Diameter	6.1 ±0.15mm

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	≥ 610 MΩ km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 3.39 Ω/km
Maximum Current at 20 °C	70A

OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 8 X OD
Static	≥ 5 X OD
Flammability	IEC 60332-1-2
Working Temperature	-40 ~ +90°C
Cable Light Transmittance	≥ 60%

MARKING

RALOS SOLAR CABLE 1500V DC 1x6mm²  62930 IEC 131 HALOGEN FREE LOW SMOKE FOR DC USE ONLY - DO NOT DISCONNECT UNDER LOAD - 120°C R50545480

PACKING

- xxxx	- 100 (100m Drum)	60 Drums / Pallet
	- 500 (500m Drum)	18 Drums / Pallet
	- 1,000 (1,000m Drum)	8 Drums / Pallet