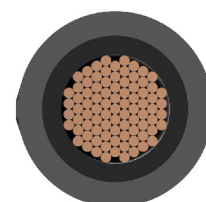


# SOLAR PV 1500V DC String Cable - Single Core

**PART NUMBER: RC1C10-xxx**



## 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

<b>Conductor</b>	Stranded Tinned Copper
Size	10.0mm <sup>2</sup>
Stranding	77/0.40 ±0.02mm
Diameter	4.1mm
<b>Insulation</b>	XLPE
Minimum Average Thickness	0.7mm
Color	Black
<b>Jacket</b>	XLPE
Minimum Average Thickness	0.8mm
Color	Black
Diameter	7.2 ±0.2mm


## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	AC:1000V; DC:Max.1500V
Insulation Resistance at 20 °C	≥ 489 MΩ km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 1.95 Ω/km
Maximum Current at 20 °C	98A

## 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 1x10mm<sup>2</sup>  62930 IEC 131 HALOGEN FREE LOW SMOKE FOR DC USE ONLY - DO NOT DISCONNECT UNDER LOAD - 120°C R50545480

## PACKING

- xxx    - 500 (500m Drum)                      8 Drums / Pallet

*This datasheet may be subject to change without notification.*