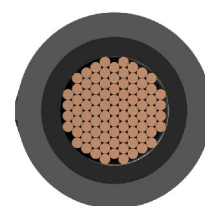


# SOLAR PV 1500V DC String Cable - Single Core

**PART NUMBER: RC1C35-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

<b>Conductor</b>	Stranded Tinned Copper
Size	35.0mm <sup>2</sup>
Stranding	276/0.40 ±0.02mm
Diameter	8.1mm
<b>Insulation</b>	XLPE
Minimum Average Thickness	0.9mm
Color	Black
<b>Jacket</b>	XLPE
Minimum Average Thickness	1.1mm
Color	Black
Diameter	12.3 ±0.6mm

*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	≥ 335 MΩ km
Voltage Withstand	6500 VAC
Conductor DC Resistance	≤ 0.565 Ω/km
Maximum Current at 20 °C	215A

## OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 5 X OD
Static	≥ 4 X OD
Flammability	IEC 60332-1-2
Working Temperature	-40 ~ +90°C
Cable Light Transmittance	≥ 60%

## MARKING

RALOS SOLAR CABLE 1500V DC 1x35mm<sup>2</sup>  62930 IEC 131 HALOGEN FREE LOW SMOKE FOR DC USE ONLY - DO NOT DISCONNECT UNDER LOAD - 120°C R50545480

## PACKING

-xxxx	- 500 (500m Drum)	4 Drums / Pallet
	- 1,000 (1,000m Drum)	2 Drums / Pallet