



Single core cables, for photovoltaic and solar system use, elastomeric compound insulated and sheathed.  
Flame retardant, halogen free and low smoke flexible cables for fixed laying, lifetime testing 20.000 h/120°C

## Characteristics:

Applications : Cable suitable for the interconnection of the various elements of photovoltaic systems  
Suitable for fixed installation outside and inside without protection or inside pipes, ducts or similar closed systems

High resistance against Ozone, U V rays, oils, moistured and weather inclemencies

Suitable for use at an ambient temperature up to 90°C (120°C overland) and tested according to:

TUV-Rheinland 2 pfg 1169/08.2007 standard

The estimated lifetime of these cables is at least 25 years

Sheath colour	: Black, red
Operating temperature	: -40°C ÷ 90°C on the conductor
Overload temperature	: 120°C on the conductor
Expected lifetime	: > 25 Years
Rated voltage	: 1,800 V dc
Maximum temperature in case of short circuit	: 250°C on the conductor (maximum duration 5 s)
Minimum bending radius	: 4 × outer diameter of the cable
Minimum installation temperature	: -25°C
Maximum laying stress during installation	: 50 N / mm <sup>2</sup>

## Dimension Table

Size	Max. Ø of Copper Wires	Insulation Thickness	Sheath Thickness	Outer Diameter	Max. Cond. Resistance at 20°C	Indicative Cable weight
mm <sup>2</sup>	mm	mm	mm	mm	ohms / km	kg / km
1 × 4	031	0.7	0.8	5.5	5.09	62
1 × 6			0.9	6.3	3.39	85
1 × 10	0,41		1	7.5	1.95	135
1 × 16			8.5	1.24	200	

## Part Number Table

Description	Part Number
Cable, Solar, Black, 4 mm, 100 M	CS0001A100
Cable, Solar, Black, 6 mm, 100 M	CS0002A100



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