

# SOLAR CABLE

## (HALOGEN FREE PV CABLE)



### Applications

These cables are intended for use in outdoor applications for the connection between the solar cells and from the solar cells to the inverter or DC main cable. These cables can be also used indoor for fixed installation. The materials are flame retardant, halogen-free, low smoke and they are also safe in case of fire.

### Technical data

- Rated voltage U0/U
- 0,6/1 kV AC
- Rated voltage
- 0,9/1,8 kV DC
- Max. Temperature at conductor +120 °C
- Ambient temperature
- 40/+90 °C
- Test voltage
- 6,5 kV AC
- 15 kV DC
- Minimum bending radius
- Moved application 6 x cable Ø
- Fixed installation 4 x cable Ø

### Cable structure

- Conductor                      Fine stranded, Tinned copper conductor
- Insulation                        Special cross linked halogen free compound, 120°C
- Core Identification            Black or Natural colour
- Outer Sheath                    Special cross linked halogen free compound
- Colour                              Black, Red, Blue

### Applied tests

- Flame retardancy                      IEC 60332-1-2
- Halogen-free                              EN 50267-2
- Ozone Resistance                        EN 50396
- UV Resistance                            HD 605/A1

Cross-Section (mm <sup>2</sup> )	Cable Outer Diameter approx. (mm)	Copper Factor (kg/km)	Cable Weight Approx. (kg/km)	Max. Conductor resistance (Ω/km)
1,5	3,90	14,4	27	13,7
2,5	4,35	24	37	8,21
4	4,90	38,4	53	5,09
6	5,50	58	72	3,39
10	6,70	96	118	1,95
16	8,30	154	180	1,24