

Solar cables



Cable structure

- Stranded bare copper conductor (tinned conductor on request) according to DIN VDE 0295 and IEC 60228 cl. 5
- Core insulation on based rubber EI3 according to DIN VDE 0282 part 1
- Polyester foil
- Sheath based on rubber EM8 according to 0282 part 2
- Self-extinguishing and flame resistant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1
- Low corrosiveness of combustion gases according to DIN VDE 0482 part 267-2-2/BS6425PT2/EN 50267-2-2/IEC 60754-2
- Ozone resistance according to DIN VDE 0282 part 2 and EN 60811-2-1
- Oil resistance according to DIN VDE 0473 part 811-2-1
- UV resistance and halogen-free

Technical data

- Cable insulation of special halogen-free compound on based rubber according to DIN VDE 0282 part 1 and 2
- **Temperature range** from -40 °C to +90 °C
- **Max. conductor temperature** +110 °C
- **Nominal voltage** U₀/U AC 0,6/1 kV DC 0,9/1,5 kV
- **Test voltage a.c.** 3000 V
- **Minimum bending radius** fixed from 3× cable diameter flexing from 5× cable diameter

Application

This cable is special designed for connection of solar panels. Resistant against ozone, UV resistance, and weather influences. The cable is unsuitable for direct burial underground.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC

Conforms to RoHS.

Other types of solar cables for example with TPE or PUR insulation are available on request.

Ordering code	Number of cores × core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0703911	1 × 2,5	6,0	24	52
0703921	1 × 4	7,2	38	72
0703931	1 × 6	7,8	58	105

Ordering code	Number of cores × core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0703941	1 × 10	8,9	96	200
0703951	1 × 16	9,9	154	280