

# SOLARICS XL1

Solar cable, halogen-free, max. temperature on conductor: +90°C

## DESIGN



- 1 | Tinned copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
- 2 | Core insulation of special compound based on polyolefines
- 3 | Outer sheath of special halogen-free, flame retardant compound based on cross-linked polymer (XLPE)

## APPLICATION

Our solar cable SOLARICS XL1 insulated with a special compound based on polyolefines and sheathed with special cross-linked polymer compound is used for interconnection of solar panels as well as for the connection of modules to AC/DC inverters. UV resistance and absence of halogens complete the requirements and allow to use the cable in indoor and outdoor applications.

## TECHNICAL DATA



**Standard:**  
TS ICS 05-2009



**Rated voltage:**  
AC: 0.6/1 kV (U<sub>0</sub>/U)  
DC: 0.9/1.8 kV (U<sub>0</sub>/U)



**Test voltage:**  
6500 V



**Temperature range:**  
operating temperature: -40 °C up to 90 °C  
conductor temperature: max. 90 °C  
short circuit temperature: max. 200 °C/5 s



**Bending radius (min.):**  
fixed installation: 4 x Ø of cable  
flexible use: 15 x Ø of cable



**Core identification:**  
black, blue, red and others in accordance with customer request



**Fire properties:**  
EN 60332-1-2: self-extinguishing and flame retardant

Number of cores x nominal cross-section (mm <sup>2</sup> )	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
<b>SOLARICS XL1</b>			
1 x 1.5	4.6	14.4	38
1 x 2.5	5.0	24.0	50
1 x 4	5.6	38.4	65
1 x 6	6.4	57.6	88
1 x 10	7.6	96.0	138
1 x 16	8.6	153.6	194

Technical changes reserved. All figures are therefore without guarantee.

14.1.2022, 15:35