

SOLARICS XL2

Solar cable, halogen-free, max. temperature on conductor: +120°C

DESIGN



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

APPLICATION

Our solar cable SOLARICS XL2 insulated and sheathed with special cross-linked polymer compounds 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 (U₀/U)
DC: 0.9/1.8 kV (U₀/U)



Test voltage:
6500 V



Temperature range:
operating temperature: -40 °C up to 90 °C
conductor temperature: max. 120 °C
short circuit temperature: max. 250 °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 ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
SOLARICS XL2			
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.

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