



ÖLFLEX® SOLAR AL FLEX

LAPP KABEL STUÏGART ÖLFLEX® SOLAR AL FLEX DC 1500 V 1 X 10 SQ MM <CU 1 X 6 SQ MM>

Benefits

- Less expensive alternative compared to copper conductor
- Easy installation due to light weight aluminum conductor
- Flexible aluminum conductors (class 5 grade) for high workability.
- Insulation and sheath compounds meeting EN 506 18 standard. High durability due to high insulation resistance and thermal stability.

Application range

- For cabling between solar modules and as extension cable between module strings
- Gable and flat roof photovoltaic systems
- Photovoltaic plants and solar parks

Product features

- Weathering/UV-resistance according to HD 605/A1. Ozone resistance according to EN 50396

- Flame retardant according to IEC 60332-1-2
- Halogen free according to EN 50267-2-1/-2 & EN 60684-2
- Acid and alkaline resistance according to EN 608 11-2-1
- Low smoke density according to EN 6 1034-2

Norm references / Approvals

- Cable design according to EN 506 18
- Conductor design according to ISO 6722-2-B & IEC 60228

Product Make-up

- Conductor: Fine-wire strands of aluminum
- Core insulation: Electron beam cross-linked Polyolefin (XLPO)
- Core colour: White
- Outer sheath : Electron beam cross-linked Polyolefin (XLPO)
- Outer sheath colour: Black & Black with red or blue stripe

Info

- Fine-wired aluminum conductor according to ISO 6722, IEC 60228 Class 5.
- Lightweight and economical solar cable.

Technical data



Conductor stranding

Fine-wire strands of aluminum
 Conductor design acc. to ISO 6722-2-B
 Resistance acc. to IEC 60228 Cl.5



Minimum bending radius

Fixed installation: 5 x cable diameter



Nominal voltage

DC 1500 V



Temperature range

Fixed installation: -40 °C up to +120°C
 max. conductor temperature

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SOLAR AL FLEX				
Core insulation: white / Outer sheath: black				
85 120 100	1 X 4	5.6	12.0	39
85 120 101	1 X 6	6.2	18.0	49
85 120 102	1 X 10	7.2	29.0	67
Core insulation: white / Outer sheath: black with red stripe				
85 120 103	1 X 4	5.6	12.0	39
85 120 104	1 X 6	6.2	18.0	49
85 120 105	1 X 10	7.2	29.0	67
Core insulation: white / Outer sheath: black with blue stripe				
85 120 106	1 X 4	5.6	12.0	39
85 120 107	1 X 6	6.2	18.0	49
85 120 108	1 X 10	7.2	29.0	67

- If not otherwise specified, all values relating to the product are nominal values. Other value information, such as tolerances, for example, can be obtained on request where available and released for publishing.
- Photographs are not to scale and do not represent detailed images of the respective products.