

HARNESS THE POWER OF SOLAR

ÖLFLEX® SOLAR AL FLEX

Designed for Photovoltaic Installations

NEW



Introducing ÖLFLEX® SOLAR AL FLEX Lightweight & Practical Cabling Solution

ÖLFLEX® SOLAR AL FLEX is a new innovation from Lapp Group that is lightweight and versatile. The TÜV-tested cables provide exceptional performance plus long-term reliability, for use in photovoltaic systems, solar parks and more. The Class-5 grade certified cable also ensures enhanced worker safety during both installation and maintenance, for greater peace-of-mind.

Safe & Versatile

Excellent Workability

Flexible and lightweight aluminium conductor is easier to handle and ideal for weight-sensitive applications such as rooftop installations.

Durable

Long-term Reliability

Aluminium material exhibits high thermal stability and improved insulation resistance over copper, for enhanced performance.

Cost-effective

Economical Performance

More price-friendly than copper-based conductors so you can enjoy better cost efficiency and reduced maintenance costs.



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EXPERIENCE

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LAPP GROUP



ÖLFLEX® SOLAR AL FLEX

Solar Cable

ÖLFLEX® SOLAR AL FLEX 1X10MM² WH/BK

ÖLFLEX® SOLAR AL FLEX 1X10MM² BK-RD

Product Features

- High weathering & UV-resistance
- High thermal stability
- Halogen-free and flame-resistant
- Acid and alkaline resistance
- Low smoke density






Benefits

- Applied to aluminium conductor, which is less expensive than copper conductor
- Easy installation due to lightweight aluminium conductor than copper conductor
- Flexible aluminium conductors (class 5 grade) for high workability
- Use of insulation & sheath compound meeting EN50618, the new TÜV certification standard
- High durability due to high insulation resistance and thermal stability

Application Range

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

TECHNICAL DATA

-  **Conductor stranding**
Fine wire strands of aluminium conductor
According to ISO 6722-2-B
-  **Minimum bending radius**
Fixed installation:
5 x cable diameter
-  **Rated voltage**
DC U₀ : 1500 V
-  **Test voltage**
AC 6500 V
-  **Range of temperature**
Fixed installation:
-40° C up to +120 °C
Max. conductor temperature

Article Number	Conductor Cross-Section (mm ²)	Outer Diameter (mm)	Conductor Weight (kg/km)	Weight (kg/km)
Core Insulation: White / Outer Sheath: Black				
0023177A-	4	5.6	12	39.31
0023178C-	6	6.2	18	49.30
0023179A-	10	7.2	29	66.96
Core Insulation: White / Outer Sheath: Black with Red Stripe				
0023361A-	4	5.6	12	39.31
0023362A-	6	6.2	18	49.30
0023363A-	10	7.2	29	66.96
Core Insulation: White / Outer Sheath: Black with Blue Stripe				
0023371A-	4	5.6	12	39.31
0023372A-	6	6.2	18	49.30
0023373A-	10	7.2	29	66.96

Note: Photographs are not to scale and do not represent detailed images of the respective products.