



## ÖLFLEX® SOLAR XLWP

Electron beam cross-linked solar cables with optimized performance in water - EN 50618 type

**i Info**

- Optimised cable design - constant high volume resistance even after long-term period in water
- H1Z2Z2-K (type according to EN 50618)
- Substitutes previous ÖLFLEX® SOLAR XLR WP



### Benefits

- The alternative for long-term storage in water, e.g. as it can occur in case after flooding or in buried conduits
- Reduction of flame propagation and of toxic combustion gases in the event of fire
- Robust against mechanical impacts
- Extruded colour stripe serves as reverse polarity protection during installation.
- Exact quantity control during installation by meter marking on the cable sheath

### Application range

- For underground installation in conduits, in which water, heat and moisture can accumulate
- For floating PV / canal top installations where cables are in contact with water or exposed to high humidity (see data sheet for more details)
- Gable and flat roof photovoltaic systems
- Photovoltaic plants and solar parks
- Suitable for direct burial: see data sheet

### Product features

- Weather/UV-resistant acc. to EN 50618, appendix E
- Ozone-resistant according to EN 50396
- Halogen-free and flame-retardant
- Good notch and abrasion resistance
- XLWP = X-Linked Water-Proof Proven electron beam cross-linked quality

### Norm references / Approvals

- H1Z2Z2-K (type according to EN 50618)
- Items with other cross-sections on request

### Product Make-up

- Fine-wire, tinned-copper conductor
- Core insulation made of electron beam cross-linked copolymer
- Colour of core insulation: white
- Outer sheath made of electron beam cross-linked copolymer
- Outer sheath colour: black respectively black with red stripe

### Technical data

- Classification ETIM 5/6**  
ETIM 5.0/6.0 Class-ID: EC001578  
ETIM 5.0/6.0 Class-Description: Flexible cable
- Conductor stranding**  
Fine wire according to VDE 0295, class 5/IEC 60228 class 5
- Minimum bending radius**  
Fixed installation: 4 x outer diameter
- Nominal voltage**  
AC U<sub>0</sub>/U : 1,0/1,0 kV  
DC U<sub>0</sub>/U : 1,5/1,5 kV  
Max. permissible operating voltage: DC 1,8 kV
- Test voltage**  
AC 6500 V
- Current rating**  
Im compliance with EN 50618, Table A.3
- Temperature range**  
-40°C to +120°C max. conductor temperature based on EN 60216-1  
Ambient temperature range according to EN 50618: -40°C to +90°C

Article number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® SOLAR XLWP</b>				
<b>Core insulation: white / Outer sheath: black</b>				
1023601	4	5.8	38.4	68.1
1023602	6	6.4	57.6	91.6
1023603	10	7.6	96	138.6
1023604	16	9.1	153.6	209.7
<b>Core insulation: white / Outer sheath: black with red stripe</b>				
1023621	4	5.8	38.4	68.1
1023622	6	6.4	57.6	91.6
1023623	10	7.6	96	138.6
1023624	16	9.1	153.6	209.7

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.  
Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)  
Packaging size: Coil 100 m; Drum (500; 1000) m  
Photographs and graphics are not to scale and do not represent detailed images of the respective products.

### Accessories

- Cable shears with double edge refer to page 980
- EPIC® SOLAR 4 M refer to page 673
- EPIC® SOLAR 4 F refer to page 673
- UNIVERSAL STRIP stripping tool refer to page 990
- KS 20 cable shears