



## ÖLFLEX® SOLAR XLS-R

Electron beam cross-linked solar cables with reduced outer diameters



**Info**

- Optimised cable design - thin, light and robust
- New version with coloured stripe

### Benefits

- Reduced outer diameters enable space and weight saving installation
- Robust against mechanical impacts
- Reduction of flame propagation and of toxic combustion gases in the event of fire
- 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 the cabling between the solar modules and as extension cable between the module strings and the DC/AC inverter
- Gable and flat roof photovoltaic systems
- Photovoltaic plants and solar parks
- Flexible or building-integrated PV systems

### Product features

- Weather/UV-resistant acc. to HD 605/A1
- Ozone-resistant according to EN 50396
- Halogen-free and flame-retardant
- Good notch and abrasion resistance
- XLS-R = X-Linked Standard - Reduced Proven electron beam cross-linked quality

### 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 or blue stripe

### Technical data

**Classification**  
ETIM 5.0 Class-ID: EC001578  
ETIM 5.0 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  $U_0/U$  : 600/1000 V  
DC  $U_0/U$  : 900/1500 V  
Max. permissible operating voltage: DC 1,8 kV (Conductor-conductor, non earthed system)

**Test voltage**  
AC 6500 V

**Temperature range**  
Fixed installation: -40°C to +100°C max. conductor temperature

Article number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® SOLAR XLS-R</b>				
<b>Core insulation: white / Outer sheath: black</b>				
0023100	1.5	4.4	14.4	34
0023136	2.5	4.8	24.0	46
0023137	4.0	5.2	38.4	63
0023138	6.0	5.8	57.6	86
0023104	10.0	7.0	96.0	132
0023105	16.0	8.3	153.6	197
<b>Core insulation: white / Outer sheath: black with red stripe</b>				
0023390	2.5	4.8	24.0	46
0023391	4.0	5.2	38.4	63
0023392	6.0	5.8	57.6	86
0023393	10.0	7.0	96.0	132
0023394	16.0	8.3	153.6	197
<b>Core insulation: white / Outer sheath: black with blue stripe</b>				
0023395	2.5	4.8	24.0	46
0023396	4.0	5.2	38.4	63
0023397	6.0	5.8	57.6	86
0023398	10.0	7.0	96.0	132
0023399	16.0	8.3	153.6	197

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.

### Similar products

- ÖLFLEX® SOLAR XLR-R refer to page 138

### Accessories

- EPIC® SOLAR 4 Thin M pre-assembled refer to page 646
- UNIVERSAL STRIP stripping and cutting tool refer to page 910
- KS 20 cable shears refer to page 908
- EPIC® SOLAR 4 THIN F pre-assembled refer to page 646