

## ÖLFLEX® SOLAR XLR-R

Electron beam cross-linked solar cables with reduced diameters - TÜV type approved

ÖLFLEX® SOLAR XLR-R - electron beam cross-linked solar cable type PV1-F according to 2 PfG 1169/08.07 for durable and weather proof use in photovoltaic systems

### Info

Product phase out -

Will be substituted by H1Z2Z2-K due to new standard EN 50618;

Availability is subject to prior confirmation by local sales office

TÜV Type PV1-F (2 PfG 1169/08.2007)



UV-resistant



Temperature-resistant



Halogen-free



Solar Energy



Suitable for outdoor use



Cold-resistant

## ÖLFLEX® SOLAR XLR-R

### Benefits

Reduced outer diameters enable space and weight saving installation  
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 the cabling between the solar modules and as extension cable between the module strings and the DC/AC inverter  
Flexible or building-integrated PV systems  
Not suitable for direct burial, Installation according to IEC 60364-5-52, respectively HD 60364-5-52

### 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  
XLR-R = X-Linked Radiated-Reduced  
Proven electron beam cross-linked quality  
Version without colour stripe for size up to 300mm<sup>2</sup> on request

### Norm references / Approvals

PV1-F (TÜV type approved according to  
2 PfG 1169/08.2007)

### 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:	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 <sub>0</sub> /U : 600/1000 V DC U <sub>0</sub> /U : 900/1500 V Max. permissible operating voltage: DC 1,8 kV (Conductor-conductor, non earthed system)
Test voltage:	AC 6500 V
Current rating:	In compliance with TÜV 2 PfG 1169/08.2007 table 1
Temperature range:	-40°C to +120°C max. conductor temperature based on EN 60216-1 Ambient temperature according to TÜV 2 PfG 1169/08.07: -40°C to +90°C

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**Note**

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.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
0023175	1.5	4.4	14.4	34
0023176	2.5	4.8	24	46
0023177	4	5.2	38.4	63
0023179	10	7	96	132
0023180	16	8.3	153.6	197
Core insulation: white / Outer sheath: black with red stripe				
0023360	2.5	4.8	24	46
0023361	4	5.2	38.4	63
0023363	10	7	96	132
0023364	16	8.3	153.6	197
Core insulation: white / Outer sheath: black with blue stripe				
0023370	2.5	4.8	24	46
0023371	4	5.2	38.4	63
0023373	10	7	96	132
0023374	16	8.3	153.6	197

Last Update (24.04.2018)

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 Product Management [www.lappkabel.de](http://www.lappkabel.de)

 You can find the current technical data in the corresponding data sheet.  
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