


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® SOLAR XLS-R</b>	29.10.2012

Electron beam cross-linked solar cables with reduced outer diameters  
 Reduced outer diameters enable space and weight saving installation  
 Robust against mechanical impacts  
 Reduction of flame propagation as well as of toxic combustion gases in the event of fire  
 Colour-coding of the core insulation simplifies the differentiation of the polarity during installation  
 Exact quantity control during installation by meter marking on the cable sheath



### Info

Optimised cable design - thin, light and robust  
 Substitutes version XLS

### Application range

For the cabling between the solar modules and as an extension cable between the individual module strings or DC/AC inverter  
 Gable and flat roof photovoltaic systems  
 Photovoltaic plants and solar parks  
 Flexible or building-integrated photovoltaic systems

### Design

Conductor: fine-wire tinned-copper strands  
 Core insulation: electron beam cross-linked copolymer  
 Colour of core insulation: white, red or blue  
 Outer sheath: electron beam cross-linked copolymer  
 Outer sheath colour: black

### Approvals (Norm references)

Flame-retardant according to IEC 60332-1-2  
 Halogen-free according to EN 50267-2-1/-2  
 Ozone-resistant according to EN 50396  
 Weather/UV-resistant acc. to HD 605/A1  
 Acid and alkali-resistant acc. EN 60811-2-1

### Product features

Good weather and UV-resistance  
 Good heat pressure resistance  
 Halogen-free and flame-retardant  
 XLS-R = X-Linked Standard - Reduced Proven electron beam cross-linked quality  
 Red and blue outer sheaths are also available upon request

### Remark

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 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.

Product Management	Document: LAPP_PRO205380BL.pdf	1 / 3
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**Technical Data**

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

Product Management	Document: LAPP_PRO205380BL.pdf	2 / 3
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Part number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SOLAR XLS-R Core insulation: white / Outer sheath: black				
0023100	1,5	4.4	14.4	34
0023136	2,5	4.8	24.0	46
0023137	4	5.2	38.4	63
0023138	6	5.8	57.6	86
0023104	10	7.0	96.0	132
0023105	16	8.3	153.6	197
Core insulation: red / Outer sheath: black				
0023139	1,5	4.4	14.4	34
0023141	2,5	4.8	24.0	46
0023142	4	5.2	38.4	63
0023114	6	5.8	57.6	86
0023115	10	7.0	96.0	132
0023116	16	8.3	153.6	197
Core insulation: blue / Outer sheath: black				
0023117	1,5	4.4	14.4	34
0023118	2,5	4.8	24.0	46
0023119	4	5.2	38.4	63
0023120	6	5.8	57.6	86
0023143	10	7.0	96.0	132
0023144	16	8.3	153.6	197