


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SOLAR XLS-R	07.11.2014

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 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



Suitable for outdoor use



Halogen-free



Cold-resistant



Solar Energy



UV-resistant

Info

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


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 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

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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

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100 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 Packaging size: Coil 100 m; Drum (500; 1000) m Photographs are not to scale and do not represent detailed images of the respective products.

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

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Part number	Conductor cross-section (mm ²)	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: white / Outer sheath: black with red stripe				
0023390	2,5	4.8	24.0	46
0023391	4	5.2	38.4	63
0023392	6	5.8	57.6	86
0023393	10	7.0	96.0	132
0023394	16	8.3	153.6	197
Core insulation: white / Outer sheath: black with blue stripe				
0023395	2,5	4.8	24.0	46
0023396	4	5.2	38.4	63
0023397	6	5.8	57.6	86
0023398	10	7.0	96.0	132
0023399	16	8.3	153.6	197