

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SOLAR XLS-R T	29.11.2013

Electron beam cross-linked solar twin-cables - separable
Easy to split into two separate cables
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
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
Time-saving installation
Ideal for stand-alone PV power systems

Application range

Ideal for stand-alone PV power systems
Gable and flat roof photovoltaic systems
Photovoltaic plants and solar parks
Flexible or building-integrated PV systems


Design

Fine-wire, tinned-copper conductor
Core insulation made of electron beam cross-linked copolymer
Outer sheath made of electron beam cross-linked copolymer
Outer sheath colour: black
Cores connected in parallel with a separating strip

Norm references / Approvals

Also available as TÜV PV1-F approved version upon request

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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 T= X-Linked Standard-Reduced TwinProven 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 150/100kg. 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

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

Core identification code:	black / red blue / red
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 B
Temperature range:	Fixed installation: -40°C to +100°C max. conductor temperature

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Part number	Number of cores and mm ² per conductor	Outer dimensions/ width x height (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SOLAR XLS-R TCore insulation: red / black				
0023982	2 X 2,5	9,9 x 4,8	48.0	94
0023984	2 X 4	10,7 x 5,2	76.8	128
0023986	2 X 6	11,9 x 5,8	115.2	174
0023988	2 X 10	14,3 x 7	192.0	267
Core insulation: red / blue				
0023983	2 X 2,5	9,9 x 4,8	48.0	94
0023985	2 X 4	10,7 x 5,2	76.8	128
0023987	2 X 6	11,9 x 5,8	115.2	174
0023989	2 X 10	14,3 x 7	192.0	267