


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® SOLAR XLS-R T</b>	07.11.2014

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

### Product Make-up

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

Product Management	Document: LAPP_PRO205977EN.pdf	1 / 3
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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 Twin  
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](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.

### 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 <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_PRO205977EN.pdf	2 / 3
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Part number	Number of cores and mm <sup>2</sup> 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