


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

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



Suitable for outdoor use



Halogen-free



Cold-resistant



Solar Energy



Temperature-resistant



UV-resistant

Info

Optimised cable design - thin, light and robust
 TÜV Type approved (2PfG 1169/08.07) According to DKE specification PV1-F
 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

Design

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

Product Management	Document: LAPP_PRO206570EN.pdf	1 / 3
--------------------	--------------------------------	-------

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

Norm references / Approvals

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

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

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

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
Current rating:	In compliance with TÜV requirements spec. 2 PFG 1169/08.2007 table 1
Temperature range:	-40°C to +120°C max. conductor temperature based on EN 60216-1 Ambient temperature range according to TÜV 2 PFG 1169/08.07: -40°C to +90°C

Product Management	Document: LAPP_PRO206570EN.pdf	2 / 3
--------------------	--------------------------------	-------

ÖLFLEX® SOLAR XLR-R

29.11.2013

Part number	Conductor cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SOLAR XLR-R Core insulation: white / Outer sheath: black				
0023175	1,5	4.4	14.4	34
0023176	2,5	4.8	24.0	46
0023177	4	5.2	38.4	63
0023178	6	5.8	57.6	86
0023179	10	7.0	96.0	132
0023180	16	8.3	153.6	197
Core insulation: white / Outer sheath: black with red stripe				
0023360	2,5	4.8	24.0	46
0023361	4	5.2	38.4	63
0023362	6	5.8	57.6	86
0023363	10	7.0	96.0	132
0023364	16	8.3	153.6	197
Core insulation: white / Outer sheath: black with blue stripe				
0023370	2,5	4.8	24.0	46
0023371	4	5.2	38.4	63
0023372	6	5.8	57.6	86
0023373	10	7.0	96.0	132
0023374	16	8.3	153.6	197