


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SOLAR XLSv	12.09.2012

Robust solar cables with large conductor cross-sections
Reinforced outer sheath gives enhanced protection against mechanical stress
High thermal capacity for long-lasting operation of the PV system in all seasons
Reduction of flame propagation as well as of toxic combustion gases in the event of fire
For outdoor use, and if the general installation guidelines are followed, this is also suitable for direct burial
Exact quantity control during installation by meter marking on the cable sheath



Info

Reinforced outer sheath design
For high electrical power loads
Suitable for direct burial

Application range

Large conductor cross sections are used as a collecting main to transmit high power loads between the individual panel strings and as connection to the DC/AC inverter of large PV plants and solar fields
For connecting individual module strings, as well as for fixed solar generators and moving tracking systems

Design

Conductor: fine-wire tinned-copper strands
Core insulation: electron beam cross-linked copolymer
Outer sheath: electron beam cross-linked copolymer
Outer sheath colour: black

Approvals (Norm references)

Weather/UV-resistant acc. to HD 605/A1
Flame-retardant according to IEC 60332-1-2
Halogen-free according to IEC 60754-1
Ozone-resistant according to EN 50396
Acid and alkali-resistant acc. EN 60811-2-1


Product features

Good weather, abrasion, temperature and UV-resistance
Good heat pressure resistance
Halogen-free and flame-retardant
XLS - X-Linked Standard 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 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: Drum
Photographs are not to scale and do not represent detailed images of the respective products.
On request and under consideration of the economic minimum lengths, we produce versions with larger conductor cross sections, or with red or blue core insulation, or an imprinted code stripe on the black outer sheath as distinctive feature

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Technical Data

Core identification code:	Colour: black (RAL 9005)
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 (mm²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0027110	4	8.0	38.4	104
0027111	6	9.1	57.6	141
0027112	10	10.5	96.0	201
0027113	16	11.9	153.6	280
0027114	25	13.2	240.0	386
0027115	35	14.5	336.0	502
0027116	50	17.7	480.0	698
0027117	70	19.7	672.0	921