

ÖLFLEX® SOLAR XLS-R

Electron beam cross-linked solar cables with reduced outer diameters

ÖLFLEX® SOLAR XLS-R - halogen-free electron beam cross-linked solar cable for durable and weather-resistant use in photovoltaic systems

Info

Optimised cable design -
thin, light and robust



UV-resistant



Halogen-free



Solar Energy



Suitable for outdoor use



Cold-resistant

Benefits

Reduced outer diameters enable space- and weight-saving installation

Robust against mechanical impacts

Reduction of flame propagation and of toxic 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

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Application range

For the cabling solar modules and for connecting the module series with the inverter
Gable and flat roof photovoltaic systems
Photovoltaic and solar parks
Flexible or building-integrated PV systems
Not suitable for direct burial, installation according to IEC 60364-5-52 or HD 60364-5-52

Product features

Weather-/UV-resistant according 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

Design

Fine-wire, tin-plated copper conductor
Core insulation made of electron beam cross-linked copolymer
Core colour: white
Outer sheath made of electron beam cross-linked copolymer
Outer sheath colour: black or black with red or blue stripe

Technical Data

Classification:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Conductor design:	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

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring 100 m; drum (500; 1000) m

Photographs are not to scale and do not represent detailed images of the respective products.

* Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Conductor cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
Core insulation: white / outer sheath: black				
0023136	2.5	4.8	24	46
0023137	4	5.2	38.4	63
0023138	6	5.8	57.6	86
0023104	10	7	96	132
0023105	16	8.3	153.6	197
Core insulation: white / outer sheath: black with red stripe				
0023390	2.5	4.8	24	46
0023391	4	5.2	38.4	63
0023392	6	5.8	57.6	86
0023393	10	7	96	132
0023394	16	8.3	153.6	197
Core insulation: white / outer sheath: black with blue stripe				
0023395	2.5	4.8	24	46
0023396	4	5.2	38.4	63
0023397	6	5.8	57.6	86
0023398	10	7	96	132
0023399	16	8.3	153.6	197

Last Update (06.03.2017)

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Product Management www.lappkabel.deYou can find the current technical data in the corresponding data sheet.
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