

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 proof 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 combustion 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

ÖLFLEX® SOLAR XLS-R

Application range

For the cabling between the solar modules and as extension cable between the module strings and the DC/AC inverter
Flexible or building-integrated PV systems
Not suitable for direct burial, Installation according to IEC 60364-5-52, respectively HD 60364-5-52

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 = X-Linked Standard - Reduced
Proven electron beam cross-linked quality

Product Make-up

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

Technical Data

| | |
|-------------------------|--|
| Classification ETIM 5: | 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 V |
| Temperature range: | Fixed installation: -40°C to +100°C max. conductor temperature |

Note

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

Packaging size: Coil 100 m; Drum (500; 1000) m

Photographs and graphics 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.

ÖLFLEX® SOLAR XLS-R

| 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 (29.06.2018)

©2018 Lapp Group - Technical changes reserved

 Product Management www.lappkabel.de

 You can find the current technical data in the corresponding data sheet.
 PN 0456 / 02_03_16