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| 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

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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

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|-------------------------|---|
| 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 |

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| 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 |