


| | | |
|-------------------|---------------------------------|--|
| U.I. Lapp GmbH | PRODUCT INFORMATION |  |
| | ÖLFLEX® SOLAR XLR-CR11-1 | 05.11.2015 |

Electron beam cross-linked solar cable with a copper screening for the requirements of OVE directive R11-1
 ÖLFLEX® SOLAR XLR-CR11-1 - Electron beam cross-linked screened Solar cable for applications in photovoltaic systems for the requirements of OVE directive R11-1



Suitable for outdoor use



Single halogen-free cable



Cold-resistant



Solar Energy



Interference signals



Temperature-resistant



UV-resistant

Info

Meets the requirements of OVE directive R11-1, edition 2013-03-01

Application range

Screened DC cable for solar applications

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

Flexible or building-integrated PV systems

Benefits


Meets the requirements of OVE directive

R11-1, edition 2013-03-01

Reduction of flame propagation and of toxic combustion gases in the event of fire

Robust against mechanical impacts

| | | |
|--------------------|--------------------------------|-------|
| Product Management | Document: LAPP_PRO260269EN.pdf | 1 / 3 |
|--------------------|--------------------------------|-------|

| | | |
|----------------|---------------------------------|--|
| U.I. Lapp GmbH | PRODUCT INFORMATION |  |
| | ÖLFLEX® SOLAR XLR-CR11-1 | 05.11.2015 |

Product Make-up

Fine-wire, tinned-copper conductor
Core insulation made of electron beam cross-linked copolymer
Colour of core insulation: white
Tinned-copper braiding
Outer sheath made of electron beam cross-linked copolymer
Outer sheath colour: black

Norm references / Approvals

Based on TÜV specification
2 PfG 1169/08.2007

Product features

Minimum cross section of the screening corresponds to the conductor cross section taking into account the conductivity
conductivity screen \geq conductivity conductor
Weather/UV-resistant acc. to HD 605/A1
Ozone-resistant according to EN 50396
Halogen-free and flame-retardant
Good notch and abrasion resistance

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

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

| | | |
|--------------------|--------------------------------|-------|
| Product Management | Document: LAPP_PRO260269EN.pdf | 2 / 3 |
|--------------------|--------------------------------|-------|



ÖLFLEX® SOLAR XLR-CR11-1

05.11.2015

| Part number | Article designation | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|-------------|---|---------------------|----------------------|----------------|
| 1023539 | ÖLFLEX® SOLAR XLR-CR11-1 1x6/6 BK/BK | 10.2 | 122.77 | 194 |