

ÖLFLEX® SOLAR XLR-CR11-1

Electron beam cross-linked solar cable with shielding for the requirements of OVE directive R11-1

ÖLFLEX® SOLAR XLR-CR11-1 - electron beam cross-linked shielded solar cable for use in photovoltaic systems, for the requirements of the OVE directive R11-1

Info

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



CE



UV-resistant



Temperature-resistant



Interference signals



Halogen-free



Solar Energy



Suitable for outdoor use



Cold-resistant

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Benefits

Meets the requirements of OVE directive
R11-1, edition 2013-03-01
Reduction of flame propagation and of toxic gases in the event of fire
Robust against mechanical impacts

Application range

For installation as a DC solar cable with shielding
For the cabling solar modules and for connecting the module series with the inverter
Gable and flat roof photovoltaic systems
Flexible or building-integrated PV systems

Product features

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

Norm references / approvals

Based on TÜV specification
2 PfG 1169/08.2007

Design

Fine-wire, tin-plated copper conductor
Core insulation made of electron beam cross-linked copolymer
Core colour: white
Tin-plated copper braiding
Outer sheath made of electron beam cross-linked copolymer
Sheath colour: Black

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
Current load capacity:	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

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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"

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	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

Last Update (17.05.2017)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

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