NEW

ÖLFLEX® SOLAR XLR-E

Cross-linked solar cables - type H1Z2Z2-K certified according to EN 50618

Info

- H1Z2Z2-K (code designation according to EN 50618)
- Substitudes previous ÖLFLEX® SOLAR XLR-R

Benefits

- Robust against mechanical impacts
- For outdoor applications
- Extruded colour stripe serves as reverse polarity protection during installation.
- Exact quantity control during installation by meter marking on the cable sheath
- Reduction of flame propagation and of toxic combustion gases in the event of fire

Application range

- For use in photovoltaic-systems with rated voltage 1500 V DC
- 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
- Not suitable for direct burial, Installation according to IEC 60364-5-52, respectively HD 60364-5-52

Product features

- Halogen-free and flame-retardant
- Weather/UV-resistant acc. to EN 50618, appendix E
- Ozone-resistant according to EN 50396
- XLR-E = X-Linked Radiated-EN Standard Proven electron beam cross-linked quality

Norm references / Approvals

- H1Z2Z2-K (code designation according to EN 50618)
- Items with other cross-sections on request

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 stripe

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 : 1,0/1,0 kV
DC U_0/U : 1,5/1,5 kV
Max. permissible operating voltage: DC 1,8 kV

Test voltage
AC 6500 V

Current rating
Im compliance with EN 50618, Table A.3

Temperature range
-40°C to +120°C max. conductor temperature based on EN 60216-1
Ambient temperature range according to EN 50618: -40°C to +90°C

Article number	Conductor cross-section (mm²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SOLAR XLR-E				
Core insulation: white / Outer sheath: black				
1023652	4.0	5.4	38.4	66
1023653	6.0	6	57.6	89.4
1023654	10.0	7.2	96	136.3
1023655	16.0	8.4	153.6	207.2
Core insulation: white / Outer sheath: black with red stripe				
1023667	4.0	5.4	38.4	66
1023668	6.0	6	57.6	89.4
1023669	10.0	7.2	96	136.3
1023670	16.0	8.4	153.6	207.2

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

Similar products

- ÖLFLEX® SOLAR XLWP refer to main catalogue 2016/17

Accessories

- EPIC® CRIMPTOOL refer to main catalogue 2016/17
- EPIC® SOLAR 4 M refer to main catalogue 2016/17
- EPIC® SOLAR 4 F refer to main catalogue 2016/17
- KS 20 cable shears refer to page 33