



## ÖLFLEX® SOLAR XLR-E T

Electron beam cross-linked solar twin-cables, separable - EN 50618 type



**i Info**

- Optimised cable design - thin, light and robust
- Time-saving installation
- Ideal for stand-alone PV power systems

### Benefits

- Easy to split into two separate cables
- 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
- Exact quantity control during installation by meter marking on the cable sheath

### Application range

- For use in photovoltaic-systems with rated voltage 1500 V DC
- Ideal for stand-alone PV power systems
- Gable and flat roof photovoltaic systems
- Photovoltaic plants and solar parks
- Flexible or building-integrated PV systems

### Product features

- Weather/UV-resistant acc. to EN 50618, appendix E
- Ozone-resistant according to EN 50396
- Good notch and abrasion resistance
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas)  
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

### Norm references / Approvals

- H1Z2Z2-K (code designation according to EN 50618)

### Product Make-up

- Fine-wire, tinned-copper conductor
- Core insulation made of electron beam cross-linked copolymer
- Outer sheath made of electron beam cross-linked copolymer
- Outer sheath colour: Black
- Cores connected in parallel with a separating strip

### Technical data

- Classification**  
ETIM 5.0 Class-ID: EC001578  
ETIM 5.0 Class-Description: Flexible cable
- Core identification code**  
black / red
- 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	Number of cores and mm <sup>2</sup> per conductor	Outer dimensions, width x height (mm)	Copper index (kg/km)	Weight (kg/km)
<b>Core insulation: red / black</b>				
1023701	2 X 2.5	10.3 x 5.0	48	99
1023702	2 X 4.0	11.1 x 5.4	76.8	134
1023703	2 X 6.0	12.3 x 6.0	115.2	181

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](http://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 XLR-E refer to main catalogue 2016/17

### Accessories

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