



## ÖLFLEX® SOLAR XLR-E T

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



**Info**

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

**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<sub>0</sub>/U : 1,0/1,0 kV  
DC U<sub>0</sub>/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

- 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
  - 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 (type 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

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