

Special applications • Photovoltaic



ÖLFLEX® SOLAR XLR-E

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



Info

- H1Z2Z2-K (type according to EN 50618)

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
- Ozone-resistant according to EN 50396
- XLR-E = X-Linked Radiated-EN Standard Proven electron beam cross-linked quality

Norm references / Approvals

- H1Z2Z2-K (type 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 U₀/U : 1,0/1,0 kV
DC U₀/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 (mm ²)	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	8.7	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	8.7	153.6	207.2