

## H1Z2Z2-K

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

H1Z2Z2-K - cross-linked solar cable according to EN 50618 for durable, weather-resistant use in photovoltaic systems.

### Info

H1Z2Z2-K (type according to EN 50618)

Replaces previous ÖLFLEX® SOLAR XLR-R



UV-resistant



Temperature-resistant



Halogen-free



Solar Energy



Suitable for outdoor use



Cold-resistant

### Benefits

Reduction of flame propagation and of toxic gases in the event of fire

Robust against mechanical impacts

For outdoor applications

## H1Z2Z2-K

### Application range

For use in PV systems with a rated voltage of 1500 V DC  
For the cabling solar modules and for connecting the module series with the inverter  
Gable and flat roof photovoltaic systems  
Photovoltaic and solar parks  
Flexible or building-integrated PV systems

### Product features

Flame-retardant according to IEC 60332-1-2  
Weather-/UV-resistant according 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 acidic gas)  
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

### Norm references / approvals

H1Z2Z2-K (type according to EN 50618)  
Versions with other cross-sections on request

### Design

Fine-wire, tin-plated copper conductor  
Coreinsulation made of cross-linked copolymer  
Core colour: white  
Outer sheath made of cross-linked copolymer  
Sheath colour: black, red or blue

### 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 $U_0/U$ : 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 load capacity:	In 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

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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"

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

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	Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1023552	4	5.8	38.4	62
1023553	6	6.3	57.6	84
1023554	10	7.4	96	126
1023555	16	8.1	153.6	197
1023590	25	10.3	240	270
1023591	35	11.8	336	370
Core insulation: white / outer sheath: red				
1023572	4	5.8	38.4	62
1023573	6	6.3	57.6	84
1023574	10	7.4	96	126
1023575	16	8.1	153.6	197
Core insulation: white / outer sheath: blue				
1023582	4	5.8	38.4	62
1023583	6	6.3	57.6	84
1023584	10	7.4	96	126
1023585	16	8.1	153.6	197

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Product Management [www.lappkabel.de](http://www.lappkabel.de)You can find the current technical data in the corresponding data sheet.  
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