

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 photovoltaik systems

Info

CPR: Article number choice under www.lappkabel.com/cpr

H1Z2Z2-K (type according to EN 50618)

Substitutes 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 combustion gases in the event of fire

Robust against mechanical impacts

For outdoor applications

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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

Flexible or building-integrated PV systems

Product features

Flame retardant acc. to IEC 60332-1-2

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

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Items with other cross-sections on request

Product Make-up

Fine-wire, tinned-copper conductor

Coreinsulation made of cross-linked copolymer

Colour of core insulation: white

Outer sheath made of cross-linked copolymer

Outer sheath colour: black, red or blue

Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC001578

ETIM 5.0 Class-Description: Flexible cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC001578

ETIM 6.0 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

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Note

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 and graphics 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 ²)	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

Last Update (03.08.2018)

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 Product Management www.lappkabel.de

 You can find the current technical data in the corresponding data sheet.
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