

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

Not suitable for direct burial, installation according to IEC 60364-5-52, respectively HD 60364-5-52

Last Update (30.07.2019)

©2019 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

H1Z2Z2-K

Application range

Photovoltaic systems with DC system voltage up to 1800 V

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

H1Z2Z2-K (type according to EN 50618)

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:

I_m 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

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.

Last Update (30.07.2019)

©2019 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

H1Z2Z2-K

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.

H1Z2Z2-K

Article number	Conductor cross-section (mm ²)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1023552	4	5.35	38.4	62
1023553	6	5.9	57.6	84
1023554	10	7	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	5.35	38.4	62
1023573	6	5.9	57.6	84
1023574	10	7	96	126
1023575	16	8.1	153.6	197
Core insulation: white / Outer sheath: blue				
1023582	4	5.35	38.4	62
1023583	6	5.9	57.6	84
1023584	10	7	96	126
1023585	16	8.1	153.6	197

Last Update (30.07.2019)

©2019 Lapp Group - Technical changes reserved

 Product Management www.lappkabel.de

 You can find the current technical data in the corresponding data sheet.
 PN 0456 / 02_03_16