

# ACS-GREENLINE ÖKOSOLAR

## Application

The line complies with the requirements of the ÖVE guideline R11-1 for laying without the corresponding protective roughing.

The unipolar cable (H)1Z2C4Z2-K is an ideal solution for connecting solar cells to one another or to wire them to terminal blocks and frequency converters. The cable (H)1Z2C4Z2-K guarantees excellent resistance to UV rays and atmospheric conditions. The wide operating temperature range also enables use in extreme climatic zones, prevents adverse effects from heat and ensures correct operation of the photovoltaic system at all times of the year. Suitable for laying in dry and damp rooms as well as outdoors, even in direct sunlight.

## Standards

adapted to  
DIN EN 50618 (VDE 0283-618:2015-11),  
DIN EN 60332-1-2 (VDE 0482-332-1-2:2022-07)  
DIN EN 60811-403 (VDE 0473-811-403:2012-12)  
DIN EN 61034-2 (VDE 0482-1034-2:2021-02)

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

## Construction

<b>Inner Conductor</b>	fine-stranded tinned copper acc. DIN VDE 0295 cl. 5 and IEC 60228 cl. 5
<b>Core Insulation</b>	compound cross-linked (LS0H)
<b>Inner Sheath Material</b>	special cross-linked compound
<b>Overall Shielding</b>	braid shield copper tinned
<b>Outer Insulation Material</b>	compound cross-linked (LS0H)
<b>Constant Against</b>	UV, ozone, weather and hydrolysis-resistant, very robust and abrasion-resistant sheath. Anticipated service life - 25 years. Suitable for laying in the ground

## Technical Data

<b>Nominal Voltage</b>	$U_0/U$ : 1500 /1500 V
<b>Nominal Voltage DC</b>	$U_0/U$ : 0 /0
<b>Test Voltage</b>	6500 V
<b>Bending Radius fixed (xD)</b>	4
<b>Operating Temperature solid</b>	-40 °C bis 90 °C
<b>Operating Temperature moving</b>	-40 °C bis 90 °C
<b>Short Circuit Temperature</b>	250 °C
<b>Short Circuit Duration</b>	5 sek.
<b>Fire Classes</b>	Dca

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Prod. Nr.	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.
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08810001	1 x 6/6	black - black	197,0	10,2
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