
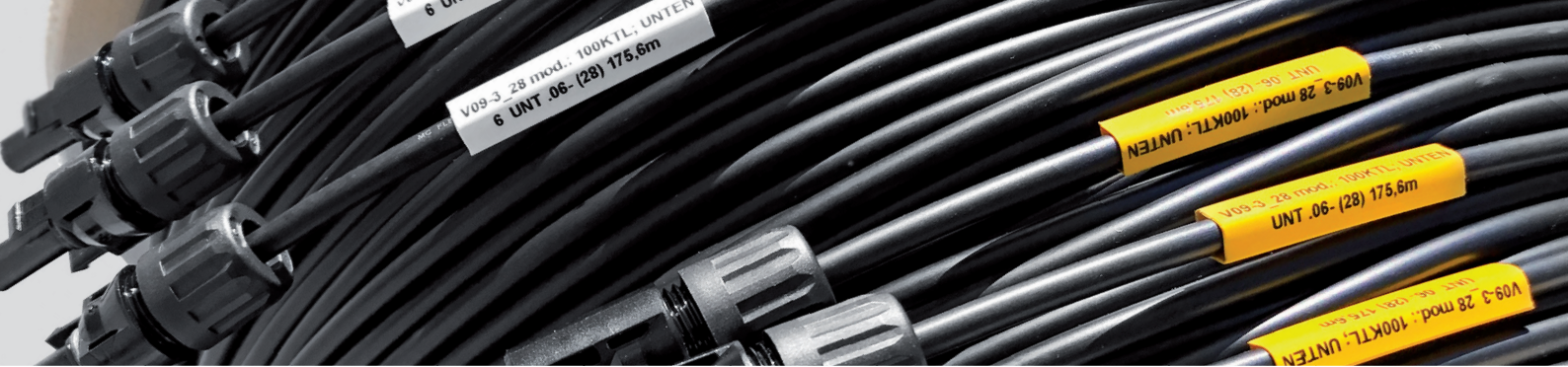


WE CONNECT SOLAR ENERGY.

 Overview 2023/2024

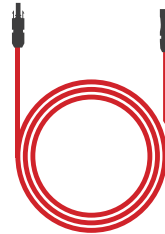
COMPLETE SYSTEM FOR INTERCONNECTING FLOATING SYSTEMS





HISkon®

PV cabling components
part of HIS CONNECT™



INDUSTRIAL MANUFACTURING AND ASSEMBLY BENEFITS FOR YOUR ASSEMBLY.

The installation of solar cables and connectors in the field, and in particular on water, carries risks which have a negative impact on the connection's quality and service life. Pre-assembly of whole cable drums as a plug-and-play solution including labelling ensures these properties (quality, durability, shorter and safer assembly) and ultimately safeguards the capital invested.



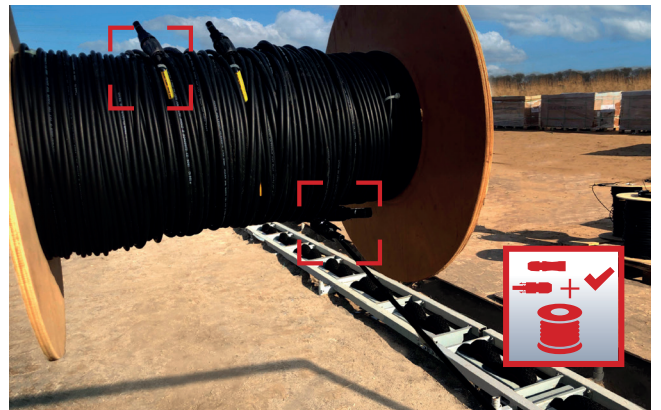
SHORTER ASSEMBLY TIMES PLUG'N'PLAY COMPONENTS

Floating systems can be set up as effectively as possible on an industrial scale thanks to matched HISkon® cable harnesses. These finished cable harnesses can be quickly and safely implemented into the floats on land - without any additional assembly work.



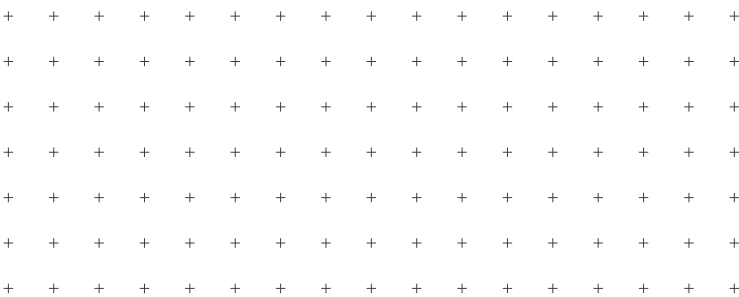
MORE SAFETY

Matched plug-cable connections through additional immersion tests. The IP class alone is sufficient; risks such as longitudinal diffusion and plastics' relaxation behavior still remain underappreciated.



MORE QUALITY

Not to mention the quality of the electrical connection itself. Our crimp laboratories and automated manufacturing process ensure we deliver 100% quality.



HISbox[®]

DC/AC string boxes
part of HIS CONNECT™

DEVELOPED FOR INDIVIDUAL REQUIREMENTS DESIGNED FOR HIGH SYSTEM PROFITABILITY.

In addition to the challenges already known when using DC/AC combiners, floating systems face other issues and risks which need to be assessed and reduced, which include, among others:

- Resistance of the components to environmental influences
- Electrical operational safety and maintenance
- Protection against outside climatic influences

DESIGNED WITH HIGH QUALITY COMPONENTS.

HIGH RELIABILITY

By using standardised, certified components which have also been tested by HIS Renewables, we are laying the foundation for long, maintenance-free operation of our HISbox[®] solutions.

PRODUCTION COMPLIANT WITH STANDARDS

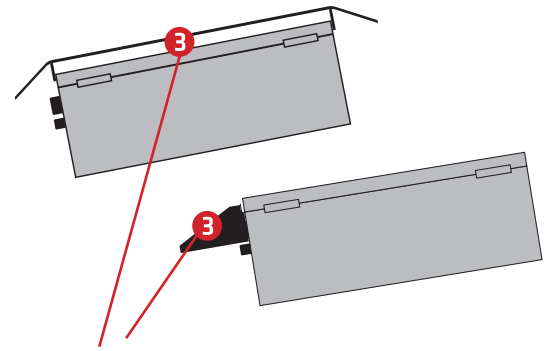
We develop, design and manufacture our HISbox[®] Combiner Boxes in accordance with IEC 61439-2 and supply circuit diagrams and installation instructions in our offers.



ADDITIONAL PROTECTION

HISbox[®] Combiner Boxes can be supplied with additional protection against solar radiation, heat and rain. The protective shield enables a constant flow of air which offers significant cooling for the components.

CUSTOMIZED



Protection against environmental influences



CERTIFIED QUALITY

Integration of the planning software into the merchandise management system; temperature rise tests in in-house testing laboratories; routine testing in accordance with the IEC standard: with HISbox[®] String Boxes, nothing is left to chance.



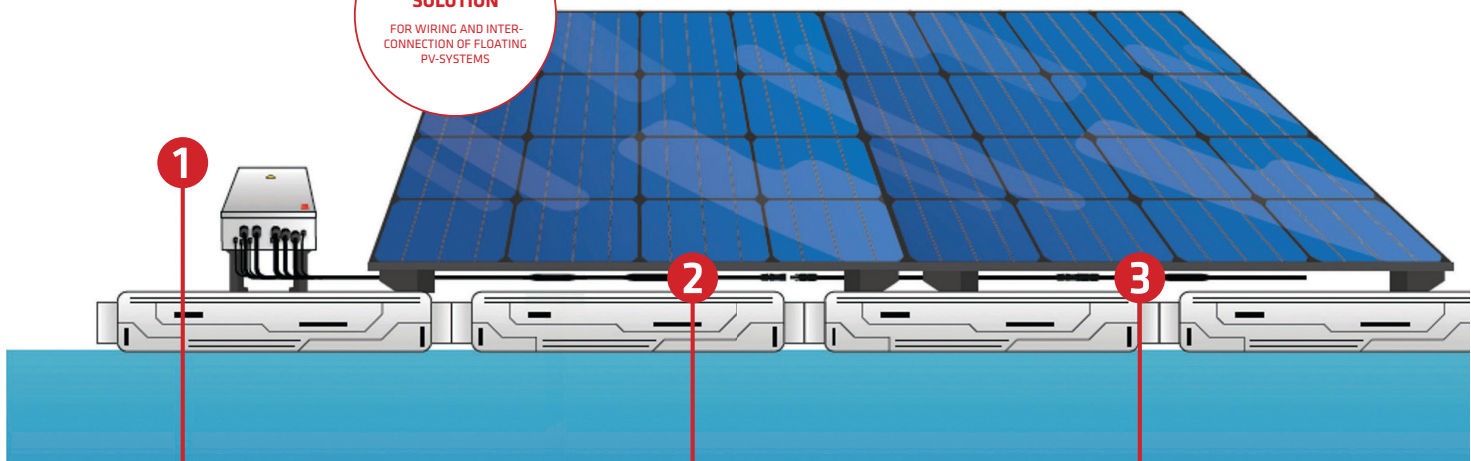
HISCONNECT®

— solar wiring system **FLOATING PV**

**FLOATING PV: THE SOLAR ENERGY REVOLUTION.
CONNECTED SECURELY WITH HISCONNECT®.**

One of floating PV systems' characteristics is their higher power generation owing to the water's cooling effect on the solar modules as well as the other components and cables. However, the cabling and interconnection components used must match the increased requirements of floating PV. Solutions and components from the HISconnect® portfolio overcome these requirements with flying colours, thereby ensuring stable and reliable operation.

ONE-STOP-SHOP SOLUTION
FOR WIRING AND INTER-CONNECTION OF FLOATING PV-SYSTEMS



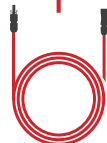
1



HISbox® DC Combiner

Protect your investments with our all-in-one support for harsh environmental conditions. Conform to IEC61493-1.

2



HISkon® Plug-N-Play cabling

Best wiring solution for PV Floating matching components for challenges beyond standard.

3



HIKRA® Solar Cable

Developed with a special compound with better insulation properties in wet conditions, delivering a faultless performance.


 Inhouse Engineering & Testing

 Designed with high quality components.

Individually tailored, matching your project requirements. With additional IP- and sunlight protection.

 Reduce installation time

 Increase safety

 Save costs: Increase ROI



HIKRA SOL
IEC69230 (IEC 131)
EN50618 (H1Z2Z2-K)
TÜV 2 Pfg 2750 (PV-1500WR)





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**#1 PROVIDER IN EUROPE
FOR WIRING SOLUTIONS**



**INDUSTRIAL MANUFACTURING
IN 3 STEPS**

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