

## WE CONNECT SOLAR ENERGY.

🇬🇧 Overview 2023/2024

SOLUTIONS FOR CONNECTING AND WIRING PV-SYSTEMS

**#1**  
PV expert in Europe

More than **6,5 GW**  
supply of components  
per year

**≥2000**  
customers in more  
than 60 countries

# HIKRA®

solar cables  
part of HIS CONNECT™

## THE BEST PERFORMANCE TO YOUR BENEFIT. THE PLUS FOR YOUR INVESTMENT.

HIKRA® stands for technically outstanding and integrated solutions, which have been developed taking into account all environmental, safety and costs aspect and even under the harshest conditions delivering a faultless performance.



**Suitable for laying in the ground**  
Optimized special compounds



**Optimal compatibility**  
Part of the HISconnect® wiring system



**Nominal Voltage**  
Max. 2 kV DC



**High conductivity**  
Fine stranded wire of electrolyte copper



**Additional benefits**  
CPR approved



**Extensive certification**  
EN50618, IEC62930, UL4703  
TÜV 2Pfg 2750



**Ready for Floating PV**  
TÜV 2PFG2750 certified



**High short-circuit**  
250°C/5s



## HIKRA® SOL

The comprehensive cabling solution for EPC and installation companies.



Order No.		Cross-section mm <sup>2</sup>	Construction n x max-Ø (mm)	Resistance of conductor (Ω/km)	External diameter approx (+/- 0,2 mm)	Copper index kg/km	Weight kg/km
black	red stripes						
73 90 65	73 90 66	1 x 1.5	29 x 0.25	13.7	4.6	14.0	32.0
73 86 09	73 86 10	1 x 2.5	47 x 0.25	8.21	5.0	24.0	41.0
73 86 13	73 86 14	1 x 4.0	52 x 0.3	5.09	5.4	38.4	54.0
73 86 15	73 86 16	1 x 6.0	78 x 0.3	3.39	6.0	57.6	73.0
73 86 17	73 86 18	1 x 10.0	77 x 0.4	1.95	7.2	96.0	120.0
73 86 19	-	1 x 16.0	126 x 0.4	1.24	8.7	153.6	189.0
73 90 61	-	1 x 25.0	190 x 0.4	0.795	10.4	240.0	277.0

## HIKRA® PLUS DB

This cable is intended for use in PV installations and suitable for the application in/at equipment with protective insulation.



Order No.		Cross-section mm <sup>2</sup>	Construction n x max-Ø (mm)	Resistance of conductor (Ω/km)	External diameter approx (+/- 0,2 mm)	Copper index kg/km	Weight kg/km
black	red						
74 74 55	74 74 56	1 x 4.0	56 x 0.31	5.09	5.5	38.4	56.0
74 74 57	74 74 58	1 x 6.0	80 x 0.31	3.39	6.0	57.6	75.0
74 74 59	74 74 60	1 x 10.0	80 x 0.41	1.95	7.1	96.0	115.0

## HIKRA® SOL B2



Order No.		Cross-section mm <sup>2</sup>	Construction n x max-Ø (mm)	Resistance of conductor (Ω/km)	External diameter approx (+/- 0,2 mm)	Copper index kg/km	Weight kg/km
black	red stripes						
75 02 49	75 02 50	1 x 4.0	52 x 0.3	5.09	5.4	38.4	61.0
75 02 51	75 02 52	1 x 6.0	78 x 0.3	3.39	6.0	57.6	81.0
75 02 53	75 02 54	1 x 10.0	77 x 0.4	1.95	7.2	96.0	130.0
75 02 55	-	1 x 16.0	126 x 0.4	1.24	8.7	153.6	199.0



# HISbox®

DC/AC string boxes  
part of HIS CONNECT™

UTILITY SCALE + COMMERCIAL & INDUSTRIAL + ROOFTOP

BATTERY STORAGE + MONITORING + FLOATING PV

## PROTECT YOUR INVESTMENT.

- Individually tailored to your requirements
- Effective running systems
- Higher bankability
- Inhouse engineering know-how

## HIGHER SAFETY.

- Designed with high quality components
- Designed to individual requirements
- Tested for high plant availability



## DC/AC String boxes



### Project-specific design

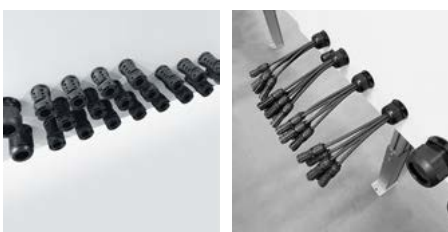
HISbox® stringboxes are always designed specifically for the project: for this purpose we clarify your need for protection, switching and measuring devices in coordination with the country-specific regulations.

### Proven quality

Integration of the E-CAD into ERP; internal tests in climate chamber and outgoing inspection acc. to IEC 61439-1.

### Cable gland & bushing options

Straight cable glands, plug'n'play, flying leads or HISconnect PLUS®, chose the one you need.



### Plug & Play

MC4 PV-connectors enable easy plug in of the PV String on the combiner box.

### Easy installation

HISbox® string boxes are ready for use, that means, pre-assembled connecting leads or PV connectors supplied to the housing and reduce so the installation time to a minimum.

### Maximum reliability

By using standardized, certified and by HIS Renewables proven components in our HISbox® solutions, we lay the foundation for a long and maintenance-free operation.

## ALL IN ONE SUPPORT

### DATA INTEGRATION AND SYNCHRONIZATION



E-CAD



ENGINEERING



ERP



MANUFACTURING



LOGISTICS



High quality, easy plug & play installation for high reliability & security of your project

### Modular configuration

Use the HIS Checklist to quickly configure our HISbox to your needs with modular components.



Communication Box



AC Combiner

# HISKON<sup>®</sup>

PV cabling components  
part of HIS CONNECT™

## PERFECTLY MATCHED COMPONENTS FOR A TROUBLE FREE INSTALLATION.

Installers and plant operators around the world rely on HIS CONNECT<sup>®</sup> system components. And success proves them right.

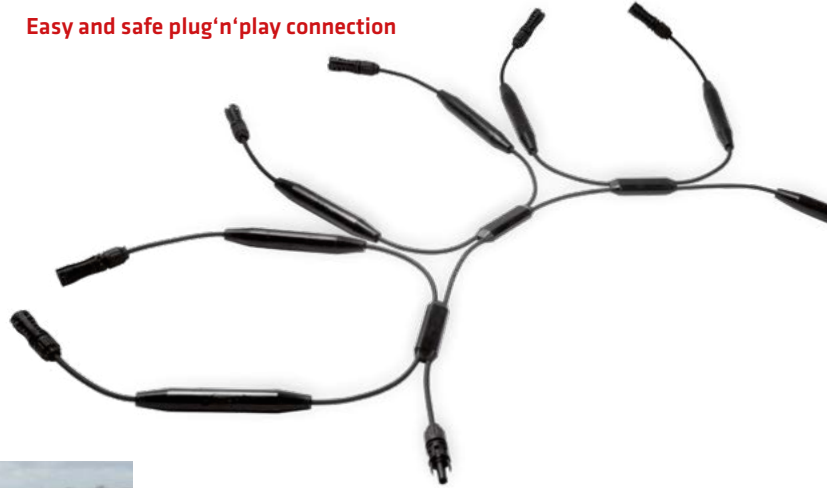
## Extensions & Harnesses

### Cable adapters & extensions

- HISKON<sup>®</sup> cable adaptors for distinct connectors
- Double or single sided manufactured extensions including individual marking



Easy and safe plug'n'play connection



### Cable Harnesses

- Plug and Play solution for PV power plants for a quick and safe installation
- Always the appropriate connector for sustainable plant availability
- Monitored crimp quality and reduction of contact resistance



Pre-assembled cabling for Floating-PV



## Inlinefuses

- For the best possible cost-effectiveness and operational safety of solar plants the installation of an inline fuse is recommended
- In doing so, you can draw upon a wide range of solutions: 1000V DC or 1500V DC; singly or integrated in a cable harness



60A

30A



**REDUCE COSTS.**  
RAISE PROFIT.



# HISkon®

PV cabling components  
part of HIS CONNECT™

## PV-Connectors

- Globally leading distributor of PV connectors of all well-known manufacturers
- Reliable delivery thanks to extensive storage and a long-standing logistics network
- Quick and easy installation thanks to high quality crimp tools and installation accessories



Brand	Order No.	Model	Type	Cross-section Ø mm²	Outer sheath Ø mm	Tool
Stäubli	71 13 90	MC4 PV-KST4/6IUR	Plug Socket	4.0 - 6.0	5.0 - 6.0	75 64 22
	71 13 93	MC4 PV-KST4/6IIUR				72 34 96
Stäubli	70 86 68	MC4 PV-KBT4/6IUR	Plug Socket	4.0 - 6.0	5.9 - 8.8	75 64 22
	70 86 69	MC4 PV-KBT4/6IIUR				72 34 96
Stäubli	73 27 58	EV02 PV-KST4-EVO 2/6IUR	Plug Socket	4.0 - 6.0	4.7 - 6.4	75 64 22
	73 27 60	EV02 PV-KBT4-EVO 2/6IUR				72 34 96
Trina Solar	74 31 47	TS4-M2	Plug Socket	4.0 - 6.0	5.6 - 6.8	74 36 81
	74 31 48	TS2-F2				
Jinko	75 33 92	PV-JK03M2/2BC	Plug Socket	4.0 - 6.0	5.0 - 6.8	75 33 15
	75 33 93	PV-JK03M2/2BC				75 33 14
Canadian Solar	74 99 33	T4-PC-1	Plug Socket	4.0 - 6.0	4.3 - 6.6	75 00 32
	74 99 34	Tlian T4-PC-1				75 00 31
TE	73 86 24	2-2270024-1	Plug Socket	4.0 - 6.0	5.0 - 7.8	72 76 17
	73 86 25	2-2270025-1				72 76 18



# HISbatt®

Battery storage system  
part of HIS CONNECT™

## Solutions & Accessories for Energy Storage Systems



Battery cable

Connection cable

RJ45 data cables



Battery cable for  
Battery-Box Premium LVS



HISbox Battbreaker



Box for battery-backup-systems (SMA, Fronius)







## SYSTEM COMPONENTS FOR YOUR ELECTROMOBILITY SETUP



# HIS

the power behind re:energy

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## #1 SUPPLIER IN EUROPE FOR WIRING SOLUTIONS

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