HISkon®

PV cabling components
part of HIS CONNECT®

HISkon® SPLITTER

1000V / 1500V DC

DATA SHEET

HIS
we connect solar energy

HISkon®

PV cabling components
part of HIS CONNECT®

PART OF HISCONNECT SOLAR WIRING SYSTEM

ONE-STOP-SHOP SOLUTION FOR WIRING OF PV PLANTS

PV cabling and switching professionals frequently work under time pressure and as a result want cables and components which they can install on site quickly and without too high cost. For such requirements, there is our assembly service: here, you get just the right cable at the right length with the right properties and connections. Obviously at the right time and the right place.

OFF THE SHELF PRODUCTS. TAILOR MADE FOR YOU.

By using innovative technology and the most modern machines and plant, we provide maximum efficiency in cable fabrication and testing, completely secure processes and a high plant availability. For almost 20 years, we have interacted intensively with customers, suppliers and partners on the subject of photovoltaics. This experience flows into every single assembly.

HUGE WEALTH OF EXPERIENCE

Benefit from our many years of experience in numerous projects in the world.

QUALITY & TESTING

Engineering, manufacturing and testing under one roof. Additional testing for special requirements.

EASY TO INSTALL

Well thought out. Ready to use. Including necessary accessories to make installation safe, simple and quick.

OTIMIZATION CONCEPTS

Smart design to save costs (CapEx) helps to avoid extensive work during installation and operations (OpEx).

INTERNATIONAL SUPPORT

With a multilingual engineering and sales team. HIS is managing several country-specific standards.

REDUCE COST. RAISE PROFIT

Tailored concepts by comprehensive expert knowledge. Cost effective and sustainable solution for PV projects.

HISkon®
SPLITTER

YOUR ADVANTAGES

- Easy and quick installation for efficient and smooth commissioning
- The most modern welding technology guarantees minimum transfer losses by bundling the DC output on the cable
- Reduction of DC cables
- Flexible splitter concept to meet your requirement

APPLICATION

These cable splitters are intended for use in PV installations at the DC-side e.g. acc. IEC 60364-7-712. Cables to connect PV-modules with the PV array cable in PV plants outdoor and on the roof and BIPV according to our laying instruction. For open land, roof and facade photovoltaic systems per installation instructions. Please refer to our HISkon® laying instructions.

TECHNICAL DATA

Construction	
Cable	HIKRA solar cable H1Z2Z2-K acc. EN50618; Minimum length between splitters and connector: 160mm
Termination of splitter	Monitored resistance welding process
Molding Isoliation	Specialized compound; UV-stabile
Configuration U-Splitter	4,0:4,0+4,0 / 6,0:4,0+4,0 / 6,0:6,0+6,0 / 10,0:6,0+6,0 (main:trunk+trunk)
Configuration E-Splitter	4,0:4,0+4,0+4,0 / 6,0:4,0+4,0+4,0 / 6,0:6,0+6,0+6,0 / 10,0: 6,0+6,0+6,0 (main:trunk+trunk+trunk)
Connector	Inter alia without or with MC4, MC-EVO2, TE PV4-S, T4, TS4, Amphenol UTX, Phoenix Contact Sunclix,
Options	Optionally: Including String-diodes or Inline-fuses (Please refer to specific technical characteristics)

Technical characteristics	
Nominal voltage	1,5kV DC
Max. current ampacity	Without connectors, Single layed, free in air at 90°C: 4,0mm²→ 39,5 A; 6,0mm² -> 49,7 A; 10,0mm² -> 69,58 A* acc. IEC 60364-5-52.
IP-class of cable splitter	IP65/68 (1m/24h) (Take note of connector´s IP-protection!)
Contact resistance	≤ 0,1mΩ (Single HISkon splitter without connector)
Protection class	II (reinforced Insulation) acc. IEC 61140
Flame class	Self-extinguishing UL94-V2
Temperature range	Ambient temperature -40° C to +90°C (without mechanical impact)

HIS supports you with the cable configuration

Drag and drop to create the assembly order to your requirements. Whether its endless chain, array harnesses, collectors in PV systems with crystalline modules or customer-specific solutions, HIS Renewables is pleased to be at your service. Get in touch with us or use directly on www.his-solar.de.

Take account of possible restrictions by used PV connector and reduction factor in case of cable accumulation (IEC 60364-5-52, Table A.52-17).

HIS CONNECT®

solar wiring system

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