

HISkon+ ALU

■ pre-assembled cable harnesses

Factory-Assembled Copper-Aluminum DC Cabling System



scan me

Lower Cost. Lower Weight. Proven Reliability. Next-Generation Utility-Scale DC Cabling Architecture.

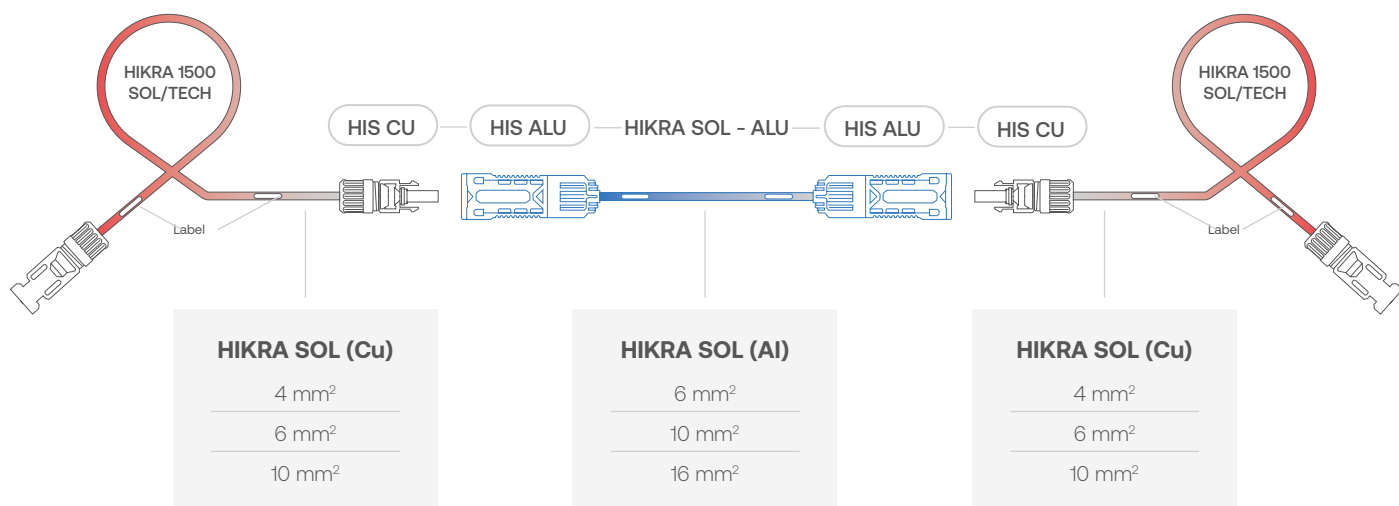
HISkon+ ALU is an advanced hybrid DC cabling architecture developed for large-scale photovoltaic power plants.

By combining copper with aluminium cabling through qualified copper-aluminium transition technology, HISkon+ ALU significantly reduces material costs while maintaining performance, reliability, and long-term durability.



Key Benefits

- ⊕ Up to 35% Lower DC Cabling Costs
- ⊕ Reduce overall DC cabling expenditure through optimized conductor material utilization.
- ⊕ Reduced Copper Consumption
- ⊕ Minimize dependency on copper without compromising system performance.
- ⊕ Lower Transportation Weight
- ⊕ Reduce logistics and installation costs.
- ⊕ Factory-Tested Copper-to-Aluminum Transitions
- ⊕ All transitions are manufactured and tested under controlled factory conditions.
- ⊕ Plug & Play Installation
- ⊕ Ready for immediate installation.
- ⊕ Floating PV Compatible
- ⊕ Particularly beneficial for floating solar applications where weight reduction is critical.



Technical Specifications

Cable Construction

System Voltage	Up to 1500V DC
String Cable	HIKRA SOL/HIKRA TECH Kupfer
Trunk Cable	HIKRA SOL ALU
Conductor Materials	Copper/Aluminium
Rated Current	41A (6 mm ²)/50A (10 mm ²)
Protection Class	IP65/IP68
Operating Temperature	-40°C to +85°C
Floating PV Compatible	Yes
Factory Tested	Yes

Qualified Cu-Al Transition Technology

Typical Applications:

Long-Distance DC Collection Systems

Cost-Optimized Solar Power Plants

Large Ground-Mounted PV Projects

Utility-Scale Solar Farms

Floating PV Systems

Agrivoltaic Installations

Key Features:

- Certified copper-aluminium contact system
- Factory-controlled crimping process
- Mechanically and Electrically Qualified Design
- Waterproof and UV-resistant design
- Long-term reliability under harsh environmental conditions
- Compatibility with multiple connector systems
- Available with Trina TS4 Series, Amphenol H4 Series and Stäubli MC4-Evo 2 Series
- Additional qualified connector systems available upon request

Headquarter Germany
HIS Technology GmbH
Siemensstraße 4
64760 Oberzent

France
HIS Technologie SARL
45 Impasse Louis
Ferdinand Hérol
34070 Montpellier

Spain
HIS Tecnología S.L.
Avenida de Brasil 17
28020 Madrid

Turkey
HIS Teknoloji A.Ş.
Yenişehir mah. Osmanlı Bulvarı No:11,
Aeropark, D:A28 Kat 5, Kurtkoy,
34912 Pendik, Istanbul

Bosnia and Herzegovina
HIS Tehnologija d.o.o.
Prvomajska bb
79260 Sanski Most

Poland
HIS Technologia sp. z o.o.
Juliana Tuwima 48/11, 90-021 Łódź
T +48 576 030 900
E info.pl@his-technology.com

T +49 6068 9314 430
E info@his-technology.com

T +33 4 67 56 67 54
E info.fr@his-technology.com

T +34 916 620 493
E info.es@his-technology.com

T +90 232 422 0931
E info.tr@his-technology.com

T +38 737 307 650
E info.bh@his-technology.com

BeNeLux
T +31 641 248 141
E info.nl@his-technology.com