

HISkon+ AL

■ pre-assembled cable harnesses

Factory-Assembled Copper-Aluminum DC Cabling System



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

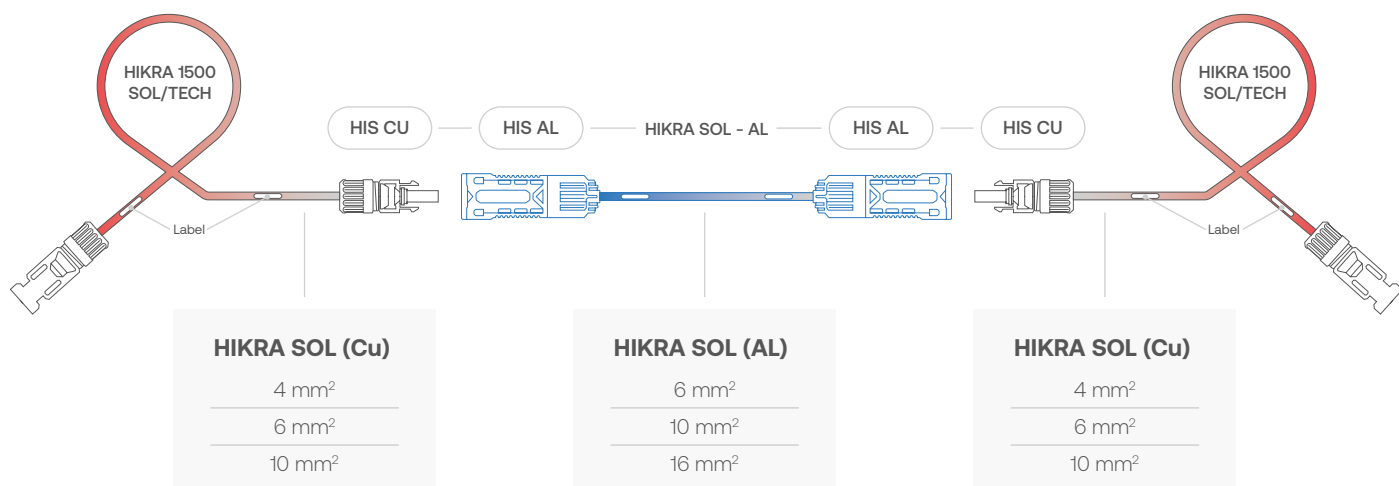
HISkon+ AL is an advanced hybrid DC cabling architecture developed for large-scale photovoltaic power plants.

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



Key Benefits

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|---|---|
| <ul style="list-style-type: none"> ⊕ Up to 35% Lower DC Cabling Costs | <ul style="list-style-type: none"> ⊕ Factory-Tested Copper-to-Aluminum Transitions |
| <ul style="list-style-type: none"> ⊕ Reduce overall DC cabling expenditure through optimized conductor material utilization. | <ul style="list-style-type: none"> ⊕ All transitions are manufactured and tested under controlled factory conditions. |
| <ul style="list-style-type: none"> ⊕ Reduced Copper Consumption | <ul style="list-style-type: none"> ⊕ Plug & Play Installation |
| <ul style="list-style-type: none"> ⊕ Minimize dependency on copper without compromising system performance. | <ul style="list-style-type: none"> ⊕ Ready for immediate installation. |
| <ul style="list-style-type: none"> ⊕ Lower Transportation Weight | <ul style="list-style-type: none"> ⊕ Floating PV Compatible |
| <ul style="list-style-type: none"> ⊕ Reduce logistics and installation costs. | <ul style="list-style-type: none"> ⊕ Particularly beneficial for floating solar applications where weight reduction is critical. |



Technical Specifications

Cable Construction

System Voltage	Up to 1500 V DC
String Cable	HIKRA SOL/HIKRA TECH Copper
Trunk Cable	HIKRA SOL AL Aluminum
Conductor Materials	Copper / Aluminium
Rated Current	41 A (6 mm²) / 50 A (10 mm²)
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

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