



// ALEX

Single-String Solution



Type Approved
Safety
Regular Production
Surveillance
www.tuv.com
ID 2000000000



Key Features

Aluminum home run extensions that run from multi-string harnesses or modules to the end of the row.



Cut cost

Aluminum is more cost-effective than copper

Max output

Reduces voltage drop, boosting efficiency

CONSTRUCTION

Joint
35kV-rated

Mold
Weather resistant outdoor
and flame-retardant, 110°C
rated



All major **connectors** available per specific design requirements

VOLTAGE ALEX

Voltage ALEX refers to aluminum home run extensions that run from multi-string harnesses or modules to the end of the row.

Each customized design is based on the specific site layout.

- Significantly lowers overall budget price of the project
- Friction welded CU-AL transitional joints used to eliminate increased oxidation caused by the surface contact of dissimilar metals
- IP68 overmold protects the components from the environment and any occurrences that could damage the transitional joint

STANDARDS

- Certified to IEC 62930 Electric cables for photovoltaic systems with voltage rating of 1.5kV DC
- Certified to 2 PfG 2642 Requirement for aluminum cables for fixed installation in ground for photovoltaic systems
- Certified to IEC 62852 Connectors for DC-application in photovoltaic systems
- Certified to 2 PfG 2915 Connectors (connecting device with AL-CU current carrying parts)

TECHNICAL DATA

Voltage Rating	1500V DC
1.5kV CU Conductor Size Range	6 mm ² - 16 mm ²
1.5kV AL Conductor Size Range	16 mm ² - 35 mm ²
Operating Temperature	-40°C ~ 90°C
Max Ambient Temperature	50°C
Upper Limit Temperature	110°C
Connectors, Overmolds, In-line Fuses	IP68 Rated (1m/24hrs)
Dustcaps	IP65 Rated (2.5-3mflow12.5(L/min)/3min)

TRANSITION

	Copper mm ²	Aluminium mm ²
	6	16
	10	16
	6	25
	10	25
	16	25
	10	35

