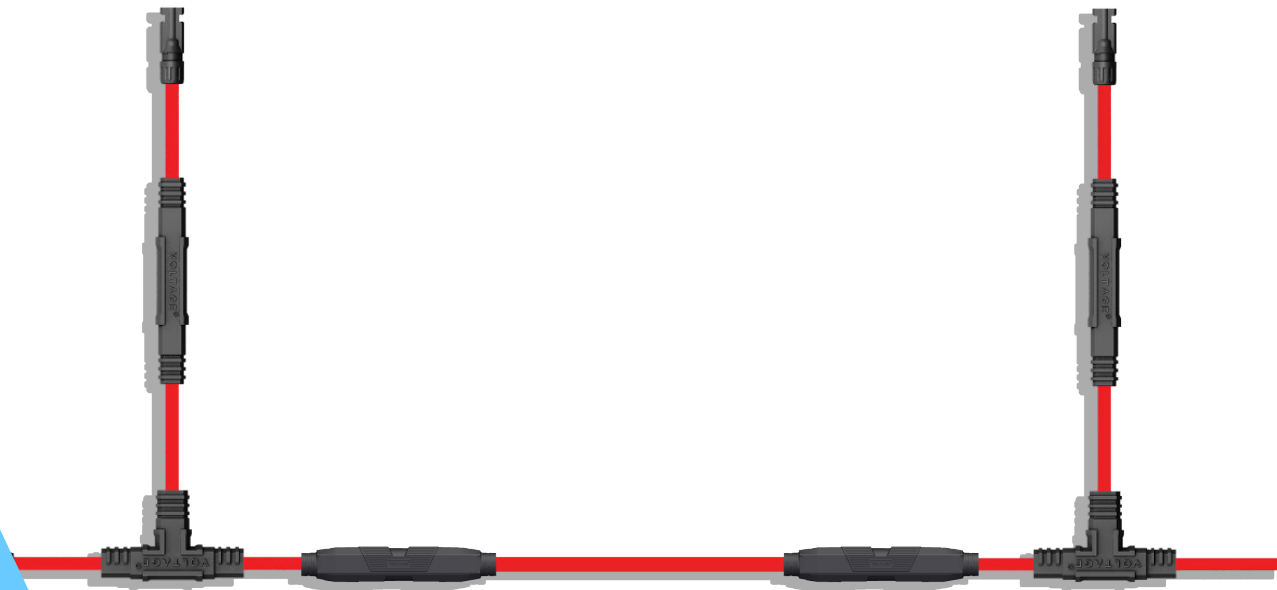
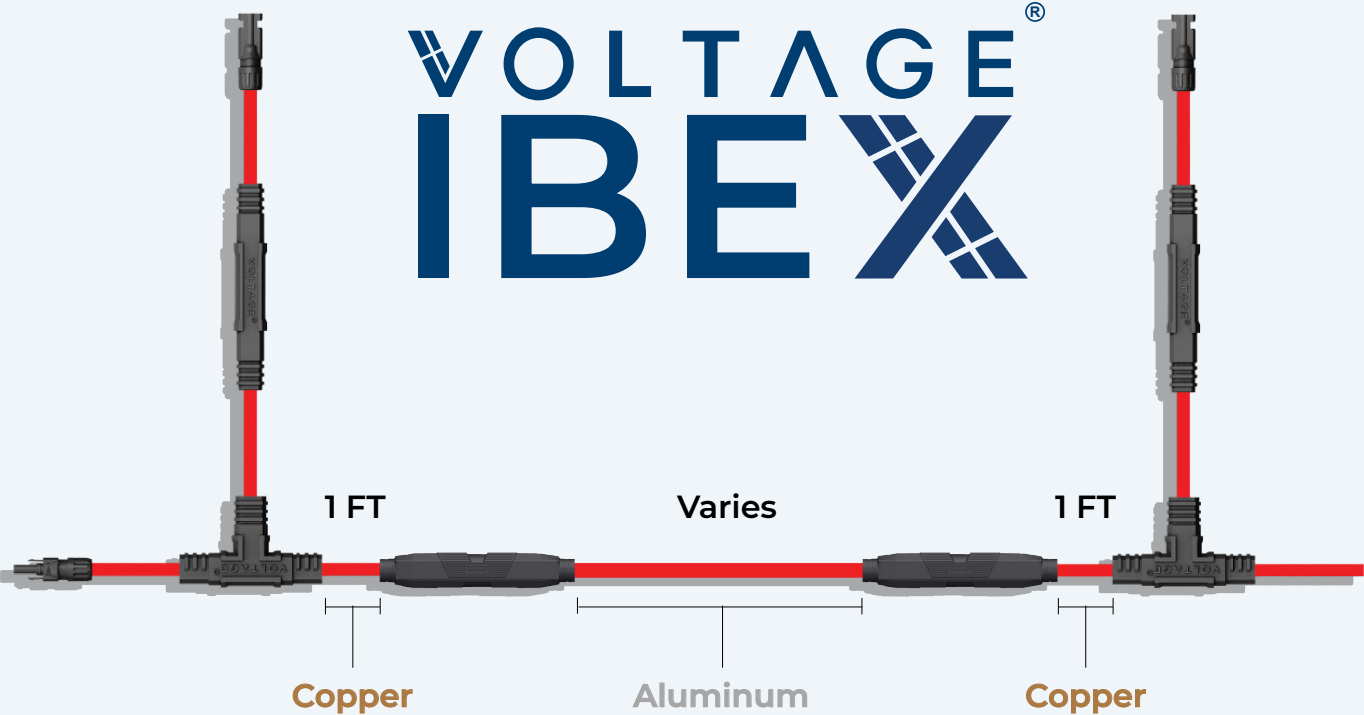


VOLTAGE®
IBEX

IBEX Multi-String Solution





IBEX Multi-String Solution

Key Features

This customizable PV wire harness incorporates our popular aluminum home run extension – ALEX – making any connection variation to a string of modules possible.

An innovative EBOS solution that is a great tool for connecting to combiner boxes, Voltage LYNX PLUS or string inverters. IBEX maintains ampacity performance while utilizing more cost-efficient materials.

Technical Data

Voltage Rating	2000V DC
2kV CU Conductor Isc. Range	12AWG (35A) – 6AWG (86A)
2kV AL Conductor Isc. Range	6AWG (70A) – 1AWG (143A)
Operating Temperature	-40°C ~ 90°C
Max Ambient Temperature	50°C
Connectors, Overmolds, In-line Fuses	IP68 Rated (1m/24hrs)
Dustcaps	IP65 Rated (Tested with 12.5 L/min water jet from 2.5-3m distance for 3 minutes)

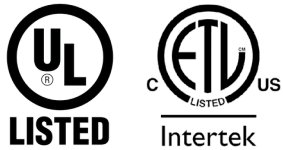
IBEX Components

Key Features

- Reduces on-site assembly
- Reduces material consumption
- Increases installation efficiency
- Reduces installation cost
- Labeled per customer nomenclature
- Shipped in boxes or on spools
- 100% conductivity tested

Standards

- Certified to UL Std. 9703
- Certified to CAN/CSA Std. C22.2 #182.5 Photovoltaic Connectors
- Certified to CAN/CSA Std. C22.2 #271 Photovoltaic Cables
- Certified to CAN/CSA Std. C22.2 #198.2 Sealed Wire Connector Systems
- Certified to UL 4248



Technical Data

Voltage Rating	2000V DC
2kV CU Conductor Isc. Range	12AWG (35A) – 6AWG (86A)
2kV AL Conductor Isc. Range	6AWG (70A) – 1AWG (143A)
Operating Temperature	-40°C ~ 90°C
Max Ambient Temperature	50°C
Connectors, Overmolds, In-line Fuses	IP68 Rated (1m/24hrs)
Dustcaps	IP65 Rated (2.5-3mflow12.5(L/min)/3min)

Overmolds



- T/X/Y Kits available
- Outer Mold Flame Rating: V-1 / F1 per UL 746C
- Inner Mold Flame Rating: V-0
- UL: 6703, 1703 & 9703
- 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.
- Joint: 35kV-rated with anti-oxidation and anti-corrosion joint compound.

In-Line Fuses

- Fuse options: 1A–80A
- Fuse brands: Adler, Littelfuse, Hollyland
- 2kV PV copper wire: 12AWG - 6AWG
- UL 4248



Conductors

- Wire jacket available in various colors.
- Stranded Copper: 12AWG - 6AWG
- Aluminum: 6AWG - 1AWG

Connectors

- All major connectors available per specific design requirements.



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