

STRING HARNESS Rated for 2kV

Key Features

Voltage creates fully customized string harness systems from our customers' drawings. These PV wire configurations are capable of connecting all possible variations of module.

Our engineers collaborate with each customer to ensure all variables are covered in order to account for all current and voltage drop calculations.

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



Technical Data

Voltage Rating	2000V DC
2kV CU Conductor Isc. Range	12AWG (35A) – 6AWG (86A)
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)

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



Conductors

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

Connectors

- All major connectors available per specific design requirements.



TEL:
(919) 391-9405



Website:
voltageenergy.com



Email:
sales@voltageenergy.com



Address:
1450 Raleigh Road, Suite 208 Chapel Hill, NC 27517 USA

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