



Overmolded Harness Solutions for First Solar Modules

ConnectPV produces a wide variety of wire harnesses and home run wire kits for projects using First Solar Modules. From complete string wire and whip kits to custom wire harnesses - we provide an end to end source circuit wiring solution for string inverter or central inverter based projects.

Factory produced wire solutions improve consistency and quality, and reduce field labor and waste, resulting in a lower total installed cost for your project.

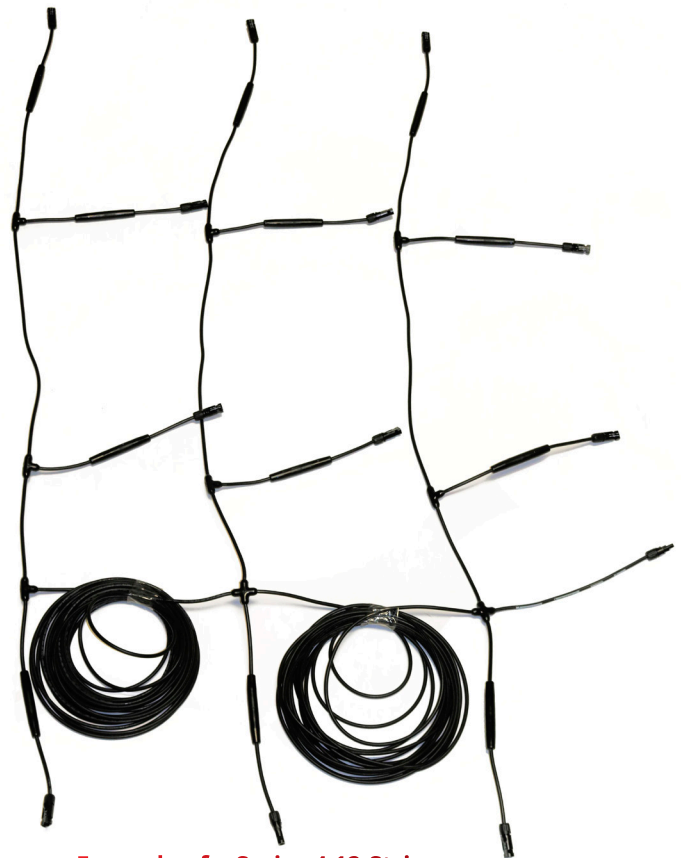
We provide solutions compatible with Fixed Racking or Tracker based arrays for a variety of Structure Manufacturers. Overmolded Harnesses can be modular, with connectorized sections for use with jumpers, or can be continuous assemblies. Our Engineers work with your site plans to determine lengths and overall system design. Drawings are produced for customer review and approval prior to production.

Standard Product Features

- 2000V UL4703 certified PV Wire
 - #14 AWG to #8 AWG (metric also available)
 - black, white, red, and blue available
 - 90C Direct Burial rated and Sunlight Resistant
- Overmolded X's, T's, Y's and Inline Fuses designed for 25-year life with <math><5\mu\text{A}</math> leakage current verified by wet hi-pot.
- UL2579 Certified Inline Fuses
- UL6703 Certified Connectors, MC4 and MC4 EVO-2
- Ultrasonically welded wire junctions minimize impedance
- Labeling meets UL & NEC requirements
- 100% Hipot and Continuity Tested
- 5 Year Warranty Standard
- UL9703 Certified and EN50618 Compliant
- Shipped on reels, in boxes or gayloads

Supporting a Variety of Structures

- Single Axis Trackers:
 - ATI, NEXTracker, PV Hardware, GameChange, Soltec, Exosun, OMCO Solar, Sunlink
- Fixed Racking:
 - GameChange, Sunlink, OMCO Solar, RBI, Schletter
- Configurations for other Structure manufacturers available

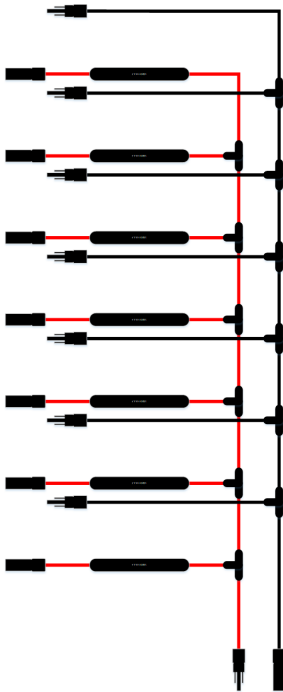


► Example of a Series 4 12-String Continuous Wire Harness Assembly

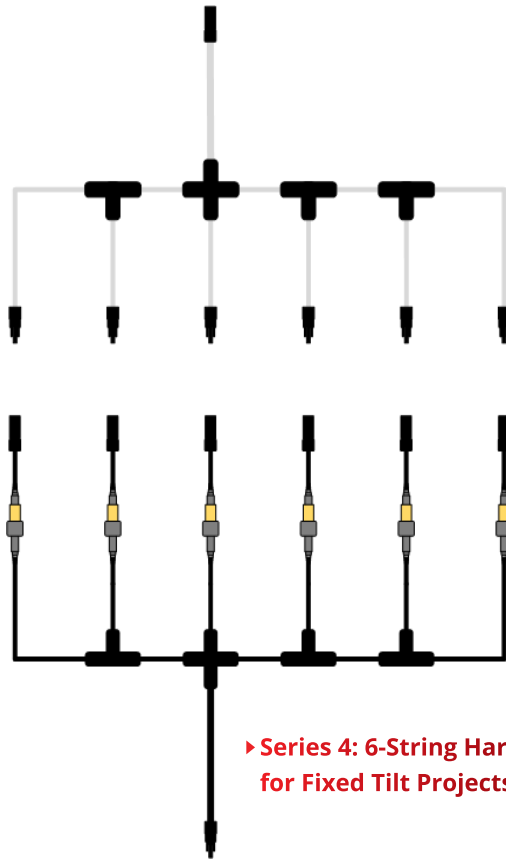




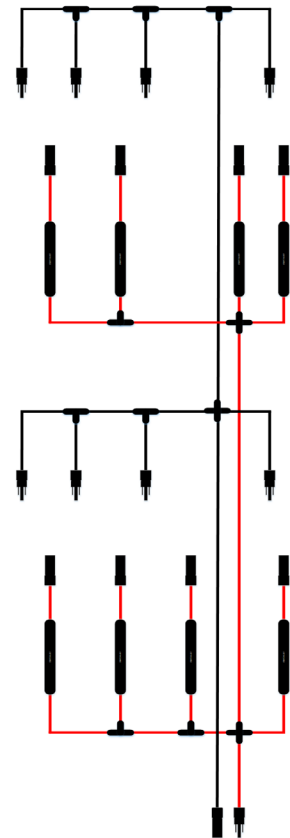
First Solar Wire Harness Examples



► **Series 6: 7-String Harness for Single Axis Trackers**



► **Series 4: 6-String Harness for Fixed Tilt Projects**



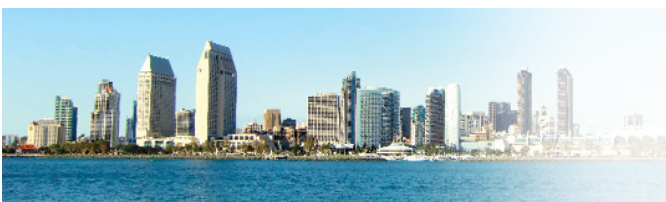
► **Series 4: 8-String Harness for Single Axis Trackers**

Accessory Items Available:

- 1500V and 1000V replacement inline fuse kits with spare connectors
- 4A for Series 4
- 6A for Series 6
- motor pier and tracker, or table, gap jumpers

Projects often require custom or semi-custom wire harness solutions. We developed and certified a configurable product line to fit your project specifications. These are drawings of several different types of standard harnesses for First Solar applications. The harnesses use standard building blocks that can be configured as necessary.

ABOUT CONNECTPV INC.



Based in San Diego, CA, ConnectPV Inc. delivers expertise and experience. We bring over 10 years of Solar PV industry experience in electrical Balance of System products coupled with more than 25 years of high quality, ISO9001:2008 certified, manufacturing expertise. We actively work with our customers to deliver innovative, high quality, and cost effective solutions.