

WTEC

Energy Innovation

Twisted Low Voltage (TLV™) PV Homerun System



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WTEC Energy's TLV™ PV Homerun System integrates several photovoltaic (PV) innovations into one comprehensive design and installation solution that drive cost efficiencies and productivity.

Our patented Twisted Low Voltage (TLV™) homerun cable bus system integrates multiple turnkey solutions to deliver the fastest, safest, and most cost-efficient PV solar installation on the market.

Streamline and simplify your PV solar installations with our turnkey TLV™ PV Homerun System.

1 Twisted Low Voltage (TLV™) Bundled Cable Bus

Negative, positive, and copper-clad messenger TLV cable bus triplexed together during manufacturing

2 Pre-Wired Plug and Play PV Harness

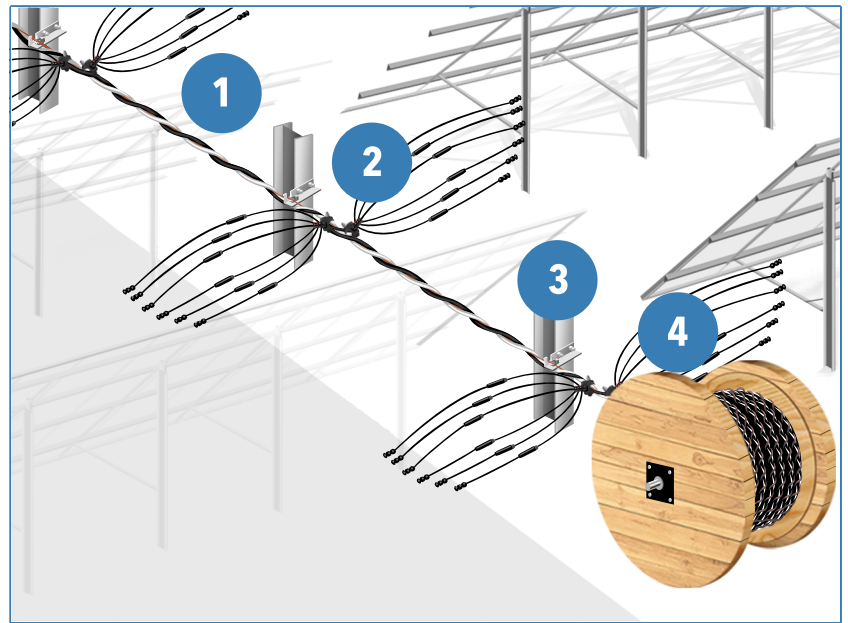
Factory assembled, pre-wired solar harness with piercing connectors

3 TLV™ Strung Installation

TLV messenger cable connects the strings directly to the post

4 TLV™ Bundled Cables Pre-Loaded On Reel On Wheels

TLV bundled cables pulled directly from pre-loaded REEL ON WHEELS



No Complicated Field Assemblies

- No Combiner Boxes
- No Hanger Systems
- No Cable Trenches

Improves Productivity & Efficiencies

- Turnkey assemblies and solutions
- Decreases field installation
- No cable hangers necessary
- No cable trenches required

Increases Project Savings

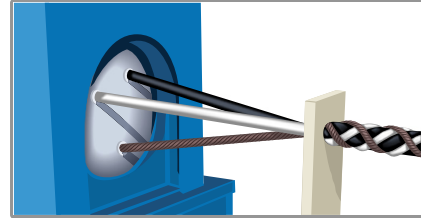
- Requires less material
- Eliminates trenching and construction
- Decreases installation time
- Reduces labor hours

Save up to 25% - 50% per project using our Twisted Low Voltage (TLV) PV Homerun System

TLV™ Bundled PV Cable Bus

Our TLV™ system bundles the copper clad messenger cable with the DC trunk cables. The TLV is triplexed at the point of manufacturing with UL listed PV wires and a copper clad messenger, so your cable is delivered to the project site ready to deploy.

- Eliminates onsite cable twisting
- Reduces crew labor hours
- Improves safety, reduces reels and handling

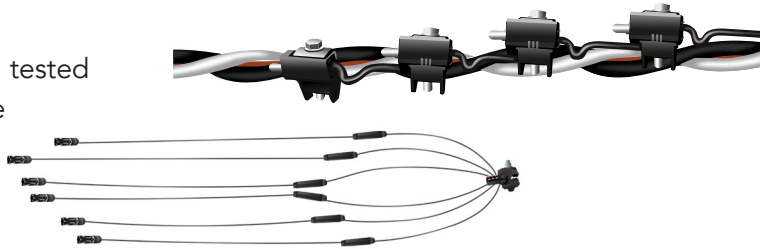


Pre-wired TLV™ Solar Harness System

The Pre-wired TLV™ Solar Harness System uses piercing connector technology to attach to the insulated busbar. The harnesses are factory assembled and kitted to reduce onsite installation prep, time, and labor. Our turnkey harness system eliminates the need for combiner boxes and complicated assemblies, saving costs on materials and labor hours.

More Efficiency and Capacity

- Factory kitted, assembled, and tested
- Minimal onsite installation time
- Upsized 1000 kcmil tap
- 6 position IP rated tap
- 2MW on 4 feeders

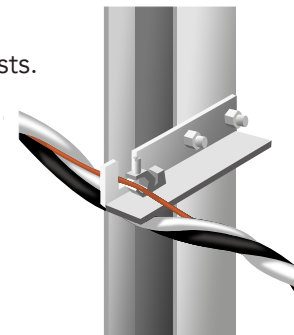


TLV™ Above Ground Strung Bus System

The messenger cable in our TLV™ cable bus can be strung or clamped directly to the post, eliminating the need for cable hanger hardware, tools and installation. Stringing the DC bus overhead on the tracker structures allows for faster and more efficient installation.

Since our strung TLV cable design doesn't need to be buried, trenching is not required, saving significant construction time and costs.

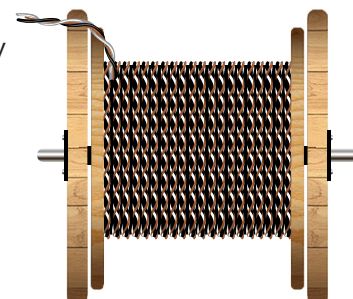
- No cable hangers necessary
- No cable trenching required
- Reduces installation time
- Decreases labor hours



Reel on Wheels

The REEL ON WHEELS solution consists of a standard wooden reel with oversized flanges attached to both sides. The inner reel spins independently of the outer flanges, creating a fully rotatable reel. Our REEL ON WHEELS are pre-loaded with our Twisted Low Voltage (TLV™) PV cable bus and delivered completely assembled, allowing you to pull directly from the reel.

- Pre-loaded and ready to deploy TLV
- Requires no lift equipment
- Reduces number of reels
- Improves reel handling safety



Since the 1990's, WTEC Energy has been at the forefront of the renewable energy market by consistently delivering quality, innovation and value to our customers. We deliver high-performance, cost-effective products and solutions, utilizing state-of-the-art technology, quality methods, and superior materials.

Our high-quality cable and steel products, along with our comprehensive installation support solutions, ensure your solar photovoltaic (PV) projects are completed on budget, on schedule and within specification. We provide a variety of solutions for the solar PV industry, including cable, wire harnesses, and solar steel.

Integrated Renewable Portfolio

WTEC Energy is the only manufacturer in the United States with a fully integrated renewable energy cable and steel portfolio.



**Wire & Cable
Manufacturing**



**Solar Steel
Production**



**In-house Logistics
& Transportation**



Grid Connectivity



Cable Assembly & Kitting

About Us

- Over 25+ years' experience
- Headquartered in New Jersey
- Manufacturing facilities in FL, TX, AZ and SC
- State-of-the-art equipment and technologies
- In-house logistics and fleet
- 600K+ square feet of manufacturing space
- Renewable sector leader and innovator
- Certified Minority Business Enterprise (MBE)

250M

Feet Annual
MV & LV Cable
Production

90K+

Cable
Assemblies
Per Year

200K

Tons
Annual Steel
Production

6

Manufacturing
Plants in North
America

100GW+

Generated
Using Our
Products

700+

Solar
Projects to
Date

Manufacturing Capabilities

WTEC TLV™ products are manufactured in the United States in our 600,000 SF state-of-the-art facilities by a team of global technical experts in product design, engineering, development and manufacturing.

WTEC Energy is a UL certified harness assembly facility, providing custom power cable assemblies, harnesses, and kitting solutions.

Our factory-produced solar cables and wire harnesses improve quality and reliability, while reducing field installation labor and schedules, therefore, decreasing your total cost of construction.

