

LHS[®] SILVERED²

3%
more



LHS[®] SILVERED²
Made by Schlenk

LHS[®] SILVERED² for conductive solutions

- Module efficiency increased up to 3 % depending on module and cell configuration
- Lower resistance values
- Good results in term of electrical conductivity and adhesion to the cell surface
- Dark uniform appearance, distinguishable from standard product, very suitable for building integrated design (BIPV)
- Available in all current sizes and coil designs

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In view of their policy of continuous improvement, the company reserves the right to change the specification and design. CS 01/15

→ Product

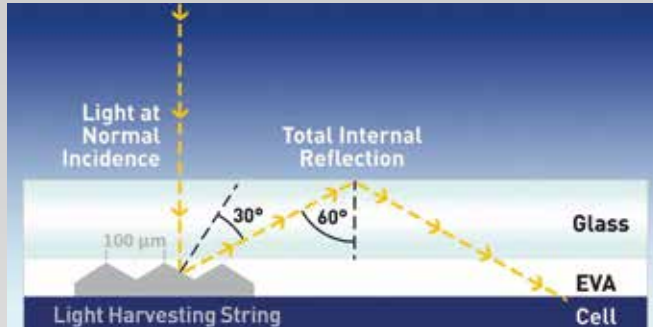
LHS® is a roll-clad copper strip silvered on both sides and is well-suited for new connecting technologies based on adhesives. There are grooves precisely embossed length-wise into the strip.

Much as conventional wires used today, LHS® connects the top and back sides of adjoining cells.

→ Function

The grooves in the surface of LHS® Light Harvesting String reflect the incoming light back towards the glass/air interface resulting in a total reflection of light which is thrown back onto the surface of the cell.

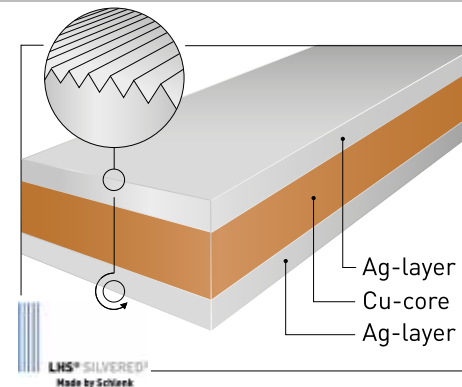
Consequently the light „captures“ within the module can be used to generate additional electricity.



→ Performance

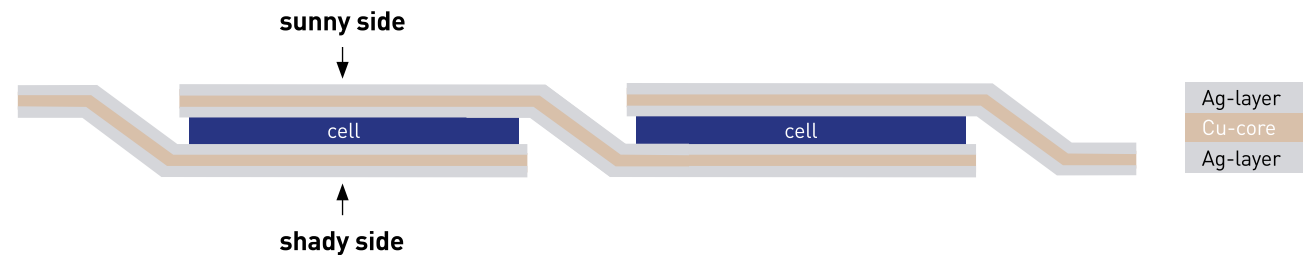
Conventional ribbons block sunlight active cell area. **Up to 80% of this blocked sunlight can be regained by using LHS®.**

The structures surface of the silver clad strip allows sunlight to be reflected in a precisely defined angle, **which will lead to an efficiency gain of up to 3%.**



LHS® SILVERED² for conductive adhesive solutions like

- conductive films (CF)
- conductive paste (CP)



→ well suited for adhesive solutions:

LHS® SILVERED² has shown very good results in terms of electrical conductivity and adhesion to the cell surface.

→ available:

LHS® SILVERED² is available with overall dimensions.

→ electrical performance:

As silver is an excellent conductor, LHS® connectors will show lower resistance values than standard connectors of the same dimension.

→ visual appearance:

Dark uniform appearance, distinguishable from standard product, very suitable for building integrated design (BIPV).