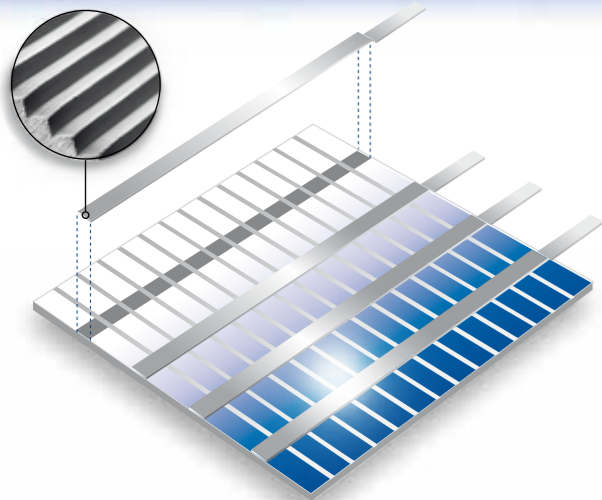
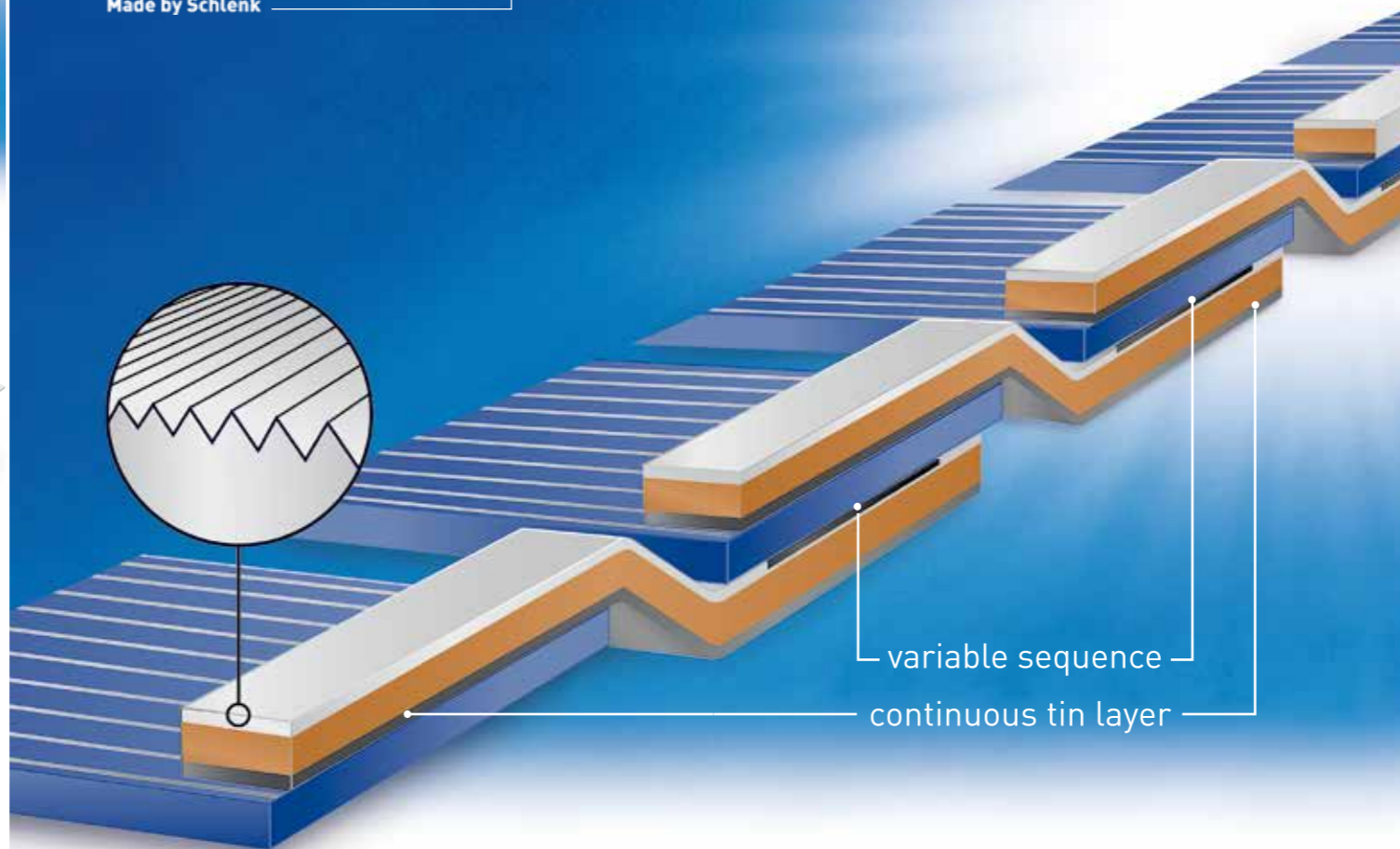
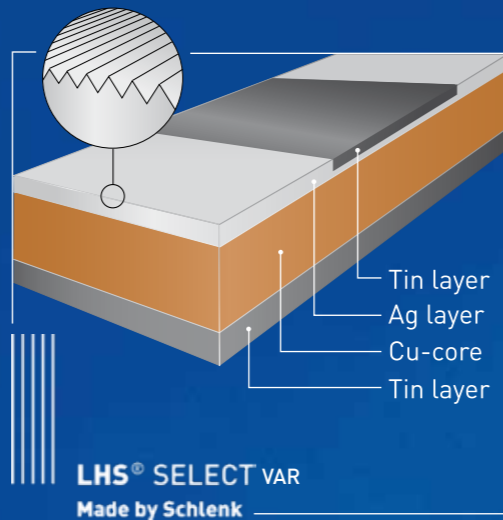


LHS® SELECT
Made by Schlenk

LHS® SELECT



SCHLENK 



→ Summary

- module efficiency increased up to 3% depending on module and cell configuration
- ready to use
- available
- gentle to your cells
- no additional processing steps necessary
- interesting optical appearance in connection with dark back-sheet-foils (building integration)
- available in all current sizes, solders and coil designs

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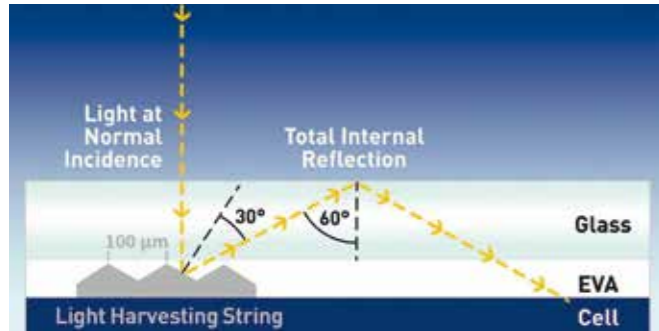
→ Product

LHS® SELECT is a roll-clad copper strip silvered on both sides and selectively pre-tinned. 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 „captured“ within the module can be used to generate additional electricity.



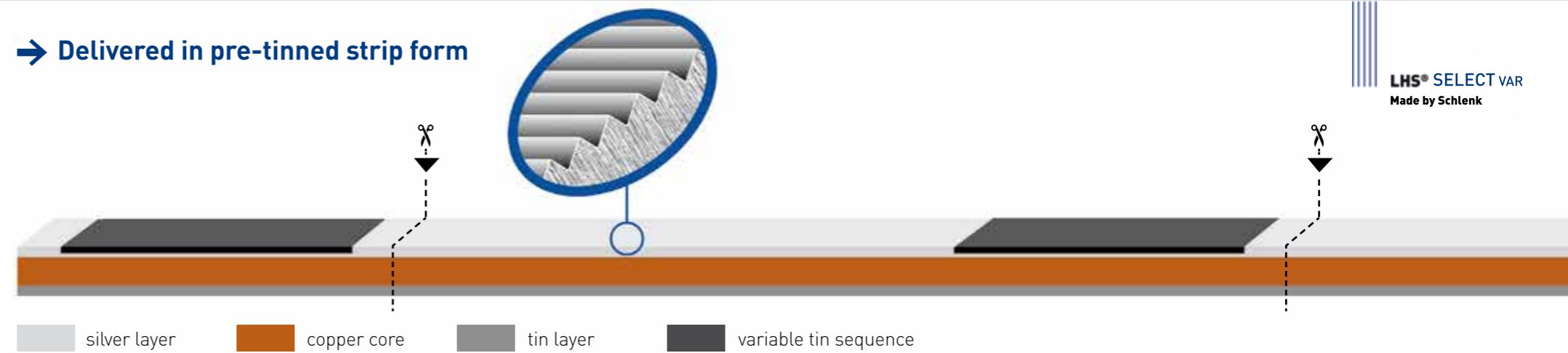
→ Performance

Conventional ribbons block sunlight by covering active cell area.

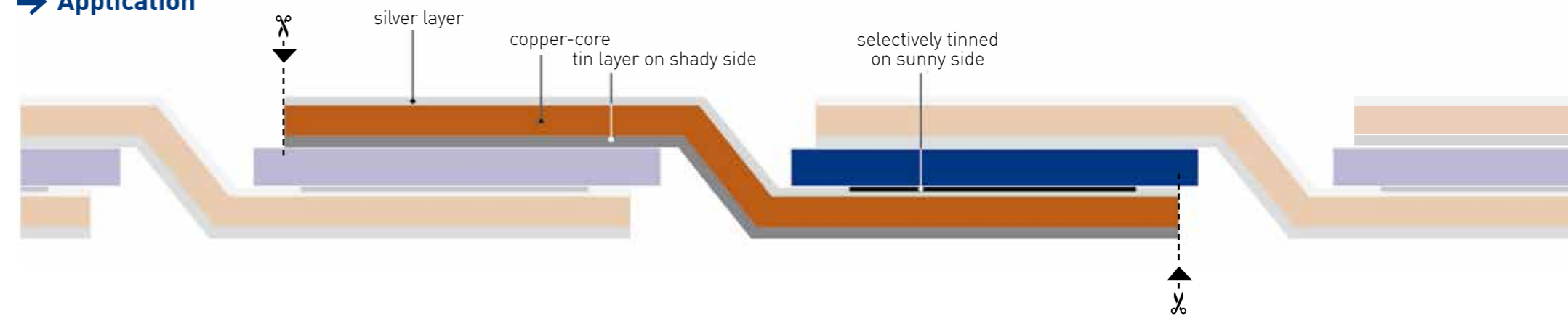
Up to 80% of this blocked sunlight can be regained by using LHS.

The structured 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%.**

→ Delivered in pre-tinned strip form



→ Application



→ ready to use:

LHS® SELECT is pre-tinned in areas where connections to the cells are to be made. Thus conventional stringing equipment can be used.

→ gentle to your cells:

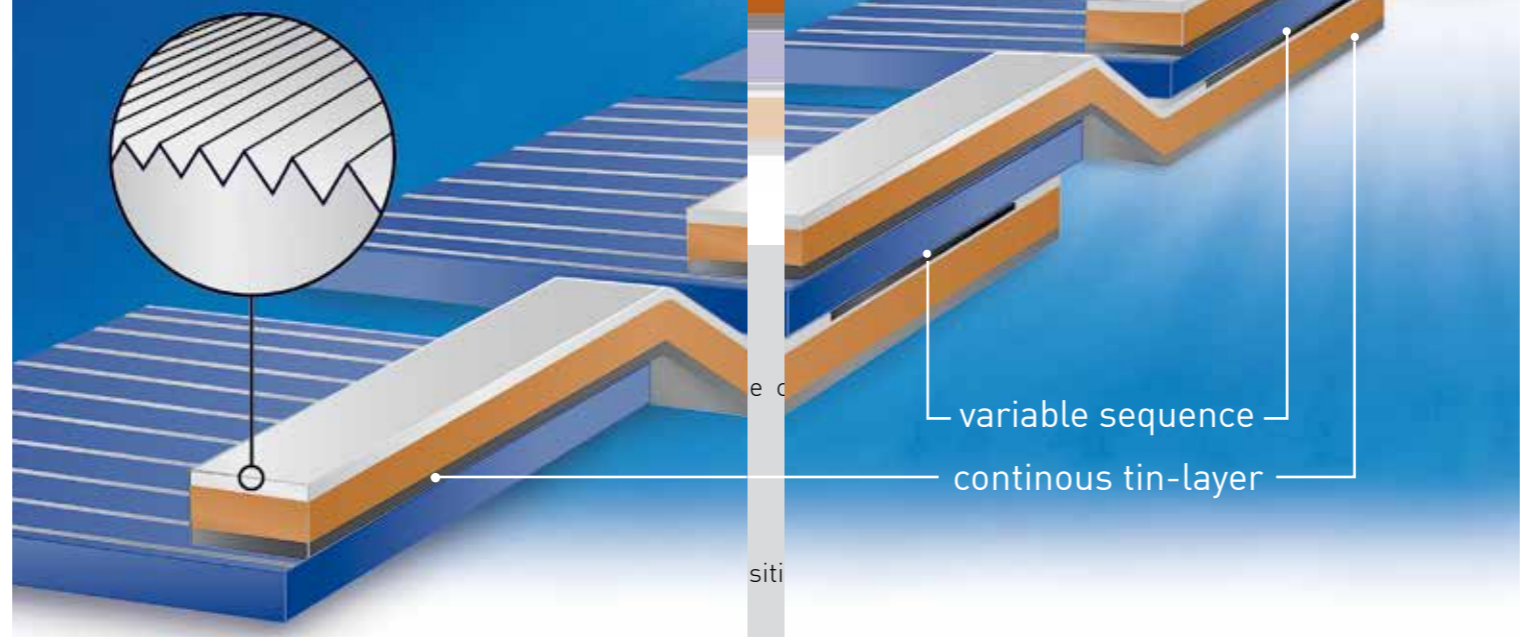
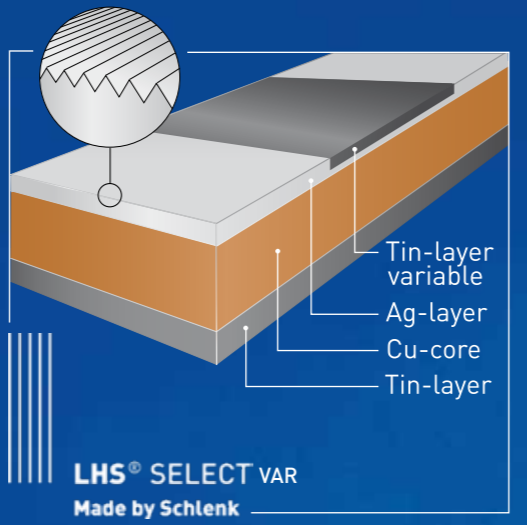
The thickness of the connector is reduced in the critical transition from front to back side. This reduces stress on the cell itself.

→ available:

LHS® SELECT is available with individual tin-pad patterns, different solder-types and overall dimensions.

→ variability:

Our LHS® SELECT_{VAR} is highly flexible. The number of pads in a sequence can be adjusted to the cell string length (i.e. 10 or 12 cells).



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