

## LHS® SILVERED<sup>2</sup>

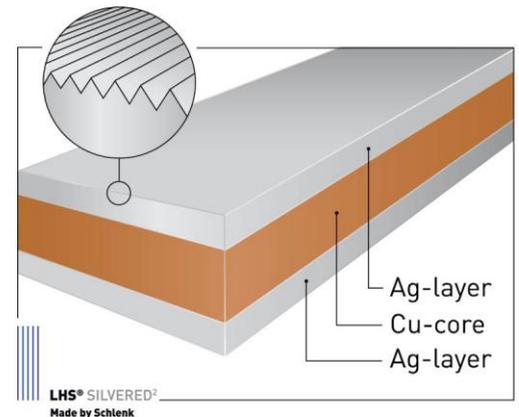
LHS® SILVERED<sup>2</sup> is a roll-clad copper strip silvered on both sides and is well-suited for new connecting technologies based on adhesives.

The strip is precisely structured with grooves along its length. Much as conventional wires used today, LHS® connects the top and back sides of adjoining cells.

The great advantage of LHS® is that the structured surface allows sunlight to be reflected in a precisely defined angle towards the glass / air interface resulting in total internal reflection (TIR).

This accordingly redirects the light to the cell surface and leads to an increase of efficiency of up to 3%.

## Cell-connectors for Solar Modules



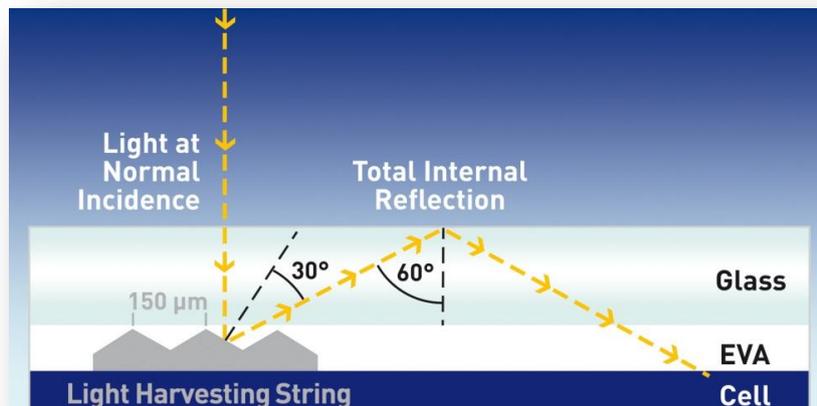
### Standard specification:

<b>Base-material (core):</b>	ETP Copper Foil, soft
<b>Silver layer:</b>	99.99% pure silver
<b>Silver – layer thickness:</b>	to be agreed
<b>Strip thickness:</b>	0.100 mm - 0.250 mm (nominal: incl. copper and silver measured before structuring)
<b>Width:</b>	1 mm - 50 mm (depending on strip thickness)
<b>Coil design:</b>	available on coils or on spools

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

### Advantages of LHS® SILVERED<sup>2</sup>:

- module efficiency is increased by up to 3 % depending on module / cell configuration
- LHS® SILVERED<sup>2</sup> has shown very good results in terms of electrical conductivity and adhesion to the cell surface
- Visual appearance: dark uniform appearance, distinguishable from standard product, very suitable for building integrated design (BIPV)
- Available: in different sizes and coil designs



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