LHS SILVERED²

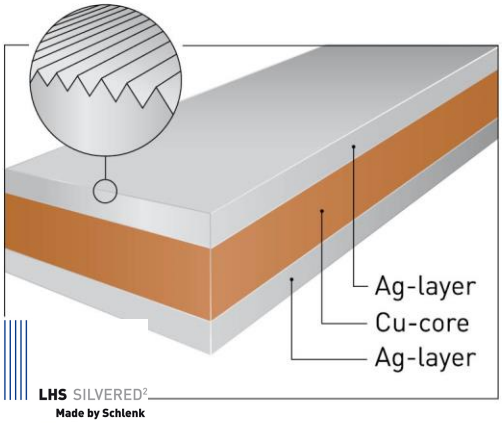
LHS SILVERED² is a roll-clad copper strip silvered on both sides and is well-suited for new connecting technologies based on adhesives.

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:

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

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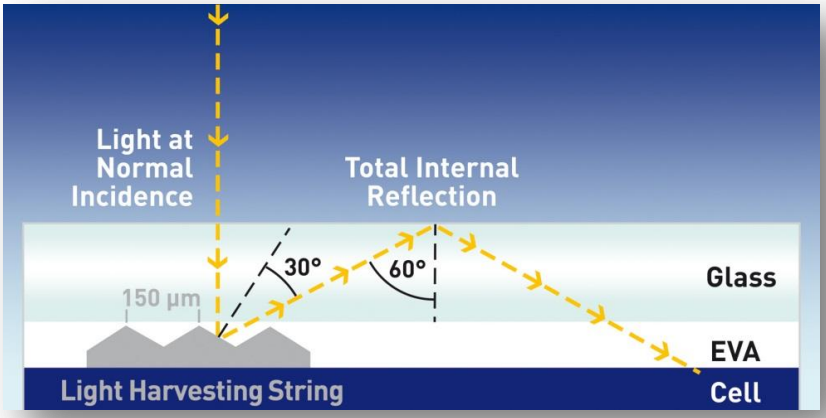
As silver is an excellent conductor, LHS connectors will show lower resistance values than standard connectors of the same dimension.

Advantages of LHS SILVERED²:

- module efficiency is increased by up to 3 % depending on module / cell configuration
- LHS SILVERED² 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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