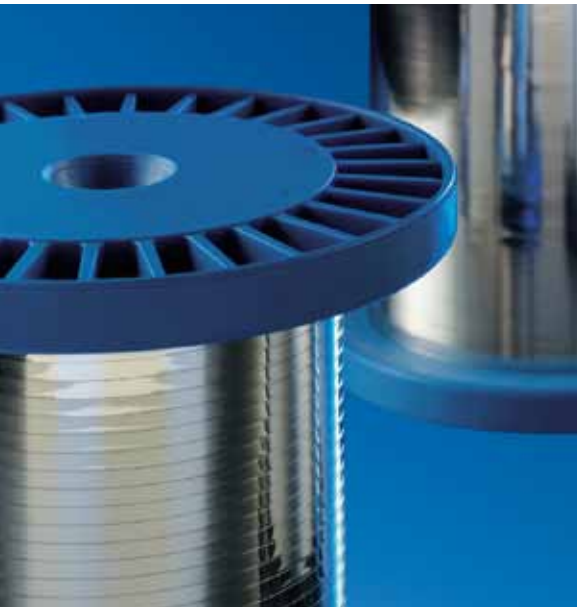


Copper Solutions

The connector to the sun



Cell and string connectors for photovoltaic modules

Quality, performance and high durability of solar power modules are key requirements for our customers in the photovoltaic market. The success of the final product solution, however, depends on efficiency and reliability of each individual component.

LEONI's cell and string connectors are characterised by high quality and environmental sustainability.

Many years of experience and the constant development and systematic improvement of products, make LEONI a well established and innovative partner for wire solutions. Thanks to excellent raw materials and their premium processing we create high quality system components ensuring the highest level of functionality and endurance.

LEONI

Cell and string connectors for photovoltaic modules

LEONI's cell and string connector is a burr-free and 100 % all around tinned flat wire. Due to its homogeneous tin surface, it can be perfectly utilized in soldering processes.

Your benefits:

Everything from a single source – from wire drawing through to customised solutions:

- Tailor-made dimensions
- Application-specific coatings
- Adaption to all soldering processes, application with conductive adhesive or welding techniques

Technical Data

Core material:

Cu-ETP1 and Cu-OF1

Dimensions:

Thickness: 0,08 - 0,40 mm

Width: 1,2 - 5,0 mm

Manufacturing process:

Copper wire flat rolled with hot-dip tinning afterwards

Coating solder:

SnPbAg 62/36/2

SnAg 96,5/3,5

Sn 99,9

Other coatings are available upon request

Coating thickness:

10 - 40 µm

Tensile strength:

$R_m > 200 \text{ N/mm}^2$ (or according to specification)

$R_{p0.2} < 80 \text{ N/mm}^2$ possible

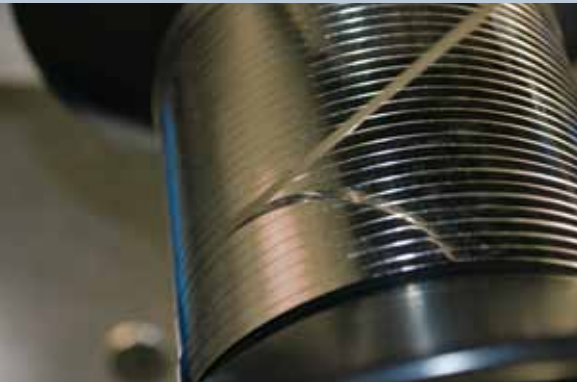
Elongation:

$> 25 \%$ (or according to specification)

Reel:

K160, K200, K250, K355

(biconic reels and other sizes upon request)



Hot-dip tinning