

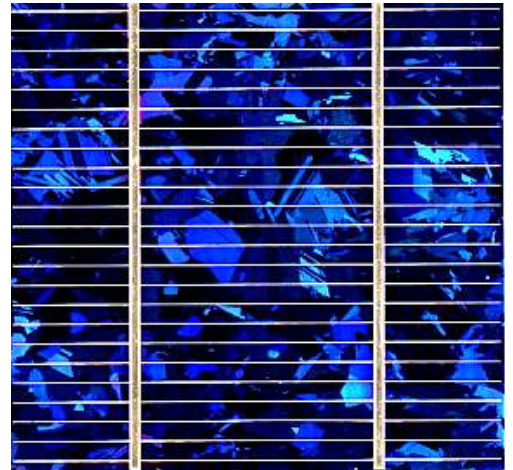
## Application →

## Solar Modules

### Schlenk-Product:

### ETP-copper foil, special tinned

Copper foil with a special tin cladding from the Schlenk production program is used in the photovoltaic solar industry as cell connectors, current collectors and back side contacts. We produce according to our own standard specification, as well as according to customer specifications.



### Standard specification:

#### Base-material:

Copper foil E-Cu58, soft, double-side tin cladding

#### Tin-, and tin.-solder layers:

Tin Sn96.8% and anti-oxidants

L-Sn96.5Ag3.5 (leadfree solder)

L-Sn96.5Ag3.0Cu0.5 (leadfree solder)

L-Sn60Pb

L-Sn62Pb36Ag2

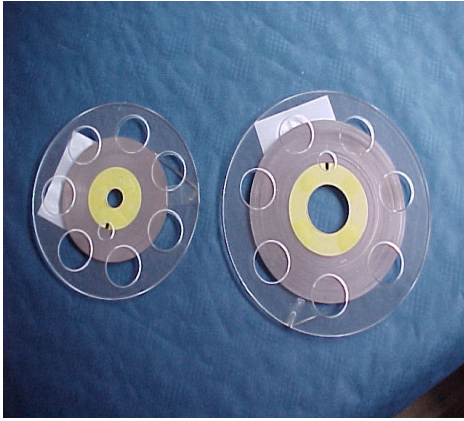
**Layer thickness:** 0.4  $\mu\text{m}$  - 20  $\mu\text{m}$  (depending on strip thickness and quality)

**Strip thickness** (incl. tin-layer): 0.010 mm - 0.500 mm

**Width:** 1 mm - 330 mm (depending on strip thickness)  
(wider on request)

**Coil design:** available on coils or on spools



**Coil sizes:**

20/65mm-plastic core with  
side-shields 200mm

50/95mm- plastic core with  
side-shields 250mm

**Spool sizes:**

HKV 100 (ID 16 mm)

HKV 125 (ID 16 mm)

HKV 160 (ID 22 mm)

HKV 200 (ID 22 mm)

HKV 250 (ID 22 mm)

**Advantages of roll cladding:**

- no flux used in our whole production process
- consistent layer thickness across the whole foil
- uniform surface appearance
- narrow thickness tolerances

**Lot sizes:**

We supply small lots for R&D, quickly and with the utmost flexibility as well as large lots up to complete container loads.

all information contained herein is believed to be reliable, but the accuracy and completeness thereof are not guaranteed. The user shall determine the suitability of the product for the intended application.

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