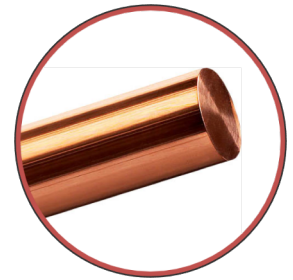


# EK SPEC 138

## Cu-wire, Soft



### 1 Dimensions

	Min.	Max.
Diameter (mm)	2.00	30
Area (mm <sup>2</sup> )	3	700

### 2 Tolerance of dimensions

Wire diameter (mm)	Tolerance (mm)
2,00–2.25	± 0.028
(2.25)-3.00	± 0.03
(3.00)-6.00	± 0.04
(6.00)-10.00	± 0.05
(10.00)-18.00	± 0.06
(18.00)-30.00	± 0.07

Deviation from circularity: max. half the tolerance of diameter.

### 3 Form of delivery

Packing	Approx Capacity (kg)
Coils	25
BOB 630	200
GL 800	700
VKT1250	3500
Coils	Max 4500

Other forms of delivery and types of package can be made by agreement.

### 4 Requirements

Copper Cu-ETP  
 Density: 8.93 g/cm<sup>3</sup>  
 Oxygen: max 600 ppm  
 Resistivity: max. 17.24 nΩm  
 Tensile Strength: R<sub>m</sub> 220-260 N/mm<sup>2</sup> \*  
 Elongation: L<sub>200</sub> min. 35 % \*

\* Can only be measured up to 22.5 mm.

### 5 References

EN 13601 Copper and copper alloys – Copper. bar and wire for general electrical purposes.

### 6 Miscellaneous

An approximate 15 meter long starting end is at the bottom of the drum, ie at the end of the length. There is a slightly discolored piece and a joint. It is recommended that the starting end is cut away since the tensile strength cannot be guaranteed.

The profile is usually coated with a thin layer of white oil (paraffin oil), which facilitates uncoiling and reduces the risk of surface damage.

Coarse dimensions can also be protected with a longitudinal crepe paper.