

EK SPEC 138

Round Copper Wire, extruded



1 Dimensions

| | Min. | Max. |
|-------------------------|------|------|
| Diameter (mm) | 2.00 | 30 |
| Area (mm ²) | 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/cm³
 Oxygen: max 600 ppm
 Resistivity: max. 17.24 nΩm
 Tensile Strength: R_m 220-260 N/mm² *
 Elongation: L₂₀₀ 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.