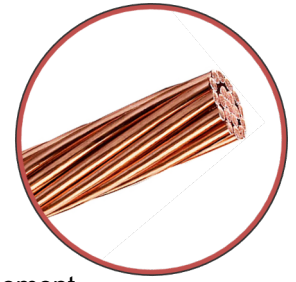


EK SPEC 181

Cu-conductor, Stranded, Annealed



1 Dimensions

Construction and dimensions according to table 1
Specified according to EN 60228:Class 2.
Other types of conductors can be manufactured by agreement.

Table 1 Construction and dimensions.

Area (mm ²)	Wire (nominal)		Conductor (calculated values)		Max resistance according to EN 60228 (Ω/km)	Standard length (m)
	Number of wires	Diameter (mm)	Diameter (mm)	Weight (kg/km)		
10	7	1.37	4.1	93	1.83	5600
16	7	1.71	5.1	145	1.15	3450
25	7	2.13	6.4	225	0.727	2200
35	7	2.52	7.6	315	0.524	1500
50 ¹⁾	7	3.02	9.1	453	0.387	1100
50	19	1.82	9.1	449	0.387	1100
70 ¹⁾	7	3.57	10.7	633	0.268	800
70	19	2.17	10.9	638	0.268	800
95	19	2.52	12.6	861	0.193	600
95	37	1.81	12.7	867	0.193	600
120 ¹⁾	19	2.84	14.2	1090	0.153	460
120	37	2.03	14.2	1090	0.153	460
150	37	2.27	15.9	1360	0.124	370
185	37	2.52	17.6	1680	0.0991	300
240	37	2.89	20.2	2210	0.0754	230
300 ¹⁾	37	3.22	22.5	2740	0.0601	183

¹⁾=Not according to EN 60228:Class 2 because of the number of wires.

2 Tolerances

Direction of lay: Innermost layer right-handed.
Successive layers will have the reversed lay direction.

3 Form of delivery

Our standard lengths (see table 1) are delivered on wooden drum K9 and has a net weight of appr. 500 kgs.
Other types of package and lengths can be delivered by agreement.

4 Requirements

Copper Cu-ETP
Density: 8.93 g/cm³
Elongation: A_{200 mm} min 26% ((A026) acc. to EN 13602))

5 References

IEC 60228 Conductors of insulated cables
EN 13602 Copper and copper alloys - Drawn. round copper wire for the manufacture of electrical conductors

6 Miscellaneous

Wrapping test and reverse bend test according to EN 13602 is not done.
There are no welded joints in the stranded conductor.