



# EK SPEC 184

## Cu-conductor, Stranded, Earthing

### 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.

Dimension	Wire (nominal)		Conductor (calculated values)			Standardlength (m and drum type)	Available in stock
	Area (mm <sup>2</sup> )	Number of wires	Diameter (mm)	Diameter (mm)	Max. resistance (Ω/km)		
16	7	1.69	5.1	1.15	142	3000 m K9	X
25	7	2.09	6.3	0.727	215	500 m K6, 2000 m K9	X
35	7	2.47	7.4	0.524	303	1500 m K9	X
50 <sup>1)</sup>	7	2.87	8.6	0.387	411	1000 m K9	X
70 <sup>1)</sup>	7	3.47	10.4	0.268	633	800 m K9	X
70	19	2.12	10.6	0.268	638	800 m K9	X
95	19	2.47	12.4	0.193	861	600 m K9	X
120 <sup>1)</sup>	19	2.76	13.8	0.153	1090	500 m K9	X
120	37	1.99	13.9	0.153	1090	500 m K9	X
150 <sup>1)</sup>	19	3.08	15.4	0.124	1360	400 m K9	X
150	37	2.20	15.4	0.124	1360	400 m K9	X
185	37	2.48	17.4	0.0991	1680	300 m K9	X
240	37	2.84	19.9	0.0754	2210	230 m K9	X
300 <sup>1)</sup>	37	3.22	22.5	0.0601	2740	183 m K9	-

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

### 2 Tolerances

Lay direction: Innermost layer right-handed.

### 3 Form of delivery

Our standard lengths in stock (see table 1) are delivered on wooden drum K9 and has a net weight of appr. 500 kgs.  
25/7 is also available on smaller drums (K6) on lengths of 500 m.  
Other types of package and lengths can be delivered by agreement.

### 4 Requirements

Copper Cu-ETP  
Density: 8.93 g/cm<sup>3</sup>  
Elongation: A<sub>200 mm</sub> min 26% ((A026) acc. to EN 13602))

### 5 References

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

### 6 Miscellaneous

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