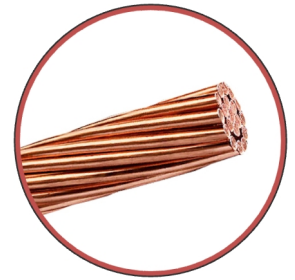


EK SPEC 186 CuMg-conductor



1 Dimensions

Table 1 Structure and dimensions.

Dimension Area (mm ²)	Wire (nominal)		Conductor (calculated value)		
	Number of wires	Diameter (mm)	Diameter (mm)	Max. resistance (Ω/km)	Weight (kg/km)
10	7	1.35	4.1	2.9845	90
25	7	2.10	6.3	1.2002	218
35	7	2.50	7.5	0.8403	310
50	7	3.00	9.0	0.5796	446
50 ¹⁾	7	2.97	8.91	0.5796	437
50	19	1.80	9.0	0.6068	438
70	19	2.10	10.5	0.4422	596
70 ¹⁾	19	2,08	10.4	0.4422	585
95	19	2.50	12.5	0.3096	845
120	19	2.80	14.0	0.2457	1060
150	37	2.25	15.8	0.1972	1338

¹⁾ = Lean wire

2 Tolerance of Dimensions

Weight tolerance: ± 3 % on values from table 1.
¹⁾ ± 2 % on values from table 1.

Table 2 Lay ratio (according to DIN 48201 Teil 2).

Number of wires in the cable	6-wire lays		12-wire lays		18-wire lays	
	min	max	min	max	min	max
7	10	14	-	-	-	-
19	10	16	10	14	-	-
37	10	17	10	16	10	14

3 Form of delivery

Standard packaging: E10 max 1200kg
E12 max 2000kg
Other forms of delivery and types of package can be made by agreement.
The material is protected with black plastic film.

4 Requirements

Coppermagnesium 0,3%
Density: 8.9 g/cm³
Resistance: See table 1
Tensile strength: min 589 N/mm²

5 Miscellaneous

Otherwise according to DIN 48201 Teil 2.
Strands according to EK SPEC 126.
There are no welded joints in the stranded conductor.