

# EK SPEC 190 Stranded Copper Conductor, multi wire



## 1 Dimensions

Area	Class 2	Max Resistance	Class 5	Class 6	Max Resistance
0.25	7 x 0.20	80.5			
0.5	7 x 0.30	36.0	14 x 0.21		39
0.75	7 X 0.36	24.5	21 x 0.21		26
1	7 x 0.41	18.1	28 x 0.21		19.5
1.5			27 x 0.26		13.3
2.5			43 x 0.26		7.98
4			52 x 0.31		4.95
6			77 x 0.31	160 x 0.21	3.3
10			72 x 0.41	270 x 0.21	1.91
16			112 x 0.41	512 x 0.19	1.21
25			187 x 0.41	700 x 0.21	0.78
35			252 x 0.41	1184 x 0.19	0.554
50			360 x 0.41	646 x 0.31	0.386
70			513 x 0.41	900 x 0.31	0.272
95			703 x 0.41	1248 x 0.31	0.206
120			864 x 0.41	1560 x 0.31	0.161
150			1073 x 0.41	1924 x 0.31	0.129

## 2 Tolerance of dimensions

By agreement.

## 3 Form of delivery

Packing	Approx Capacity (kg)	Area interval (mm <sup>2</sup> )
DIN 560	230	0.50 - 4.00
DIN 630	400	0.50 - 4.00
GL 800	650	10.0 - 35.0
Drum 3	650	10.0 - 35.0

Other types of package and lengths can be delivered by agreement.

## 4 Requirements

Copper Cu-ETP1

Density: 8.93 g/cm<sup>3</sup>

Tensile Strength: R<sub>m</sub> (min 200 N/mm<sup>2</sup>)

Dimensions (mm)	Elongation L <sub>200</sub> Min. (%)
0.16 - 0.32	19
(0.32) - 0.50	20
(0.50) - 1.00	22

## 5 References

EN 13602 Copper and copper alloys - Drawn round copper wire for the manufacture of electrical conductors

IEC 60228 Conductors of insulated cables

Author: Hendess, Viktor  
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Approved by: Ciardi, Jonas  
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