

Conductor-diameters according to DIN VDE 0295

The indicated values are stated in the following table containing the conductor diameters according to the dimension of cross-sections and conductor classes in DIN VDE 0295.

Single-wire round (Cu and Alu) Class 1			Multi stranded wires, round compacted (Cu) class 2	Fine and extra-fine copper wires class 5 and 6
Nominal- cross-section mm ²	min- \varnothing ³⁾ mm	max- \varnothing mm	max- \varnothing mm	max- \varnothing mm
0,5	–	0,9	1,1	1,1
0,75	–	1,0	1,2	1,3
1	–	1,2	1,4	1,5
1,5	–	1,5	1,7	1,8
2,5	–	1,9	2,2	2,3
4	–	2,4	2,7	2,9
6	–	2,9	3,3	3,9
10	–	3,7	4,2	5,1
16	–	4,6	5,3	6,3
25	5,2 ¹⁾	5,7 ²⁾	6,6	7,8
35	6,1 ¹⁾	6,7 ²⁾	7,9	9,2
50	7,2 ¹⁾	7,8 ²⁾	9,1	11,0
70	8,7 ¹⁾	9,4 ²⁾	11,0	13,1
95	10,3 ¹⁾	11,0 ²⁾	12,9	15,1
120	11,6 ¹⁾	12,4 ²⁾	14,5	17,0
150	12,9 ¹⁾	13,8 ²⁾	16,2	19,0
185	–	–	18,0	21,0
240	–	–	20,6	24,0
300	–	–	23,1	27,0
400	–	–	26,1	31,0
500	–	–	29,2	35,0
630	–	–	33,2	39,0
800	–	–	37,6	–
1000	–	–	42,2	–

¹⁾ only for Aluminium round conductor

²⁾ for mineral-insulated round conductor, only for copper

³⁾ min- \varnothing for round Cu-conductor are not scheduled