



### Wire Diameters and Conductor Resistance

Nominal cross-section mm <sup>2</sup>	Maximum diameter of the single wires mm		Resistance of the conductor at 20°C Ω/km	
	Conductor (Class 5)	Conductor (Class 6)	Bare single wires	Tinned single wires
0.5	0.21	0.16	39	40.1
0.75	0.21	0.16	26	26.7
1	0.21	0.16	19.5	20
1.5	0.26	0.16	13.3	13.7
2.5	0.26	0.16	7.98	8.21
4	0.31	0.16	4.95	5.09
6	0.31	0.21	3.30	3.39
10	0.41	0.21	1.91	1.95
16	0.41	0.21	1.21	1.24
25	0.41	0.21	0.780	0.795
35	0.41	0.21	0.554	0.565
50	0.41	0.31	0.386	0.393
70	0.41	0.31	0.272	0.277
95	0.41	0.31	0.206	0.210
120	0.41	0.31	0.161	0.164
150	0.41	0.31	0.129	0.132
185	0.41	0.41	0.106	0.108
240	0.41	0.41	0.0801	0.0817
300	0.41	0.41	0.0641	0.0654