

Cu ropes

Bare copper conductors

Standard: ČSN 34 7201 (IEC 228)

Usage:

The conductors are intended for connections of locations of equal electrical potential or for high currents and low voltages.



Nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Standard lengths/packing (m)
Cu solid conductor for fixed installation (IEC 228 class 1)				
0.5	36.00	0.8	5	1000 Sp
0.75	24.50	1.0	7	1000 Sp
1	18.10	1.1	10	1000 Sp
1.5	12.10	1.4	15	1000 Sp
2.5	7.41	1.8	25	1000 Sp
4	4.61	2.2	39	1000 Sp
6	3.08	2.7	59	1000 Sp
10	1.83	3.5	98	1000 T
16	1.15	4.4	157	1000 T

Nominal cross section (mm ²)	Minimum number of wires in conductor	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Standard lengths/packing (m)
Cu stranded conductor for fixed installation (IEC 228 class 2)					
1.5	7	12.1000	1.6	15	1000 Sp
2.5	7	7.4100	2.0	25	1000 Sp
4	7	4.6100	2.6	39	1000 Sp
6	7	3.0800	2.9	59	1000 T
10	7	1.8300	3.7	98	1000 T
16	7	1.1500	4.7	157	1000 T
25	7	0.7270	6.0	245	1000 T
35	7	0.5240	6.9	343	1000 T
50	7	0.3870	8.2	490	1000 T
70	19	0.2680	9.8	686	1000 T
95	19	0.1930	11.6	931	500 T
120	19	0.1530	13.1	1,176	500 T
150	19	0.1240	14.4	1,470	500 T

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Nominal cross section (mm ²)	Minimum number of wires in conductor	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Standard lengths/ packing (m)
Cu stranded conductor for fixed installation (IEC 228 class 2)					
185	37	0.0991	16.2	1,813	250 T
240	37	0.0754	18.7	2,352	250 T
300	37	0.0601	21.1	2,940	250 T
400	61	0.0470	24.3	3,920	200 T
500	61	0.0366	27.2	4,900	200 T
630	61	0.0283	30.9	6,174	200 T

Nominal cross section (mm ²)	Maximum diameter of wires in conductor (mm)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Standard lengths/ packing (m)
Cu stranded conductor for movable installation (IEC 228 class 5)					
0.5	0.21	39.0000	1.0	5	1000 Sp
0.75	0.21	26.0000	1.1	7	1000 Sp
1	0.21	19.5000	1.3	10	1000 Sp
1.5	0.26	13.3000	1.6	15	1000 Sp
2.5	0.26	7.9800	2.0	25	1000 Sp
4	0.31	4.9500	2.5	39	1000 Sp
6	0.31	3.3000	3.2	59	1000 T
10	0.41	1.9100	4.8	98	1000 T
16	0.41	1.2100	5.5	157	1000 T
25	0.41	0.7800	7.2	245	1000 T
35	0.41	0.5540	8.4	343	1000 T
50	0.41	0.3860	10.2	490	1000 T
70	0.51	0.2720	12.8	686	1000 T
95	0.51	0.2060	14.0	931	500 T
120	0.51	0.1610	16.0	1,176	500 T
150	0.51	0.1290	17.9	1,470	250 T
185	0.51	0.1060	19.6	1,813	250 T
240	0.51	0.0801	22.8	2,352	250 T

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Nominal cross section (mm ²)	Maximum diameter of wires in conductor (mm)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Standard lengths/ packing (m)
Cu stranded conductor for high movable installation (IEC 228 class 6)					
0.5	0.16	39.0000	0.9	5	1000 Sp
0.75	0.16	26.0000	1.1	7	1000 Sp
1	0.16	19.5000	1.2	10	1000 Sp
1.5	0.16	13.3000	1.5	15	1000 Sp
2.5	0.16	7.9800	1.6	25	1000 Sp
4	0.16	4.9500	2.5	39	1000 Sp
6	0.21	3.3000	3.6	59	1000 T
10	0.21	1.9100	5.0	98	1000 T
16	0.21	1.2100	6.0	157	1000 T
25	0.21	0.7800	7.5	245	1000 T
35	0.21	0.5540	8.8	343	1000 T
50	0.31	0.3860	10.5	490	1000 T
70	0.31	0.2720	12.5	686	1000 T
95	0.31	0.2060	14.7	931	500 T
120	0.31	0.1610	17.1	1,176	500 T
150	0.41	0.1290	18.3	1,470	250 T
185	0.41	0.1060	19.9	1,813	250 T
240	0.41	0.0801	22.5	2,352	250 T

Subject to technical changes.