



**Specification:** SANS 1411-1, BS 13602.

**Application:** Solid bare copper conductors.

**Construction:** Bare copper, solid wire

Nominal diameter	Area	Nominal weight	Resistance dc @ 20 °C (Annealed)	Resistance dc @ 20 °C (Hard drawn)	Nominal diameter	Area	Nominal weight	Resistance dc @ 20 °C (Annealed)	Resistance dc @ 20 °C (Hard drawn)	Nominal diameter	Area	Nominal weight	Resistance dc @ 20 °C (Annealed)	Resistance dc @ 20 °C (Hard drawn)	Nominal diameter	Area	Nominal weight	Resistance dc @ 20 °C (Annealed)	Resistance dc @ 20 °C (Hard drawn)
mm	mm <sup>2</sup>	kg/km	Ω/km	Ω/km	mm	mm <sup>2</sup>	kg/km	Ω/km	Ω/km	mm	mm <sup>2</sup>	kg/km	Ω/km	Ω/km	mm	mm <sup>2</sup>	kg/km	Ω/km	Ω/km
0.50	0.20	1.75	87.00	92.81	1.68	2.22	19.71	7.71	8.22	3.35	8.81	78.36	1.94	2.07	6.00	28.27	251.36	0.60	0.64
0.51	0.20	1.80	84.28	89.91	1.70	2.27	20.18	7.53	8.03	3.40	9.08	80.71	1.88	2.01	6.40	32.17	285.99	0.53	0.57
0.53	0.22	1.98	76.56	81.67	1.75	2.41	21.38	7.10	7.58	3.45	9.35	83.11	1.83	1.95	6.50	33.18	295.00	0.51	0.55
0.56	0.25	2.18	69.60	74.25	1.80	2.54	22.62	6.71	7.16	3.50	9.62	85.53	1.78	1.89	6.54	33.59	298.64	0.51	0.54
0.60	0.28	2.51	60.42	64.45	1.83	2.63	23.38	6.49	6.93	3.56	9.95	88.49	1.72	1.83	7.00	38.48	342.13	0.44	0.47
0.65	0.33	2.95	51.48	54.92	1.90	2.84	25.21	6.02	6.43	3.60	10.18	90.49	1.68	1.79	7.35	42.43	377.20	0.40	0.43
0.66	0.34	3.04	49.93	53.27	2.00	3.14	27.93	5.44	5.80	3.70	10.75	95.59	1.59	1.69	7.50	44.18	392.75	0.39	0.41
0.68	0.36	3.23	47.04	50.18	2.03	3.24	28.77	5.28	5.63	3.76	11.10	98.71	1.54	1.64	7.62	45.60	405.42	0.37	0.40
0.70	0.38	3.42	44.39	47.35	2.10	3.46	30.79	4.93	5.26	3.80	11.34	100.82	1.51	1.61	8.00	50.27	446.86	0.34	0.36
0.72	0.41	3.62	41.96	44.76	2.13	3.56	31.68	4.79	5.11	3.86	11.70	104.03	1.46	1.56	8.25	53.46	475.23	0.32	0.34
0.75	0.44	3.93	38.67	41.25	2.20	3.80	33.79	4.49	4.79	3.90	11.95	106.20	1.43	1.53	8.50	56.75	504.46	0.30	0.32
0.78	0.48	4.25	35.75	38.14	2.25	3.98	35.35	4.30	4.58	4.00	12.57	111.72	1.36	1.45	9.00	63.62	565.56	0.27	0.29
0.80	0.50	4.47	33.98	36.25	2.30	4.15	36.94	4.11	4.39	4.06	12.95	115.09	1.32	1.41	9.50	70.88	630.14	0.24	0.26
0.91	0.65	5.81	26.15	27.90	2.36	4.37	38.89	3.91	4.17	4.11	13.27	117.94	1.29	1.37	10.00	78.54	698.22	0.22	0.23
0.91	0.66	5.83	26.03	27.77	2.40	4.52	40.22	3.78	4.03	4.12	13.33	118.52	1.28	1.37	10.20	81.71	726.43	0.21	0.22
1.00	0.79	6.98	21.75	23.20	2.44	4.68	41.57	3.65	3.90	4.20	13.85	123.17	1.23	1.32	10.40	84.95	755.19	0.20	0.21
1.02	0.82	7.26	20.90	22.30	2.46	4.75	42.25	3.59	3.83	4.24	14.12	125.52	1.21	1.29	10.50	86.59	769.79	0.20	0.21
1.05	0.87	7.70	19.73	21.05	2.50	4.91	43.64	3.48	3.71	4.27	14.32	127.31	1.19	1.27	11.00	95.03	844.84	0.18	0.19
1.07	0.90	7.99	19.00	20.27	2.54	5.07	45.05	3.37	3.60	4.34	14.79	131.51	1.15	1.23	11.50	103.87	923.39	0.16	0.18
1.10	0.95	8.45	17.97	19.18	2.59	5.27	46.84	3.24	3.46	4.40	15.21	135.18	1.12	1.20	11.70	107.51	955.79	0.16	0.17
1.12	0.99	8.76	17.34	18.50	2.60	5.31	47.20	3.22	3.43	4.47	15.69	139.51	1.09	1.16	11.80	109.36	972.20	0.16	0.17
1.20	1.13	10.05	15.10	16.11	2.70	5.73	50.90	2.98	3.18	4.50	15.90	141.39	1.07	1.15	12.00	113.10	1005.44	0.15	0.16
1.25	1.23	10.91	13.92	14.85	2.74	5.90	52.42	2.90	3.09	4.60	16.62	147.74	1.03	1.10	12.50	122.72	1090.97	0.14	0.15
1.30	1.33	11.80	12.87	13.73	2.80	6.16	54.74	2.77	2.96	4.67	17.13	152.27	1.00	1.06	12.70	126.68	1126.16	0.13	0.14
1.32	1.37	12.17	12.48	13.32	2.84	6.33	56.32	2.70	2.88	4.80	18.10	160.87	0.94	1.01	13.00	132.73	1179.99	0.13	0.14
1.35	1.43	12.73	11.93	12.73	2.90	6.61	58.72	2.59	2.76	4.90	18.86	167.64	0.91	0.97	14.00	153.94	1368.51	0.11	0.12
1.40	1.54	13.69	11.10	11.84	2.95	6.83	60.76	2.50	2.67	5.00	19.63	174.55	0.87	0.93	15.00	176.71	1570.99	0.10	0.10
1.45	1.65	14.68	10.34	11.04	3.00	7.07	62.84	2.42	2.58	5.19	21.16	188.07	0.81	0.86	16.00	201.06	1787.44	0.08	0.09
1.50	1.77	15.71	9.67	10.31	3.05	7.31	64.95	2.34	2.49	5.38	22.73	202.10	0.75	0.80	17.00	226.98	2017.85	0.08	0.08
1.52	1.81	16.13	9.41	10.04	3.10	7.55	67.10	2.26	2.41	5.46	23.41	208.15	0.73	0.78	18.00	254.47	2262.23	0.07	0.07
1.55	1.89	16.77	9.05	9.66	3.15	7.79	69.28	2.19	2.34	5.50	23.76	211.21	0.72	0.77	19.00	283.53	2520.57	0.06	0.06
1.60	2.01	17.87	8.50	9.06	3.20	8.04	71.50	2.12	2.27	5.68	25.34	225.26	0.67	0.72					
1.63	2.09	18.55	8.19	8.73	3.25	8.30	73.75	2.06	2.20	5.83	26.69	237.32	0.64	0.68					
1.65	2.14	19.01	7.99	8.52	3.30	8.55	76.04	2.00	2.13	5.89	27.25	242.23	0.63	0.67					

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