

## 2. Impulse heating

### Flat bands, hollow bands, chamfered bands, beaded bands, low resistance, per meter

Dimensions	mm <sup>2</sup>	mΩ/m
1.00 x 0.15	0.150	5867
1.00 x 0.30	0.300	2933
1.50 x 0.15	0.225	3911
1.50 x 0.30	0.450	1956
2.00 x 0.10	0.200	4400
2.00 x 0.12	0.240	3667
2.00 x 0.15	0.300	2933
2.00 x 0.20	0.400	2200
2.00 x 0.25	0.500	1760
2.00 x 0.30	0.600	1467
2.00 x 0.40	0.800	1100
2.20 x 0.12	0.264	3333
2.20 x 0.20	0.440	2000
2.25 x 0.40	0.900	978
2.50 x 0.15	0.375	2347
2.50 x 0.20	0.500	1760
2.50 x 0.25	0.625	1408
2.50 x 0.30	0.750	1173
2.50 x 0.35	0.875	1006
2.50 x 0.40	1.000	880
2.50 x 0.50	1.250	704
3.00 x 0.08	0.240	3667
3.00 x 0.10	0.300	2933
3.00 x 0.12	0.360	2444
3.00 x 0.15	0.450	1956
3.00 x 0.20	0.600	1467
3.00 x 0.25	0.750	1173
3.00 x 0.30	0.900	978
3.00 x 0.35	1.050	838
3.00 x 0.40	1.200	733
3.00 x 0.50	1.500	587
3.20 x 0.10	0.320	2750
3.50 x 0.10	0.350	2514
3.50 x 0.20	0.700	1257
3.50 x 0.25	0.875	1006
3.50 x 0.30	1.050	838
3.50 x 0.35	1.225	718
3.50 x 0.40	1.400	629
4.00 x 0.05	0.200	4400
4.00 x 0.10	0.400	2200
4.00 x 0.15	0.600	1467
4.00 x 0.20	0.800	1100
4.00 x 0.25	1.000	880
4.00 x 0.30	1.200	733
4.00 x 0.35	1.400	629
4.00 x 0.40	1.600	550
4.00 x 0.50	2.000	440
4.00 x 0.60	2.400	367
4.50 x 0.15	0.675	1304

Dimensions	mm <sup>2</sup>	mΩ/m
4.50 x 0.25	1.125	782
4.80 x 0.30	1.440	611
4.80 x 0.35	1.680	524
4.80 x 0.40	1.920	458
5.00 x 0.10	0.500	1760
5.00 x 0.15	0.750	1173
5.00 x 0.20	1.000	880
5.00 x 0.25	1.250	704
5.00 x 0.30	1.500	587
5.00 x 0.35	1.750	503
5.00 x 0.40	2.000	440
5.00 x 0.50	2.500	352
6.00 x 0.10	0.600	1467
6.00 x 0.12	0.720	1222
6.00 x 0.15	0.900	978
6.00 x 0.20	1.200	733
6.00 x 0.25	1.500	587
6.00 x 0.30	1.800	489
6.00 x 0.35	2.100	419
6.00 x 0.50	3.000	293
8.00 x 0.08	0.640	1375
8.00 x 0.10	0.800	1100
8.00 x 0.15	1.200	733
8.00 x 0.20	1.600	550
8.00 x 0.25	2.000	440
8.00 x 0.30	2.400	367
8.00 x 0.40	3.200	275
8.00 x 0.50	4.000	220
8.50 x 0.15	1.275	690
10.00 x 0.10	1.000	880
10.00 x 0.15	1.500	587
10.00 x 0.20	2.000	440
10.00 x 0.25	2.500	352
10.00 x 0.30	3.000	293
10.00 x 0.40	4.000	220
10.00 x 0.50	5.000	176
11.00 x 0.30	3.300	267
12.00 x 0.10	1.200	733
12.00 x 0.15	1.800	489
12.00 x 0.20	2.400	367
15.00 x 0.25	3.750	235
15.00 x 0.50	7.500	117
15.50 x 0.50	7.750	114
16.00 x 0.15	2.400	367
20.00 x 0.15	3.000	293
20.00 x 0.25	5.000	176
25.00 x 0.15	3.750	235
25.00 x 0.20	5.000	176

special dimensions on request

## 2. Impulse heating

### Cutting wire / special profiles, low-resistance, per meter

Cutting wire Ø	mm <sup>2</sup>	mΩ/m
0.30	0.0707	12447
0.40	0.1257	7001
0.50	0.1963	4483
0.60	0.2827	3113
0.70	0.3848	2287
0.80	0.5027	1751
0.90	0.6362	1383
1.00	0.7854	1120
1.10	0.9503	926
1.20	1.1310	778
1.50	1.7671	498
2.00	3.1416	357

t-profile	mm <sup>2</sup>	mΩ/m
2.30	0.8708	1010
2.80	1.0602	830
4.00	1.4194	620
6.00	2.3158	380
Cutting profile single-sided	mm <sup>2</sup>	mΩ/m
1.80	0.7364	1195
2.30	0.8224	1070
3.4	1.3173	668
semicircular wire		
1.50 x 0.75	0.8831	996
1.75 x 0.87	1.2020	732
oval wire		
1.50 x 0.75	0.8831	996
2.40 x 1.40	2.6376	334

### Filoflex®, low-resistance

Ø in mm	mm <sup>2</sup>	mΩ/m
0.35	0.0800	11000
0.60	0.2404	3661
0.70	0.3188	2760
0.80	0.4211	2090
1.00	0.6519	1350

Ø in mm	mm <sup>2</sup>	mΩ/m
1.25	0.9888	890
1.50	1.4426	610
1.60	1.6296	540
2.00	2.2564	390

### Flat band, high-resistance, per meter

Dimensions	mm <sup>2</sup>	mΩ/m
1.00 x 0.15	0.1500	7467
1.50 x 0.10	0.1500	7467
1.50 x 0.20	0.3000	3733
2.00 x 0.10	0.2000	5600
2.00 x 0.125	0.2500	4480
2.00 x 0.15	0.3000	3733
2.00 x 0.20	0.4000	2800
2.00 x 0.25	0.5000	2240
2.00 x 0.30	0.6000	1867
2.25 x 0.20	0.4500	2489
2.50 x 0.10	0.2500	4480
2.50 x 0.125	0.3125	3584
2.50 x 0.15	0.3750	2987
2.50 x 0.20	0.5000	2240
2.50 x 0.25	0.6250	1792
2.50 x 0.30	0.7500	1493
3.00 x 0.10	0.3000	3733
3.00 x 0.15	0.4500	2489
3.00 x 0.20	0.6000	1867
3.00 x 0.25	0.7500	1493
3.00 x 0.30	0.9000	1244
3.00 x 0.40	1.2000	933
3.00 x 0.50	1.5000	747
3.00 x 0.60	1.8000	622

Dimensions	mm <sup>2</sup>	mΩ/m
3.50 x 0.20	0.7000	1600
3.50 x 0.30	1.0500	1067
4.00 x 0.10	0.4000	2800
4.00 x 0.15	0.6000	1867
4.00 x 0.20	0.8000	1400
4.00 x 0.25	1.0000	1120
4.00 x 0.30	1.2000	933
4.00 x 0.40	1.6000	700
4.00 x 0.50	2.0000	560
4.50 x 0.10	0.4500	2489
4.50 x 0.25	1.1250	996
5.00 x 0.10	0.5000	2240
5.00 x 0.15	0.7500	1493
5.00 x 0.20	1.0000	1120
5.00 x 0.30	1.5000	747
5.00 x 0.40	2.0000	560
6.00 x 0.10	0.6000	1867
6.00 x 0.15	0.9000	1244
6.00 x 0.20	1.2000	933
6.00 x 0.30	1.8000	622
8.00 x 0.10	0.8000	1400
8.00 x 0.20	1.6000	700

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### Cutting wire, high-resistance, per meter

Cutting wire Ø	mm <sup>2</sup>	mΩ/m
0.30	0.0707	15842
0.40	0.1257	8910
0.50	0.1963	5706
0.60	0.2827	3962
0.70	0.3848	2911
0.80	0.5027	2228

Cutting wire Ø	mm <sup>2</sup>	mΩ/m
0.90	0.6362	1760
1.00	0.7854	1426
1.10	0.9503	1179
1.20	1.1310	990
1.50	1.7671	634
2.00	3.1416	357

Special dimensions on request

### Norex<sup>®</sup> heating element

dimensions flat band	mm <sup>2</sup>	mΩ/m
3 x 0.2	0.6000	767
5 x 0.2	1.0000	460
6 x 0.2	1.2000	383
8 x 0.2	1.6000	288
10 x 0.2	2.0000	230
12 x 0.2	2.4000	192
15 x 0.2	3.0000	153

cutting wire Ø	mm <sup>2</sup>	mΩ/m
1.0	0.7854	586
1.2	1.1310	407
1.5	1.7671	260

triangular profile	mm <sup>2</sup>	mΩ/m
1.8	1.0648	432

Special profiles on request

Contoured bands are available in a thickness of 0.2 mm.