PRODUCT DATASHEET / 2026

HEATING RESISTANCE STRIP · 镍铬 · 铁铬铝 电热扁带

STRIP

Width 5.0–300 mm · Thickness 0.05–4.0 mm · Rolled edge · GB/T 1234-2012

Wide, thin heating strip for radiant panels, furnace walls and large-area elements — slit or rolled edge.

宽幅薄带——辐射板、炉墙与大面积发热元件用材，可切边或轧制边。

Strip is the wide, thin form of the same alloys: 5.0–300 mm across and 0.05–4.0 mm thick, supplied as wide coil slit to width or with the original rolled edge. It is used where the element is a surface rather than a coil — radiant panels, furnace walls, heating tables and large-area heaters.

The two edge types are not interchangeable. Slit edge is cut square with disc shears: sharp, accurate in width, area = width × thickness. Rolled edge keeps the original rolled profile: rounded and burr-free, with a wider width tolerance and area ≈ width × thickness × 0.98. Every table in this brochure is rolled-edge data.

Ten grades are covered — four nickel-chromium and six iron-chromium-aluminium, all to GB/T 1234-2012, with thickness and width tolerances on the closing page.

SPECIFICATION 规格

ALLOY RANGE 合金范围
4 Ni–Cr + 6 Fe–Cr–Al

WIDTH 宽度
5.0–300 mm

THICKNESS 厚度
0.05–4.0 mm

EDGE 边部
Slit or rolled

GRADES IN THIS BROCHURE 本册牌号

NICKEL–CHROMIUM 4		IRON–CHROMIUM–ALUMINIUM 6	
Cr20Ni80	1.09–1.14 ±0.05 μΩ·m	**0Cr25Al5**	1.42 ±0.07 μΩ·m
Cr15Ni60	1.11–1.15 ±0.05 μΩ·m	**0Cr21Al6Nb**	1.45 ±0.07 μΩ·m
Cr30Ni70	1.18–1.20 ±0.05 μΩ·m	**0Cr23Al5**	1.35 ±0.07 μΩ·m
Cr20Ni35/Cr20Ni30	1.04 ±0.05 μΩ·m	**0Cr20Al6RE**	1.40 ±0.07 μΩ·m
		0Cr20Al3	1.23 ±0.07 μΩ·m
		0Cr24Al6RE	1.48 ±0.07 μΩ·m

ALSO SUPPLIED 其他供货形态

ROUND WIRE	ROUND ROD	FLAT WIRE	STRIP
Ø0.025–12.0 mm	**6.0–150.0 mm**	**0.2–6.0 × 0.08–1.0 mm**	**5.0–300 × 0.05–4.0 mm**
bright or acid-pickled	drawn and annealed	10 grades	this brochure

CONTENTS 01 Nickel-chromium tables 02 Iron-chromium-aluminium tables 03 Notes, other product forms and contact

01 NICKEL-CHROMIUM STRIP 镍铬扁带

GB/T 1234-2012 · TABLE 1 / 2

Cr20Ni80 · Cr15Ni60

Width (mm)	Thickness (mm)	Area (mm²)	Cr20Ni80 1.09–1.14 ±0.05 μΩ·m			Cr15Ni60 1.11–1.15 ±0.05 μΩ·m		
			Ω/m	m/kg	g/m	Ω/m	m/kg	g/m
10	0.5	4.9	0.2224	24.30	41.16	0.2265	24.89	40.18
	0.8	7.84	0.1390	15.18	65.86	0.1416	15.56	64.29
	1.0	9.8	0.1153	12.15	82.32	0.1163	12.44	80.36
	1.2	11.76	0.0961	10.12	98.78	0.0969	10.37	96.43
	1.5	14.7	0.0769	8.10	123.48	0.0776	8.30	120.54
	2.0	19.6	0.0577	6.07	164.64	0.0582	6.22	160.72
15	0.8	11.76	0.0927	10.12	98.78	0.0944	10.37	96.43
	1.0	14.7	0.0769	8.10	123.48	0.0776	8.30	120.54
	1.2	17.64	0.0641	6.75	148.18	0.0646	6.91	144.65
	1.5	22.05	0.0512	5.40	185.22	0.0517	5.53	180.81
	2.0	29.4	0.0384	4.05	246.96	0.0388	4.15	241.08
	2.5	36.75	0.0307	3.24	308.70	0.0310	3.32	301.35
20	0.8	15.68	0.0695	7.59	131.71	0.0708	7.78	128.58
	1.0	19.6	0.0577	6.07	164.64	0.0582	6.22	160.72
	1.2	23.52	0.0480	5.06	197.57	0.0485	5.19	192.86
	1.5	29.4	0.0384	4.05	246.96	0.0388	4.15	241.08
	2.0	39.2	0.0288	3.04	329.28	0.0291	3.11	321.44
	2.5	49	0.0231	2.43	411.60	0.0233	2.49	401.80
	3.0	58.8	0.0192	2.02	493.92	0.0194	2.07	482.16
25	1.0	24.5	0.0461	4.86	205.80	0.0465	4.98	200.90
	1.2	29.4	0.0384	4.05	246.96	0.0388	4.15	241.08
	1.5	36.75	0.0307	3.24	308.70	0.0310	3.32	301.35
	2.0	49	0.0231	2.43	411.60	0.0233	2.49	401.80
	2.5	61.25	0.0184	1.94	514.50	0.0186	1.99	502.25
	3.0	73.5	0.0154	1.62	617.40	0.0155	1.66	602.70
30	1.0	29.4	0.0384	4.05	246.96	0.0388	4.15	241.08
	1.5	44.1	0.0256	2.70	370.44	0.0259	2.77	361.62
	2.0	58.8	0.0192	2.02	493.92	0.0194	2.07	482.16
	2.5	73.5	0.0154	1.62	617.40	0.0155	1.66	602.70
	3.0	88.2	0.0128	1.35	740.88	0.0129	1.38	723.24
	3.5	102.9	0.0110	1.16	864.36	0.0111	1.19	843.78
35	1.0	34.3	0.0329	3.47	288.12	0.0332	3.56	281.26
	1.5	51.45	0.0220	2.31	432.18	0.0222	2.37	421.89
	2.0	68.6	0.0165	1.74	576.24	0.0166	1.78	562.52
	2.5	85.75	0.0132	1.39	720.30	0.0133	1.42	703.15
	3.0	102.9	0.0110	1.16	864.36	0.0111	1.19	843.78
	3.5	120.1	0.0095	0.99	1008.42	0.0096	1.02	984.41
40	1.0	39.2	0.0288	3.04	329.28	0.0291	3.11	321.44
	1.5	58.8	0.0192	2.02	493.92	0.0194	2.07	482.16
	2.0	78.4	0.0144	1.52	658.56	0.0145	1.56	642.88
	2.5	98	0.0115	1.21	823.20	0.0116	1.24	803.60
	3.0	117.6	0.0096	1.01	987.84	0.0097	1.04	964.32
	3.5	137.2	0.0083	0.87	1152.48	0.0084	0.89	1125.04
	4.0	156.8	0.0073	0.76	1317.12	0.0073	0.78	1285.76

Rolled-edge data: cross-section ≈ width × thickness × 0.98. For slit edge, area = width × thickness.

01 **NICKEL-CHROMIUM STRIP** 镍铬扁带 GB/T 1234-2012 · TABLE 2 / 2

Cr30Ni70 · Cr20Ni35/Cr20Ni30

Width (mm)	Thickness (mm)	Area (mm²)	Cr30Ni70 1.18–1.20 ±0.05 μΩ·m			Cr20Ni35/Cr20Ni30 1.04±0.05 μΩ·m		
			Ω/m	m/kg	g/m	Ω/m	m/kg	g/m
10	0.5	4.9	0.2408	25.20	39.69	0.2122	25.83	38.71
	0.8	7.84	0.1505	15.75	63.50	0.1327	16.15	61.94
	1.0	9.8	0.1214	12.60	79.38	0.1061	12.92	77.42
	1.2	11.76	0.1012	10.50	95.26	0.0884	10.76	92.90
	1.5	14.7	0.0810	8.40	119.07	0.0707	8.61	116.13
	2.0	19.6	0.0607	6.30	158.76	0.0531	6.46	154.84
15	0.8	11.76	0.1003	10.50	95.26	0.0884	10.76	92.90
	1.0	14.7	0.0810	8.40	119.07	0.0707	8.61	116.13
	1.2	17.64	0.0675	7.00	142.88	0.0590	7.18	139.36
	1.5	22.05	0.0540	5.60	178.61	0.0472	5.74	174.20
	2.0	29.4	0.0405	4.20	238.14	0.0354	4.31	232.26
	2.5	36.75	0.0324	3.36	297.68	0.0283	3.44	290.33
20	0.8	15.68	0.0753	7.87	127.01	0.0663	8.07	123.87
	1.0	19.6	0.0607	6.30	158.76	0.0531	6.46	154.84
	1.2	23.52	0.0506	5.25	190.51	0.0442	5.38	185.81
	1.5	29.4	0.0405	4.20	238.14	0.0354	4.31	232.26
	2.0	39.2	0.0304	3.15	317.52	0.0265	3.23	309.68
	2.5	49	0.0243	2.52	396.90	0.0212	2.58	387.10
	3.0	58.8	0.0202	2.10	476.28	0.0177	2.15	464.52
25	1.0	24.5	0.0486	5.04	198.45	0.0424	5.17	193.55
	1.2	29.4	0.0405	4.20	238.14	0.0354	4.31	232.26
	1.5	36.75	0.0324	3.36	297.68	0.0283	3.44	290.33
	2.0	49	0.0243	2.52	396.90	0.0212	2.58	387.10
	2.5	61.25	0.0194	2.02	496.13	0.0170	2.07	483.88
	3.0	73.5	0.0162	1.68	595.35	0.0141	1.72	580.65
30	1.0	29.4	0.0405	4.20	238.14	0.0354	4.31	232.26
	1.5	44.1	0.0270	2.80	357.21	0.0236	2.87	348.39
	2.0	58.8	0.0202	2.10	476.28	0.0177	2.15	464.52
	2.5	73.5	0.0162	1.68	595.35	0.0141	1.72	580.65
	3.0	88.2	0.0135	1.40	714.42	0.0118	1.44	696.78
	3.5	102.9	0.0116	1.20	833.49	0.0101	1.23	812.91
35	1.0	34.3	0.0347	3.60	277.83	0.0303	3.69	270.97
	1.5	51.45	0.0231	2.40	416.75	0.0202	2.46	406.46
	2.0	68.6	0.0173	1.80	555.66	0.0152	1.85	541.94
	2.5	85.75	0.0139	1.44	694.58	0.0121	1.48	677.43
	3.0	102.9	0.0116	1.20	833.49	0.0101	1.23	812.91
	3.5	120.1	0.0099	1.03	972.41	0.0087	1.05	948.40
40	1.0	39.2	0.0304	3.15	317.52	0.0265	3.23	309.68
	1.5	58.8	0.0202	2.10	476.28	0.0177	2.15	464.52
	2.0	78.4	0.0152	1.57	635.04	0.0133	1.61	619.36
	2.5	98	0.0121	1.26	793.80	0.0106	1.29	774.20
	3.0	117.6	0.0101	1.05	952.56	0.0088	1.08	929.04
	3.5	137.2	0.0087	0.90	1111.32	0.0076	0.92	1083.88
	4.0	156.8	0.0077	0.79	1270.08	0.0066	0.81	1238.72

Rolled-edge data: cross-section ≈ width × thickness × 0.98. For slit edge, area = width × thickness.

02 IRON-CHROMIUM-ALUMINIUM STRIP 铁铬铝扁带 GB/T 1234-2012 · TABLE 1 / 3

0Cr25Al5 · 0Cr21Al6Nb

Width (mm)	Thickness (mm)	Area (mm²)	0Cr25Al5 1.42±0.07 μΩ·m			0Cr21Al6Nb 1.45±0.07 μΩ·m		
			Ω/m	m/kg	g/m	Ω/m	m/kg	g/m
10	0.5	4.9	0.2898	28.74	34.79	0.2959	28.74	34.79
	0.8	7.84	0.1811	17.96	55.66	0.1849	17.96	55.66
	1.0	9.8	0.1449	14.37	69.58	0.1480	14.37	69.58
	1.2	11.76	0.1207	11.98	83.50	0.1233	11.98	83.50
	1.5	14.7	0.0966	9.58	104.37	0.0986	9.58	104.37
	2.0	19.6	0.0724	7.19	139.16	0.0740	7.19	139.16
15	0.8	11.76	0.1207	11.98	83.50	0.1233	11.98	83.50
	1.0	14.7	0.0966	9.58	104.37	0.0986	9.58	104.37
	1.2	17.64	0.0805	7.98	125.24	0.0822	7.98	125.24
	1.5	22.05	0.0644	6.39	156.56	0.0658	6.39	156.56
	2.0	29.4	0.0483	4.79	208.74	0.0493	4.79	208.74
	2.5	36.75	0.0386	3.83	260.93	0.0395	3.83	260.93
20	0.8	15.68	0.0906	8.98	111.33	0.0925	8.98	111.33
	1.0	19.6	0.0724	7.19	139.16	0.0740	7.19	139.16
	1.2	23.52	0.0604	5.99	166.99	0.0616	5.99	166.99
	1.5	29.4	0.0483	4.79	208.74	0.0493	4.79	208.74
	2.0	39.2	0.0362	3.59	278.32	0.0370	3.59	278.32
	2.5	49	0.0290	2.87	347.90	0.0296	2.87	347.90
	3.0	58.8	0.0241	2.40	417.48	0.0247	2.40	417.48
25	1.0	24.5	0.0580	5.75	173.95	0.0592	5.75	173.95
	1.2	29.4	0.0483	4.79	208.74	0.0493	4.79	208.74
	1.5	36.75	0.0386	3.83	260.93	0.0395	3.83	260.93
	2.0	49	0.0290	2.87	347.90	0.0296	2.87	347.90
	2.5	61.25	0.0232	2.30	434.88	0.0237	2.30	434.88
	3.0	73.5	0.0193	1.92	521.85	0.0197	1.92	521.85
30	1.0	29.4	0.0483	4.79	208.74	0.0493	4.79	208.74
	1.5	44.1	0.0322	3.19	313.11	0.0329	3.19	313.11
	2.0	58.8	0.0241	2.40	417.48	0.0247	2.40	417.48
	2.5	73.5	0.0193	1.92	521.85	0.0197	1.92	521.85
	3.0	88.2	0.0161	1.60	626.22	0.0164	1.60	626.22
	3.5	102.9	0.0138	1.37	730.59	0.0141	1.37	730.59
35	1.0	34.3	0.0414	4.11	243.53	0.0423	4.11	243.53
	1.5	51.45	0.0276	2.74	365.30	0.0282	2.74	365.30
	2.0	68.6	0.0207	2.05	487.06	0.0211	2.05	487.06
	2.5	85.75	0.0166	1.64	608.83	0.0169	1.64	608.83
	3.0	102.9	0.0138	1.37	730.59	0.0141	1.37	730.59
	3.5	120.1	0.0118	1.17	852.36	0.0121	1.17	852.36
40	1.0	39.2	0.0362	3.59	278.32	0.0370	3.59	278.32
	1.5	58.8	0.0241	2.40	417.48	0.0247	2.40	417.48
	2.0	78.4	0.0181	1.80	556.64	0.0185	1.80	556.64
	2.5	98	0.0145	1.44	695.80	0.0148	1.44	695.80
	3.0	117.6	0.0121	1.20	834.96	0.0123	1.20	834.96
	3.5	137.2	0.0103	1.03	974.12	0.0106	1.03	974.12
	4.0	156.8	0.0091	0.90	1113.28	0.0092	0.90	1113.28

Rolled-edge data: cross-section ≈ width × thickness × 0.98. For slit edge, area = width × thickness.

02 IRON-CHROMIUM-ALUMINIUM STRIP 铁铬铝扁带 GB/T 1234-2012 · TABLE 2 / 3

0Cr23Al5 · 0Cr20Al6RE

Width (mm)	Thickness (mm)	Area (mm²)	0Cr23Al5 1.35±0.07 μΩ·m			0Cr20Al6RE 1.40±0.07 μΩ·m		
			Ω/m	m/kg	g/m	Ω/m	m/kg	g/m
10	0.5	4.9	0.2755	28.15	35.53	0.2857	28.34	35.28
	0.8	7.84	0.1722	17.59	56.84	0.1786	17.72	56.45
	1.0	9.8	0.1378	14.07	71.05	0.1429	14.17	70.56
	1.2	11.76	0.1148	11.73	85.26	0.1190	11.81	84.67
	1.5	14.7	0.0918	9.38	106.58	0.0952	9.45	105.84
	2.0	19.6	0.0689	7.04	142.10	0.0714	7.09	141.12
15	0.8	11.76	0.1148	11.73	85.26	0.1190	11.81	84.67
	1.0	14.7	0.0918	9.38	106.58	0.0952	9.45	105.84
	1.2	17.64	0.0765	7.82	127.89	0.0794	7.87	127.01
	1.5	22.05	0.0612	6.26	159.86	0.0635	6.30	158.76
	2.0	29.4	0.0459	4.69	213.15	0.0476	4.72	211.68
	2.5	36.75	0.0367	3.75	266.44	0.0381	3.78	264.60
20	0.8	15.68	0.0861	8.80	113.68	0.0893	8.86	112.90
	1.0	19.6	0.0689	7.04	142.10	0.0714	7.09	141.12
	1.2	23.52	0.0574	5.86	170.52	0.0595	5.91	169.34
	1.5	29.4	0.0459	4.69	213.15	0.0476	4.72	211.68
	2.0	39.2	0.0344	3.52	284.20	0.0357	3.54	282.24
	2.5	49	0.0276	2.81	355.25	0.0286	2.83	352.80
	3.0	58.8	0.0230	2.35	426.30	0.0238	2.36	423.36
25	1.0	24.5	0.0551	5.63	177.63	0.0571	5.67	176.40
	1.2	29.4	0.0459	4.69	213.15	0.0476	4.72	211.68
	1.5	36.75	0.0367	3.75	266.44	0.0381	3.78	264.60
	2.0	49	0.0276	2.81	355.25	0.0286	2.83	352.80
	2.5	61.25	0.0220	2.25	444.06	0.0229	2.27	441.00
	3.0	73.5	0.0184	1.88	532.88	0.0190	1.89	529.20
30	1.0	29.4	0.0459	4.69	213.15	0.0476	4.72	211.68
	1.5	44.1	0.0306	3.13	319.73	0.0317	3.15	317.52
	2.0	58.8	0.0230	2.35	426.30	0.0238	2.36	423.36
	2.5	73.5	0.0184	1.88	532.88	0.0190	1.89	529.20
	3.0	88.2	0.0153	1.56	639.45	0.0159	1.57	635.04
	3.5	102.9	0.0131	1.34	746.03	0.0136	1.35	740.88
35	1.0	34.3	0.0394	4.02	248.68	0.0408	4.05	246.96
	1.5	51.45	0.0262	2.68	373.01	0.0272	2.70	370.44
	2.0	68.6	0.0197	2.01	497.35	0.0204	2.02	493.92
	2.5	85.75	0.0157	1.61	621.69	0.0163	1.62	617.40
	3.0	102.9	0.0131	1.34	746.03	0.0136	1.35	740.88
	3.5	120.1	0.0112	1.15	870.36	0.0117	1.16	864.36
40	1.0	39.2	0.0344	3.52	284.20	0.0357	3.54	282.24
	1.5	58.8	0.0230	2.35	426.30	0.0238	2.36	423.36
	2.0	78.4	0.0172	1.76	568.40	0.0179	1.77	564.48
	2.5	98	0.0138	1.41	710.50	0.0143	1.42	705.60
	3.0	117.6	0.0115	1.17	852.60	0.0119	1.18	846.72
	3.5	137.2	0.0098	1.01	994.70	0.0102	1.01	987.84
	4.0	156.8	0.0086	0.88	1136.80	0.0089	0.89	1128.96

Rolled-edge data: cross-section ≈ width × thickness × 0.98. For slit edge, area = width × thickness.

02 IRON-CHROMIUM-ALUMINIUM STRIP 铁铬铝扁带 GB/T 1234-2012 · TABLE 3 / 3

0Cr20Al3 · 0Cr24Al6RE

Width (mm)	Thickness (mm)	Area (mm²)	0Cr20Al3 1.23±0.07 μΩ·m			0Cr24Al6RE 1.48±0.07 μΩ·m		
			Ω/m	m/kg	g/m	Ω/m	m/kg	g/m
10	0.5	4.9	0.2510	27.77	36.02	0.3020	28.74	34.79
	0.8	7.84	0.1569	17.35	57.62	0.1888	17.96	55.66
	1.0	9.8	0.1255	13.88	72.03	0.1510	14.37	69.58
	1.2	11.76	0.1046	11.57	86.44	0.1259	11.98	83.50
	1.5	14.7	0.0837	9.26	108.05	0.1007	9.58	104.37
	2.0	19.6	0.0628	6.94	144.06	0.0755	7.19	139.16
15	0.8	11.76	0.1046	11.57	86.44	0.1259	11.98	83.50
	1.0	14.7	0.0837	9.26	108.05	0.1007	9.58	104.37
	1.2	17.64	0.0697	7.71	129.65	0.0839	7.98	125.24
	1.5	22.05	0.0558	6.17	162.07	0.0671	6.39	156.56
	2.0	29.4	0.0418	4.63	216.09	0.0503	4.79	208.74
	2.5	36.75	0.0335	3.70	270.11	0.0403	3.83	260.93
20	0.8	15.68	0.0784	8.68	115.25	0.0944	8.98	111.33
	1.0	19.6	0.0628	6.94	144.06	0.0755	7.19	139.16
	1.2	23.52	0.0523	5.78	172.87	0.0629	5.99	166.99
	1.5	29.4	0.0418	4.63	216.09	0.0503	4.79	208.74
	2.0	39.2	0.0314	3.47	288.12	0.0378	3.59	278.32
	2.5	49	0.0251	2.78	360.15	0.0302	2.87	347.90
	3.0	58.8	0.0209	2.31	432.18	0.0252	2.40	417.48
25	1.0	24.5	0.0502	5.55	180.08	0.0604	5.75	173.95
	1.2	29.4	0.0418	4.63	216.09	0.0503	4.79	208.74
	1.5	36.75	0.0335	3.70	270.11	0.0403	3.83	260.93
	2.0	49	0.0251	2.78	360.15	0.0302	2.87	347.90
	2.5	61.25	0.0201	2.22	450.19	0.0242	2.30	434.88
	3.0	73.5	0.0167	1.85	540.23	0.0201	1.92	521.85
30	1.0	29.4	0.0418	4.63	216.09	0.0503	4.79	208.74
	1.5	44.1	0.0279	3.09	324.14	0.0336	3.19	313.11
	2.0	58.8	0.0209	2.31	432.18	0.0252	2.40	417.48
	2.5	73.5	0.0167	1.85	540.23	0.0201	1.92	521.85
	3.0	88.2	0.0139	1.54	648.27	0.0168	1.60	626.22
	3.5	102.9	0.0120	1.32	756.32	0.0144	1.37	730.59
35	1.0	34.3	0.0359	3.97	252.11	0.0431	4.11	243.53
	1.5	51.45	0.0239	2.64	378.16	0.0288	2.74	365.30
	2.0	68.6	0.0179	1.98	504.21	0.0216	2.05	487.06
	2.5	85.75	0.0143	1.59	630.26	0.0173	1.64	608.83
	3.0	102.9	0.0120	1.32	756.32	0.0144	1.37	730.59
	3.5	120.1	0.0102	1.13	882.37	0.0123	1.17	852.36
40	1.0	39.2	0.0314	3.47	288.12	0.0378	3.59	278.32
	1.5	58.8	0.0209	2.31	432.18	0.0252	2.40	417.48
	2.0	78.4	0.0157	1.74	576.24	0.0189	1.80	556.64
	2.5	98	0.0126	1.39	720.30	0.0151	1.44	695.80
	3.0	117.6	0.0105	1.16	864.36	0.0126	1.20	834.96
	3.5	137.2	0.0090	0.99	1008.42	0.0108	1.03	974.12
	4.0	156.8	0.0078	0.87	1152.48	0.0094	0.90	1113.28

Rolled-edge data: cross-section ≈ width × thickness × 0.98. For slit edge, area = width × thickness.

03 NOTES AND SUPPLY 说明与供货 GB/T 1234-2012

Tolerances and reading notes

PRODUCTION RANGE 可生产范围

5.0–300 mm wide × 0.05–4.0 mm thick

The tables list the high-volume sizes we hold for immediate production. Other combinations are made to order; 1Cr13Al4 and 0Cr27Al7Mo2 are produced on request and are therefore not tabulated.

THICKNESS TOLERANCE ± mm 厚度允许偏差

Category	Nominal (mm)	Normal	Higher
冷轧带材	0.050 ~ 0.100	±0.010	±0.005
冷轧带材	>0.100 ~ 0.200	±0.015	±0.010
冷轧带材	>0.200 ~ 0.50	±0.020	±0.015
冷轧带材	>0.50 ~ 1.00	±0.030	±0.025
冷轧带材	>1.00 ~ 1.80	±0.040	±0.030
冷轧带材	>1.80 ~ 2.50	±0.050	±0.040
冷轧带材	>2.50 ~ 4.00	±0.060	±0.050
热轧带材	2.5 ~ 5.0	±0.25	±0.20
热轧带材	>5.0 ~ 7.0	±0.30	±0.25
热轧带材	>7.0 ~ 10.0	±0.40	±0.35
热轧带材	>10.0 ~ 20.0	±0.50	±0.45

WIDTH TOLERANCE ± mm 宽度允许偏差

Category	Nominal (mm)	Slit normal	Slit higher	Unslit
冷轧带材	5.0 ~ 10.0	±0.20	±0.10	-0.6
冷轧带材	>10.0 ~ 20.0	±0.20	±0.10	-0.8
冷轧带材	>20.0 ~ 30.0	±0.20	±0.10	-1
冷轧带材	>30.0 ~ 50.0	±0.30	±0.15	-1.2
冷轧带材	>50.0 ~ 100.0	±0.30	±0.15	±1.0
冷轧带材	>100.0 ~ 200.0	±0.50	±0.25	±1.5
冷轧带材	>200.0 ~ 300.0	±0.50	±0.25	±1.8
热轧带材	15.0 ~ 60.0	±1.5	—	—
热轧带材	>60.0 ~ 200.0	±2.5	—	—
热轧带材	>200.0 ~ 300.0	±3.0	—	—

Higher precision on request. Values in mm; cold-rolled rows cover the sizes tabulated in this brochure.

READING THE DATA 数据说明

Cross-sectional area

Rolled edge ≈ width × thickness × 0.98; slit edge = width × thickness.

Resistance per metre

Ω/m = ρ / area, with ρ in μΩ·m and area in mm².

Resistivity

Nickel-chromium resistivity depends on thickness; the banded values below are those used in the tables.

RESISTIVITY BY THICKNESS 电阻率

Alloy	Thickness (mm)	ρ (μΩ·m)	Alloy	Thickness (mm)	ρ (μΩ·m)
Cr20Ni80	≤0.80	1.09±0.05	**1Cr13Al4**	0.050 ~ 4.00	1.25±0.08
Cr20Ni80	>0.80 ~ 3.00	1.13±0.05	**0Cr20Al3**	0.050 ~ 4.00	1.23±0.07
Cr20Ni80	>3.00	1.14±0.05	**0Cr23Al5**	0.050 ~ 4.00	1.35±0.07
Cr30Ni70	≤0.80	1.18±0.05	**0Cr20Al6RE**	0.050 ~ 4.00	1.40±0.07
Cr30Ni70	>0.80 ~ 3.00	1.19±0.05	**0Cr25Al5**	0.050 ~ 4.00	1.42±0.07
Cr30Ni70	>3.00	1.20±0.05	**0Cr21Al6Nb**	0.050 ~ 4.00	1.45±0.07
Cr15Ni60	≤0.80	1.11±0.05	**0Cr24Al6RE**	0.050 ~ 4.00	1.48±0.07
Cr15Ni60	>0.80 ~ 3.00	1.14±0.05	**0Cr27Al7Mo2**	0.050 ~ 4.00	1.53±0.07
Cr15Ni60	>3.00	1.15±0.05			
Cr20Ni35	—	1.04±0.05			
Cr20Ni30	—	1.04±0.05			

At 20 °C, soft-annealed. Ni–Cr resistivity depends on thickness; Fe–Cr–Al grades hold one value across 0.05–4.00 mm.

WHEN ORDERING state the alloy grade · width × thickness · edge type (slit or rolled) · surface (bright soft-annealed or acid-pickled) · coil, spool or cut length.

江苏禾一电热材料有限公司 Jiangsu Heyi Electric Heating Material Co., Ltd
江苏省丹阳市吕城镇养正东路 42 号 No.42 Yangzheng East Road, Lvcheng Town, Danyang City, Jiangsu, China
TEL +86 511 8605 2233 MAIL sales@heyiheating.com WEB www.heyiheating.com
Founded 1990 · formerly Danyang Resistance Wire Factory · ISO 9001:2015 · 1,500 t per year · about half exported