

# Temperature Current Characteristic

■ C N49W

dia. · temp · current

[ampere]

線径 [mm]	Temperature [°C]									
	50	100	150	200	250	300	350	400	450	500
8.00	35.2	64.8	89.4	113	136	159	183	208	234	261
7.00	28.0	53.2	73.5	92.9	112	131	151	172	193	214
6.50	26.0	47.6	65.7	83.1	98.8	118	135	154	172	192
6.00	23.0	33.0	59.6	75.0	90.2	106	121	138	153	171
5.50	20.6	37.9	52.4	66.0	79.3	93.3	107	122	136	151
5.00	17.8	32.8	45.5	57.4	68.9	81.0	92.8	105	118	131
4.50	15.3	28.2	39.0	49.2	59.1	69.6	79.6	90.5	101	113
4.00	13.3	24.6	34.2	42.8	51.2	60.2	68.7	77.8	86.6	96.2
3.50	11.0	20.3	28.1	35.3	42.2	49.5	56.6	64.1	71.4	79.2
3.20	9.60	17.7	24.5	31.0	37.0	43.3	49.4	56.2	62.4	69.4
2.90	8.33	15.8	21.4	26.8	32.0	37.6	42.9	48.7	54.2	60.2
2.60	7.46	13.7	18.8	23.7	28.2	33.0	37.8	42.5	47.2	52.6
2.30	6.24	11.4	15.9	19.8	23.7	27.6	31.6	35.5	39.5	43.6
2.00	5.10	9.36	12.9	16.2	19.3	22.6	25.8	29.1	32.4	35.8
1.80	4.65	8.46	11.6	14.5	17.3	20.1	22.9	25.9	28.6	31.5
1.60	3.94	7.17	9.87	12.3	14.6	17.1	19.4	21.8	24.2	26.7
1.50	3.58	6.52	8.98	11.2	13.3	15.6	17.6	19.9	21.9	24.2
1.40	3.25	5.91	8.14	10.2	12.1	14.1	16.1	18.0	19.9	22.0
1.30	3.06	5.57	7.68	9.60	11.3	13.2	15.0	16.7	18.4	20.3
1.20	2.72	5.00	6.82	8.53	10.1	11.7	13.3	14.9	16.4	18.0
1.10	2.50	4.42	6.05	7.53	8.93	10.4	11.7	13.2	14.5	16.1
1.00	2.12	3.88	5.30	6.62	7.85	9.09	10.3	11.6	12.7	14.0
0.90	1.80	3.30	4.61	5.63	6.67	7.73	8.76	9.82	10.8	11.9
0.80	1.63	3.00	4.09	5.10	6.03	6.94	7.86	8.55	9.75	10.5
0.70	1.35	2.49	3.38	4.22	5.01	5.76	6.51	7.09	8.08	8.76
0.65	1.21	2.24	3.05	3.80	4.50	5.18	5.87	6.38	7.28	7.90
0.60	1.14	2.12	2.89	3.59	4.24	4.86	5.48	6.07	6.84	7.30
0.55	1.02	1.88	2.56	3.19	3.76	4.32	4.87	5.38	6.06	6.47
0.50	0.89	1.66	2.25	2.79	3.30	3.97	4.28	4.72	5.32	5.68
0.45	0.733	1.43	1.95	2.44	2.87	3.29	3.70	4.10	4.61	4.92
0.40	0.701	1.30	1.77	2.19	2.58	2.95	3.32	3.68	4.07	4.38
0.35	0.587	1.09	1.49	1.83	2.17	2.47	2.79	3.09	3.42	3.67
0.32	0.522	0.969	1.32	1.64	1.93	2.20	2.47	2.75	3.04	3.26

## Temperature Current Characteristic

■ CN49W

dia. · temp · current

[ampere]

Dia [mm]	Temperature [°C]									
	50	100	150	200	250	300	350	400	450	500
0.29	0.459	0.851	1.16	1.43	1.69	1.94	2.17	2.40	2.66	2.86
0.26	0.426	0.785	1.07	1.32	1.55	1.77	1.97	2.19	2.38	2.58
0.23	0.366	0.672	0.914	1.13	1.33	1.51	1.70	1.87	2.04	2.21
0.20	0.303	0.557	0.757	0.943	1.10	1.25	1.40	1.50	1.69	1.83
0.18	0.272	0.503	0.684	0.843	0.987	1.13	1.26	1.42	1.53	1.64
0.16	0.230	0.427	0.574	0.716	0.863	0.956	1.07	1.20	1.30	1.38
0.15	0.214	0.396	0.537	0.664	0.776	0.888	0.989	1.11	1.21	1.28
0.14	0.195	0.360	0.490	0.604	0.706	0.808	0.900	1.01	1.10	1.17
0.13	0.185	0.337	0.459	0.567	0.662	0.765	0.842	0.927	1.00	1.08
0.12	0.163	0.302	0.413	0.509	0.594	0.678	0.750	0.832	0.902	0.976
0.11	0.145	0.270	0.367	0.459	0.528	0.602	0.670	0.738	0.800	0.865
0.10	0.126	0.233	0.317	0.392	0.458	0.523	0.583	0.644	0.696	0.752
0.09	0.112	0.207	0.281	0.347	0.406	0.463	0.516	0.567	0.615	0.665
0.08	0.0975	0.181	0.247	0.305	0.353	0.403	0.450	0.488	0.536	0.576
0.07	0.0814	0.151	0.220	0.256	0.291	0.338	0.376	0.412	0.457	0.481
0.06	0.0685	0.127	0.172	0.201	0.246	0.282	0.312	0.344	0.372	0.397
0.05	0.0533	0.0688	0.134	0.164	0.192	0.219	0.244	0.218	0.290	0.311
0.04	0.0398	0.0742	0.100	0.123	0.144	0.164	0.182	0.201	0.217	0.232
0.03	0.0269	0.0502	0.0679	0.0834	0.0978	0.111	0.123	0.136	0.147	0.158
0.025	0.0217	0.0402	0.0543	0.0668	0.0782	0.0886	0.0981	0.108	0.117	0.125

Data based on straight line wire pulled horizontally in open air.

### ■ Conversion Table (with exception of CN49W)

Type	Conversion Rate
CN30W	1.63
CN15W	3.26
CN10W	4.90
CN 5W	9.80

※ Please refer to above conversion rate when obtaining current value with Exception of CN49W