

ERICO® FLEXIBAR® UL® Maximum Ampacity, Tinned Copper

Typical Application Current Rating	ERICO® FLEXIBAR Composition			ΔT 20° C (A)	ΔT 30° C (A)	ΔT 35° C (A)	ΔT 40° C (A)	ΔT 45° C (A)	ΔT 50° C (A)	ΔT 60° C (A)	ΔT 65° C (A)	ΔT 70° C (A)
					NEC® 310-16 60° C			NEC® 310-16 75° C		NEC® 310-16 90° C		
125 A	3	9	0.8	101	126	138	148	158	167	185	193	201
	3	13	0.5	102	128	139	150	160	169	187	195	203
	2	15.5	0.8	121	152	166	178	190	201	222	232	241
	6	13	0.5	150	188	205	221	235	249	275	287	299
	6	9	0.8	153	192	210	226	241	255	281	293	305
250 A	2	20	1	168	211	229	247	263	279	307	321	334
	4	15.5	0.8	178	223	243	262	279	295	326	340	354
	2	24	1	195	244	266	286	305	323	357	373	388
	3	20	1	210	263	286	308	328	347	383	400	416
	6	15.5	0.8	225	282	308	331	353	374	412	430	448
	3	24	1	243	304	331	356	379	402	443	463	482
	4	20	1	246	308	336	361	385	408	450	470	489
	2	32	1	248	311	338	364	388	411	454	474	493
400 A	5	20	1	280	351	382	411	438	464	512	535	556
	4	24	1	285	356	388	418	445	472	520	543	565
	2	40	1	301	376	409	440	470	497	549	573	596
	3	32	1	308	385	419	451	481	510	562	587	611
	6	20	1	311	390	424	457	487	516	569	594	618
	5	24	1	322	403	439	472	504	534	589	615	640
	6	24	1	357	448	487	524	559	592	653	682	710
	4	32	1	359	449	489	526	561	594	655	684	712
	3	40	1	371	464	505	544	580	614	677	707	736
	5	32	1	405	507	552	594	633	671	740	773	804
	8	24	1	424	531	578	622	663	702	775	809	841
	4	40	1	432	541	589	633	675	715	789	824	857
	6	32	1	448	561	611	657	701	742	819	855	889
	3	50	1	449	562	612	658	702	743	820	856	891
	10	24	1	484	606	660	710	757	802	885	924	961
5	40	1	486	608	662	712	759	804	887	926	964	
800 A	4	50	1	521	651	709	763	813	861	950	992	1032
	8	32	1	525	657	715	770	821	869	959	1001	1042
	6	40	1	535	669	728	784	835	885	976	1019	1061
	3	63	1	549	687	747	804	857	907	1002	1046	1088
	5	50	1	583	730	794	855	911	965	1065	1112	1157
	6	45	1	588	736	801	862	919	973	1074	1121	1167
	10	32	1	595	745	811	873	931	986	1088	1136	1182
	8	40	1	628	786	855	920	981	1039	1146	1197	1246
	4	63	1	633	792	861	927	988	1046	1155	1205	1255
	6	50	1	641	802	873	940	1002	1061	1171	1222	1272
	3	80	1	675	844	918	988	1053	1115	1231	1285	1337
	10	40	1	702	879	956	1029	1097	1162	1282	1338	1393
	5	63	1	706	883	961	1033	1102	1167	1288	1344	1399
8	50	1	741	927	1009	1085	1157	1226	1352	1412	1469	
1200 A	6	63	1	772	966	1051	1130	1205	1276	1408	1470	1530
	4	80	1	776	970	1056	1136	1211	1282	1415	1477	1538
	10	50	1	831	1040	1132	1217	1298	1375	1517	1584	1648
	5	80	1	861	1077	1172	1260	1344	1423	1570	1640	1706
	8	63	1	886	1108	1205	1297	1383	1464	1616	1687	1756
	6	80	1	938	1172	1275	1372	1463	1549	1709	1785	1858
	10	63	1	985	1232	1341	1442	1538	1628	1797	1876	1953
1600 A	5	100	1	1041	1301	1416	1523	1624	1719	1898	1982	2062
	8	80	1	1073	1341	1460	1570	1674	1773	1956	2043	2126
	6	100	1	1132	1414	1539	1655	1765	1869	2062	2153	2241
	10	80	1	1187	1484	1614	1736	1851	1960	2164	2259	2351
	8	100	1	1279	1598	1739	1870	1994	2111	2330	2433	2532
2000 A	10	100	1	1413	1765	1921	2066	2203	2332	2574	2688	2797
	12	100	1	1537	1920	2089	2247	2396	2537	2800	2924	3043

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

ΔT = Temperature of conductors – Internal temperature of panel.

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