

**MAXIMUM PERMISSIBLE CURRENT
IN PERMANENT MODE**

SILICOUL® ALU FLEX 6.6 KV • FT 10111b

Ambient temperature (°C)	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²	50 mm ²	70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²	300 mm ²	400 mm ²
0	56	75	95	133	175	235	292	367	460	548	645	765	857	1023	1176	1391
10	55	72	92	129	170	227	283	355	445	530	624	740	829	990	1138	1346
20	53	70	89	124	164	220	273	343	430	512	603	715	801	956	1098	1300
30	51	67	86	120	158	212	263	330	414	493	581	689	771	921	1058	1252
40	49	65	83	115	152	203	253	317	397	474	558	662	741	885	1017	1203
50	47	62	79	110	145	195	242	304	381	454	535	634	710	848	974	1153
60	45	59	76	105	139	186	231	290	363	433	510	605	678	809	930	1101
70	43	56	72	100	132	177	220	276	345	412	485	575	644	769	884	1047
80	40	53	68	95	125	167	208	261	327	390	459	544	610	728	837	990
90	38	50	64	89	117	157	195	245	307	367	432	512	573	685	787	932
100	36	47	60	83	110	147	182	229	287	342	403	478	535	639	735	870
110	33	44	55	77	101	136	169	212	265	317	373	442	495	591	680	805
120	30	40	51	70	93	124	154	194	242	289	341	404	453	541	621	736
130	27	36	46	63	83	112	138	174	218	260	306	363	407	486	559	662
140	24	31	40	56	73	98	121	153	191	228	269	319	357	426	490	581
150	20	27	34	47	62	83	103	129	161	193	227	269	301	360	414	490
160	16	21	27	37	49	65	81	101	127	152	179	212	237	283	326	386
170	11	14	18	25	32	43	53	67	84	100	118	140	157	188	216	256

SILICOUL® ALU FLEX 13.8 KV • FT 10112b

Ambient temperature (°C)	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²	50 mm ²	70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²	300 mm ²	400 mm ²
0	57	75	95	132	174	232	288	360	451	538	634	748	838	998	1150	1363
10	55	73	92	128	168	225	279	349	436	521	614	724	811	966	1113	1320
20	53	70	89	124	163	217	269	337	421	503	593	699	783	933	1075	1275
30	51	68	86	119	157	210	260	325	406	485	572	674	755	899	1036	1229
40	49	65	83	115	151	201	250	312	390	466	550	648	726	864	996	1181
50	47	63	79	110	145	193	239	299	374	447	527	621	696	829	955	1132
60	45	60	76	105	138	185	229	286	358	427	503	594	665	792	912	1082
70	43	57	72	100	132	176	218	272	340	406	479	565	632	753	868	1029
80	41	54	69	95	125	166	206	258	322	385	453	535	599	713	822	974
90	38	51	65	89	117	157	194	243	303	362	427	503	564	671	773	917
100	36	48	60	84	110	146	181	227	283	338	399	470	527	627	723	857
110	33	44	56	78	102	136	168	210	262	313	369	436	488	581	669	793
120	31	40	51	71	93	124	154	192	240	287	338	399	446	532	612	726
130	28	36	46	64	84	112	138	173	216	258	304	359	402	479	551	653
140	24	32	41	56	74	98	122	152	190	227	267	315	353	421	484	574
150	21	27	35	48	62	83	103	129	161	192	226	267	299	356	410	486
160	16	22	27	38	49	66	81	102	127	151	178	211	236	281	323	383
170	11	14	18	25	33	44	54	68	85	101	119	140	157	187	215	255

- All values in the tables are expressed in Amperes (A).
- Calculations are based on methods issued from IEC 60287 standard.
- 1 single cable in free air without heat source in it surrounding environment.
- DC supply or AC supply (F ≤ 60 Hz).
- Maximum temperature of core: +180°C.

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LES CABLES DE L'EXTREME

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For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.
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