

**MAXIMUM PERMISSIBLE CURRENT  
IN PERMANENT MODE**

**SILICOUL® 6.6 KV**

Ambient temperature (°C)	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	6 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>	70 mm <sup>2</sup>	95 mm <sup>2</sup>	120 mm <sup>2</sup>	150 mm <sup>2</sup>	185 mm <sup>2</sup>	240 mm <sup>2</sup>	300 mm <sup>2</sup>	400 mm <sup>2</sup>
0	71	94	120	169	223	295	364	457	572	682	799	915	1053	1255	1455	1727
10	68	91	116	163	216	286	352	442	554	660	773	885	1019	1214	1408	1671
20	66	88	112	158	208	276	340	427	535	637	746	855	984	1173	1360	1614
30	64	85	108	152	201	266	328	411	515	614	719	824	948	1130	1310	1555
40	61	81	104	146	193	255	315	395	495	590	691	791	910	1086	1258	1494
50	59	78	99	140	185	245	301	379	474	565	662	758	872	1040	1205	1432
60	56	74	95	134	176	234	288	361	452	539	632	724	832	993	1151	1367
70	53	71	90	127	168	222	274	344	430	513	601	688	791	944	1094	1300
80	51	67	85	120	159	210	259	325	407	485	568	651	749	894	1035	1230
90	48	63	80	113	149	198	243	306	382	456	534	613	704	841	974	1157
100	45	59	75	106	139	184	227	286	357	426	499	572	657	785	909	1080
110	41	55	70	98	129	171	210	264	330	394	462	530	608	726	841	999
120	38	50	64	89	118	156	192	241	302	360	422	484	556	664	768	913
130	34	45	57	80	106	140	173	217	271	324	379	435	499	597	691	821
140	30	39	50	71	93	123	151	190	238	284	333	382	438	524	606	721
150	25	33	43	60	78	104	128	161	201	240	281	323	370	442	511	609
160	20	26	34	47	62	82	101	127	158	189	221	254	291	349	403	479
170	13	18	22	31	41	54	67	84	104	125	147	169	193	231	267	318

**SILICOUL® 13.8 KV**

0	71	94	120	168	221	292	359	451	561	670	785	896	1031	1229	1421	1690
10	69	91	116	163	214	283	348	437	543	649	760	867	998	1189	1376	1636
20	67	88	112	157	207	273	336	422	524	627	734	838	964	1149	1329	1580
30	64	85	108	152	199	263	324	406	505	604	707	808	929	1108	1281	1523
40	62	82	104	146	192	253	311	391	486	581	680	777	893	1065	1231	1464
50	59	78	100	140	184	243	298	375	466	557	652	744	856	1021	1180	1404
60	57	75	95	134	176	232	285	358	445	532	623	711	818	975	1127	1341
70	54	71	91	127	167	221	271	340	423	506	592	677	778	928	1072	1276
80	51	68	86	121	158	209	257	322	401	479	561	641	737	879	1015	1208
90	48	64	81	114	149	197	242	303	377	451	528	604	693	827	956	1137
100	45	60	76	106	139	184	226	284	353	421	493	564	648	773	893	1062
110	42	55	70	98	129	170	209	263	327	390	457	523	600	716	827	984
120	38	51	64	90	118	156	192	240	299	357	418	478	549	655	757	900
130	35	46	58	81	106	140	173	216	269	321	376	431	494	590	681	810
140	30	40	51	71	94	123	152	190	237	282	331	379	434	518	598	712
150	26	34	43	61	79	104	128	161	200	239	280	320	367	438	506	602
160	20	27	34	48	63	83	101	127	158	189	221	253	290	346	399	475
170	14	18	23	32	42	55	68	85	105	126	147	169	193	231	266	317

- 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.

The information provided in this document is indicative. Laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies.

In no way SEVI KABEL shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.

For an optimum use of our cables, 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.

