

**MAXIMUM PERMISSIBLE CURRENT  
IN PERMANENT MODE**

**SILICOUL® SCR PUR 6.6 KV • FT 10311b**

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	73	97	123	173	227	300	370	462	577	688	803	918	1056	1254	1453	1714
10	71	94	119	167	220	291	358	447	558	666	777	889	1022	1214	1406	1659
20	69	91	115	162	213	281	346	432	539	643	751	858	987	1173	1358	1603
30	66	87	111	156	205	271	333	416	519	620	724	827	951	1130	1309	1545
40	64	84	107	150	197	260	320	400	499	596	696	795	915	1086	1258	1485
50	61	81	102	144	189	249	307	384	479	571	667	762	877	1042	1206	1424
60	58	77	98	137	181	238	293	366	457	545	637	728	837	995	1152	1360
70	55	73	93	131	172	227	279	349	435	519	606	693	795	947	1093	1294
80	53	70	88	124	163	212	263	329	405	482	564	649	737	885	1014	1205
90	50	66	83	115	150	195	241	301	370	441	516	594	674	810	927	1102
100	46	60	76	104	135	175	216	271	333	397	464	535	607	729	835	993
110	40	52	66	91	118	154	190	238	293	349	408	470	533	641	733	872
120	34	45	56	77	100	130	161	201	247	294	345	397	450	542	619	737
130	27	35	44	61	79	102	126	158	194	231	271	313	354	426	486	580
140	18	23	29	40	52	68	84	105	129	153	179	207	234	282	322	384

**SILICOUL® SCR PUR 13.8 KV • FT 10312a**

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	73	97	122	172	226	297	365	456	568	677	790	902	1037	1231	1421	1681
10	71	94	119	166	219	288	353	442	550	656	765	873	1004	1192	1376	1628
20	68	90	115	161	211	278	341	427	531	634	740	844	970	1152	1329	1573
30	66	87	111	155	204	268	329	412	512	611	713	814	936	1111	1282	1517
40	64	84	107	149	196	258	317	396	493	588	686	783	900	1069	1233	1459
50	61	81	102	143	188	248	304	380	473	564	658	751	863	1025	1182	1399
60	58	77	98	137	180	237	290	363	452	539	629	718	824	979	1130	1337
70	56	73	93	130	171	226	276	346	430	513	598	683	785	932	1075	1273
80	53	70	88	124	162	214	262	328	407	486	567	647	743	883	1019	1206
90	50	66	83	117	153	201	247	309	384	458	533	610	696	832	954	1129
100	47	62	78	109	143	187	228	283	349	412	480	557	627	750	858	1016
110	43	57	72	98	127	165	201	249	307	363	423	490	552	661	756	895
120	37	49	61	83	108	139	170	210	260	308	359	415	467	560	640	759
130	30	39	48	66	85	110	134	166	203	241	280	325	365	438	501	594
140	20	26	32	44	56	73	89	109	134	159	185	215	246	289	337	400

- 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.
- Maximum temperature on insulation: +150°C.

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**omerin**  
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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