

**MAXIMUM PERMISSIBLE CURRENT
IN PERMANENT MODE**

SILICOUL® SCR 6.6 KV • FT 10115b

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	73	96	122	172	225	297	364	455	566	673	784	894	1027	1218	1407	1657
10	71	93	118	166	218	288	352	440	548	651	760	866	994	1179	1362	1604
20	68	90	115	161	211	278	341	425	529	629	734	837	961	1140	1317	1551
30	66	87	110	155	203	268	328	410	510	607	708	807	926	1099	1270	1496
40	63	84	106	149	196	258	316	394	491	584	681	776	891	1057	1221	1439
50	61	80	102	143	188	247	303	378	471	560	653	744	854	1014	1171	1380
60	58	77	97	137	179	236	290	362	450	535	624	712	816	969	1119	1319
70	55	73	93	130	171	225	276	344	428	509	594	677	777	923	1065	1256
80	52	69	88	123	162	213	261	326	406	482	563	642	736	874	1010	1190
90	49	65	83	116	152	200	246	307	382	454	530	605	694	824	951	1121
100	46	61	78	109	142	187	230	287	357	425	496	566	649	771	889	1049
110	43	57	72	101	132	174	213	266	331	394	459	524	601	714	824	973
120	39	52	66	92	121	159	195	244	303	361	421	480	551	654	755	891
130	36	47	59	83	109	143	176	220	273	325	379	433	496	590	680	803
140	31	41	52	73	96	126	155	193	240	286	333	381	436	519	599	707
150	27	35	44	62	81	107	131	164	204	242	283	323	370	440	507	600
160	21	28	35	49	64	84	104	130	161	192	224	256	293	349	402	475
170	14	19	24	33	43	56	69	87	108	128	150	171	196	233	269	318

SILICOUL® SCR 13.8 KV • FT 10116a

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	73	96	122	171	224	294	360	450	558	664	774	883	1015	1203	1385	1628
10	71	93	118	165	217	285	349	436	541	643	749	855	983	1166	1342	1577
20	68	90	114	160	210	276	337	421	523	622	725	827	950	1127	1297	1525
30	66	87	110	154	203	266	325	406	504	600	699	797	917	1087	1251	1471
40	63	84	106	148	195	256	313	391	485	577	672	767	882	1046	1204	1416
50	61	80	102	142	187	246	300	375	465	554	645	736	846	1003	1155	1358
60	58	77	97	136	179	235	287	359	445	530	617	704	809	959	1104	1299
70	55	73	93	130	170	224	274	342	424	504	587	671	770	914	1052	1237
80	53	69	88	123	162	212	259	324	402	478	557	636	730	866	997	1173
90	50	66	83	116	152	200	244	305	379	451	525	599	688	816	939	1106
100	47	61	78	109	143	187	229	286	354	422	491	561	644	764	879	1035
110	43	57	72	101	132	174	212	265	329	391	456	520	597	709	815	961
120	40	52	66	93	121	159	195	243	301	358	418	477	547	650	747	881
130	36	47	60	83	110	144	176	219	272	323	377	430	493	586	674	795
140	32	42	53	74	97	127	155	193	240	285	332	379	435	516	594	701
150	27	35	45	63	82	108	132	164	203	242	282	322	369	438	504	595
160	21	28	36	50	65	85	104	130	161	192	224	256	292	348	400	472
170	14	19	24	33	44	57	70	87	108	129	150	172	196	233	268	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.

For this product, please contact:

OMERIN division principale 
Zone Industrielle - F 63600 Ambert
Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10
omerin@omerin.com



www.omerin.com

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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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