

**MAXIMUM PERMISSIBLE CURRENT
IN PERMANENT MODE**

SILICOUL® SCR PUR 1.1 KV • FT 10309a

Ambient temperature (°C)	1.5 mm ²	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	54	73	97	124	174	230	304	374	470	587	698	818	933	1069	1270	1467	1764
10	52	71	94	119	169	223	294	362	454	568	676	792	903	1034	1229	1419	1706
20	51	68	91	115	162	214	284	349	439	548	652	764	871	999	1187	1371	1648
30	49	66	87	111	155	205	271	335	423	528	628	736	840	962	1144	1321	1587
40	47	63	83	105	147	195	258	319	405	503	604	707	807	925	1099	1269	1525
50	45	60	78	100	139	185	245	302	384	477	571	669	773	882	1053	1216	1452
60	42	56	74	94	131	174	230	285	361	449	538	631	728	831	1004	1154	1366
70	39	52	69	88	122	162	215	266	338	420	503	590	682	777	939	1078	1278
80	36	48	64	81	113	150	198	246	312	388	465	545	630	719	871	1000	1180
90	33	44	58	74	103	137	181	224	285	354	425	498	576	657	795	912	1079
100	30	40	52	67	93	123	163	201	256	318	382	447	518	590	715	820	969
110	26	35	46	58	81	107	142	176	224	278	334	392	454	517	628	719	849
120	22	29	39	49	68	90	120	148	189	234	282	330	383	436	529	606	715
130	17	23	30	38	53	71	94	116	148	183	221	258	300	342	415	476	561
140	11	15	20	25	36	46	61	76	97	120	145	170	198	225	274	314	369

SILICOUL® SCR PUR 3.7 KV • FT 10310a

Ambient temperature (°C)	1.5 mm ²	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	54	73	96	123	173	228	301	370	465	580	689	805	922	1063	1265	1463	1743
10	52	70	93	119	168	221	291	358	450	562	667	779	892	1028	1224	1416	1687
20	50	68	90	115	162	213	281	346	434	542	644	753	862	993	1182	1368	1629
30	49	66	87	111	156	205	271	333	419	522	621	725	831	957	1139	1318	1570
40	47	63	84	107	150	197	261	320	402	502	596	697	798	919	1095	1267	1509
50	45	60	80	102	144	189	250	307	385	481	572	668	765	881	1049	1214	1446
60	43	58	76	98	137	180	237	292	368	455	546	638	731	836	1002	1154	1377
70	41	55	73	93	129	169	222	273	344	426	512	599	691	782	942	1080	1288
80	39	52	68	87	120	157	206	253	320	395	475	556	640	725	874	1001	1194
90	36	48	62	79	110	143	188	231	292	361	434	508	585	662	799	914	1090
100	32	43	56	71	99	129	169	208	262	324	390	457	526	595	718	822	980
110	28	38	49	63	86	113	148	182	230	284	343	401	462	522	630	721	859
120	24	32	42	53	73	95	125	153	194	240	289	338	390	440	532	608	725
130	19	25	33	42	57	75	98	120	152	188	227	266	306	345	418	477	569
140	13	17	22	28	38	49	64	79	100	124	150	175	202	227	276	315	375

- 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.

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

omerin
LES CABLES DE L'EXTREME

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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