

**MAXIMUM PERMISSIBLE CURRENT  
IN PERMANENT MODE**

**SILICOUL® DI 1.1 KV • FT 10201a**

Ambient temperature (°C)	1.5 mm <sup>2</sup>	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>
0	50	68	92	118	168	224	299	370	467	584	701	824	943	1085	1307	1506
10	49	66	89	114	163	216	289	358	451	565	677	796	911	1049	1263	1456
20	47	64	86	110	157	208	278	345	435	545	653	768	879	1012	1219	1405
30	45	61	82	106	151	201	268	332	419	524	629	739	847	974	1173	1352
40	43	59	79	102	145	192	257	318	402	503	604	710	813	935	1126	1298
50	41	56	76	97	138	184	246	305	385	482	578	679	778	895	1078	1242
60	39	54	72	93	132	175	234	290	367	459	551	647	742	854	1028	1185
70	37	51	68	88	125	167	222	276	348	436	523	615	705	811	976	1125
80	35	48	65	83	118	157	210	260	329	412	494	581	666	766	922	1064
90	33	45	61	78	111	148	197	244	309	387	464	546	626	720	866	999
100	31	42	57	73	103	138	184	228	288	361	433	509	584	671	808	931
110	29	39	52	67	95	127	170	210	266	333	399	470	539	620	746	860
120	26	35	48	61	87	116	155	191	242	304	364	428	492	565	680	785
130	23	32	43	55	78	104	138	172	217	272	327	384	441	507	610	704
140	20	28	37	48	68	91	121	150	190	238	286	336	386	444	534	616
150	17	23	31	40	57	76	102	126	159	200	240	283	325	373	449	518
160	13	18	25	32	45	60	80	99	125	157	188	221	255	293	352	406
170	9	12	16	21	29	39	52	65	82	103	124	146	168	193	232	268

**SILICOUL® DI 3.7 KV • FT 10202a**

Ambient temperature (°C)	1.5 mm <sup>2</sup>	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>
0	52	70	93	119	169	224	298	368	463	580	692	812	932	1076	1283	1490
10	50	68	90	115	163	216	288	355	447	561	670	786	901	1041	1241	1441
20	48	65	87	111	158	209	278	343	432	542	646	758	870	1004	1198	1390
30	47	63	84	107	152	201	267	330	416	521	622	730	838	967	1154	1339
40	45	60	80	103	146	193	257	317	399	501	598	701	805	929	1108	1285
50	43	58	77	99	140	185	246	303	382	479	572	671	770	889	1061	1231
60	41	55	73	94	133	176	234	289	365	457	546	640	735	848	1012	1174
70	39	52	70	89	126	167	223	275	346	434	519	609	699	806	962	1115
80	37	50	66	85	120	158	210	260	327	410	490	575	661	761	909	1054
90	35	47	62	79	112	149	198	244	308	386	461	541	621	716	855	991
100	32	44	58	74	105	139	184	228	287	360	430	504	579	667	798	924
110	30	40	53	69	97	128	170	210	265	332	397	466	536	617	737	854
120	27	37	49	63	88	117	155	192	242	303	363	426	489	563	673	780
130	24	33	44	56	79	105	139	172	217	272	325	382	439	505	604	700
140	21	29	38	49	69	92	122	151	190	238	285	335	385	442	529	613
150	18	24	32	41	59	77	103	127	160	200	240	282	324	372	446	516
160	14	19	25	33	46	61	81	100	126	157	189	221	255	292	351	405
170	9	13	17	22	30	40	53	66	83	104	124	146	168	193	232	267

- 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](http://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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