

**MAXIMUM PERMISSIBLE CURRENT
IN PERMANENT MODE**

SILICOUL® ST PUR 1.1 KV • FT 10301a

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	52	70	93	119	170	225	299	368	462	578	689	809	923	1059	1258	1456	1747
10	50	68	90	115	163	217	289	356	447	559	667	782	893	1025	1217	1409	1690
20	48	65	87	111	156	208	277	343	431	540	644	755	863	989	1175	1360	1632
30	46	62	83	106	149	199	265	329	415	519	620	727	831	953	1132	1310	1572
40	44	59	79	101	142	189	252	313	397	493	593	696	798	916	1088	1259	1510
50	42	56	74	95	134	179	239	296	375	468	562	659	763	872	1043	1206	1432
60	39	53	70	90	126	168	225	279	354	440	529	621	719	821	991	1140	1349
70	37	49	65	84	118	157	210	260	330	411	495	581	673	768	927	1067	1262
80	34	46	60	78	109	145	194	240	305	380	457	536	622	709	860	986	1166
90	31	42	55	71	100	132	176	219	279	347	418	490	568	648	785	902	1065
100	28	37	49	63	89	119	158	197	250	311	375	440	511	583	705	810	957
110	24	33	43	55	78	104	138	172	219	273	328	385	448	510	619	710	838
120	20	27	36	46	65	87	116	145	184	229	276	324	377	430	521	599	706
130	16	21	28	36	52	68	91	113	144	179	216	254	296	337	409	469	553
140	11	14	19	24	34	46	61	74	95	118	142	167	194	221	270	309	363

SILICOUL® ST PUR 3.7 KV • FT 10302a

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	52	71	94	120	170	224	296	365	458	573	682	798	914	1053	1253	1453	1728
10	51	68	91	116	164	217	287	353	443	554	659	773	884	1019	1213	1406	1672
20	49	66	88	112	158	209	277	341	428	535	637	746	854	984	1171	1358	1615
30	47	64	85	108	153	201	267	329	412	516	614	719	823	948	1129	1308	1556
40	45	61	81	104	147	194	256	316	396	496	590	691	791	911	1085	1257	1495
50	43	59	78	100	141	185	246	303	380	475	565	662	758	873	1039	1204	1433
60	42	56	74	95	134	176	232	286	361	448	539	632	724	825	992	1143	1361
70	40	53	71	90	126	165	217	268	338	419	504	591	681	773	930	1068	1273
80	37	50	65	84	116	153	201	247	313	387	468	549	632	716	863	991	1180
90	34	45	60	76	106	139	183	226	286	354	427	501	577	653	788	904	1077
100	31	41	54	69	95	125	165	203	257	318	384	450	519	587	709	812	968
110	27	36	47	60	84	110	144	178	225	279	337	395	456	515	622	712	848
120	23	30	40	51	70	92	122	150	190	235	284	333	384	434	524	600	715
130	18	24	31	40	55	72	95	118	149	184	223	261	302	340	412	471	561
140	12	16	21	26	36	48	63	77	98	121	147	172	199	224	271	310	369

- 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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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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