



**MAXIMUM PERMISSIBLE CURRENT
IN PERMANENT MODE**

SILICOUL® STYLE 3663 - 7.2 KV

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	98	125	169	223	295	364	457	572	682	799	915	1053	1255	1455	1727
10	71	95	121	163	216	286	352	442	554	660	773	885	1019	1214	1408	1671
20	69	91	117	158	208	276	340	427	535	637	746	855	984	1173	1360	1614
30	66	88	113	152	201	266	328	411	515	614	719	824	948	1130	1310	1555
40	64	85	108	146	193	255	315	395	495	590	691	791	910	1086	1258	1494
50	61	81	104	140	185	245	301	379	474	565	662	758	872	1040	1205	1432
60	58	78	99	134	176	234	288	361	452	539	632	724	832	993	1151	1367
70	55	74	94	127	168	222	274	344	430	513	601	688	791	944	1094	1300
80	53	70	89	120	159	210	259	325	407	485	568	651	749	894	1035	1230
90	49	66	84	113	149	198	243	306	382	456	534	613	704	841	974	1157
100	46	61	79	106	139	184	227	286	357	426	499	572	657	785	909	1080
110	43	57	73	98	129	171	210	264	330	394	462	530	608	726	841	999
120	39	52	67	89	118	156	192	241	302	360	422	484	556	664	768	913
130	35	47	60	80	106	140	173	217	271	324	379	435	499	597	691	821
140	31	41	53	71	93	123	151	190	238	284	333	382	438	524	606	721
150	26	35	44	60	78	104	128	161	201	240	281	323	370	442	511	609
160	21	27	35	47	62	82	101	127	158	189	221	254	291	349	403	479
170	14	18	23	31	41	54	67	84	104	125	147	169	193	231	267	318

- 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 ($F \leq 60$ Hz).
- Maximum temperature of core: +180°C.

The information provided in this document is indicative. Laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies.

In no way we shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.

For an optimum use of our cables, 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.

