

**MAXIMUM PERMISSIBLE CURRENT
IN PERMANENT MODE**

SILICOUL® STYLE 3663 - 7.2 KV • FT 10107c

| 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 |

SILICOUL® STYLE 3664 - 15 KV • FT 10108c

| 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 | 74 | 98 | 125 | 168 | 221 | 292 | 359 | 451 | 561 | 670 | 785 | 896 | 1031 | 1229 | 1421 | 1690 |
| 10 | 71 | 95 | 121 | 163 | 214 | 283 | 348 | 437 | 543 | 649 | 760 | 867 | 998 | 1189 | 1376 | 1636 |
| 20 | 69 | 92 | 117 | 157 | 207 | 273 | 336 | 422 | 524 | 627 | 734 | 838 | 964 | 1149 | 1329 | 1580 |
| 30 | 67 | 88 | 113 | 152 | 199 | 263 | 324 | 406 | 505 | 604 | 707 | 808 | 929 | 1108 | 1281 | 1523 |
| 40 | 64 | 85 | 109 | 146 | 192 | 253 | 311 | 391 | 486 | 581 | 680 | 777 | 893 | 1065 | 1231 | 1464 |
| 50 | 62 | 82 | 104 | 140 | 184 | 243 | 298 | 375 | 466 | 557 | 652 | 744 | 856 | 1021 | 1180 | 1404 |
| 60 | 59 | 78 | 100 | 134 | 176 | 232 | 285 | 358 | 445 | 532 | 623 | 711 | 818 | 975 | 1127 | 1341 |
| 70 | 56 | 74 | 95 | 127 | 167 | 221 | 271 | 340 | 423 | 506 | 592 | 677 | 778 | 928 | 1072 | 1276 |
| 80 | 53 | 70 | 90 | 121 | 158 | 209 | 257 | 322 | 401 | 479 | 561 | 641 | 737 | 879 | 1015 | 1208 |
| 90 | 50 | 66 | 85 | 114 | 149 | 197 | 242 | 303 | 377 | 451 | 528 | 604 | 693 | 827 | 956 | 1137 |
| 100 | 47 | 62 | 79 | 106 | 139 | 184 | 226 | 284 | 353 | 421 | 493 | 564 | 648 | 773 | 893 | 1062 |
| 110 | 43 | 58 | 73 | 98 | 129 | 170 | 209 | 263 | 327 | 390 | 457 | 523 | 600 | 716 | 827 | 984 |
| 120 | 40 | 53 | 67 | 90 | 118 | 156 | 192 | 240 | 299 | 357 | 418 | 478 | 549 | 655 | 757 | 900 |
| 130 | 36 | 48 | 61 | 81 | 106 | 140 | 173 | 216 | 269 | 321 | 376 | 431 | 494 | 590 | 681 | 810 |
| 140 | 32 | 42 | 53 | 71 | 94 | 123 | 152 | 190 | 237 | 282 | 331 | 379 | 434 | 518 | 598 | 712 |
| 150 | 27 | 36 | 45 | 61 | 79 | 104 | 128 | 161 | 200 | 239 | 280 | 320 | 367 | 438 | 506 | 602 |
| 160 | 21 | 28 | 36 | 48 | 63 | 83 | 101 | 127 | 158 | 189 | 221 | 253 | 290 | 346 | 399 | 475 |
| 170 | 14 | 19 | 24 | 32 | 42 | 55 | 68 | 85 | 105 | 126 | 147 | 169 | 193 | 231 | 266 | 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.

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LES CABLES DE L'EXTREME

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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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