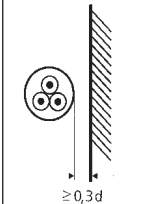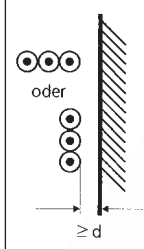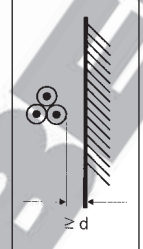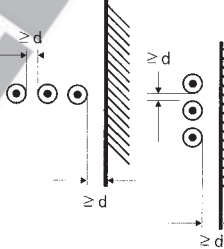# Current ratings for installation conditions C, E, F and G
## Cabel for fixed installation within buildings

### Operating temperature at conductor 70°C; Ambient temperature 30°C

| Type designation | NYM, NYMZ, NYMT, NYIF, NYIFY NHYRUZY, NYBUY, NYDY N05VV-U, N05VV-R NHXMH, NYY, NYCY [1] | | | | | NYY | | | |
|---|---|---|---|---|---|---|---|---|---|

**Installation:**
- directly
- in open air



| | Singlecore or multicore cables or single or multicore sheathed cables on a wall | | Multicore cables or multicore sheathed cables with a space of minimum 0,3 x diameter d to wall | | Single core cables or single core sheathed cables with a space of minimum 1 x diameter d to wall | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | with contact | | | with gap d | |
| | direct installation | | installation in open air | | | | | | |
| installation method [2] | C | | E | | F | | | G | |
| Number of loaded cores | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 |
| **Cross-section, mm²** | Current ratings in Ampere (A) | | | | | | | | |
| 1,5 | 19,5 | 17,5 | 22 | 18,5 | – | – | – | – | – |
| 2,5 | 27 | 24 | 30 | 25 | – | – | – | – | – |
| 4 | 36 | 32 | 40 | 34 | – | – | – | – | – |
| 4 | – | 33,02 [3] | – | – | – | – | – | – | – |
| 6 | 46 | 41 | 51 | 43 | – | – | – | – | – |
| 10 | 63 | 57 | 70 | 60 | – | – | – | – | – |
| 10 | – | 59,43 [3] | – | – | – | – | – | – | – |
| 16 | 85 | 76 | 94 | 80 | – | – | – | – | – |
| 25 | 112 | 96 | 119 | 101 | 131 | 114 | 110 | 146 | 130 |
| 35 | 138 | 119 | 148 | 126 | 162 | 143 | 137 | 181 | 162 |
| 50 | 168 | 144 | 180 | 153 | 196 | 174 | 167 | 219 | 197 |
| 70 | 213 | 184 | 232 | 196 | 251 | 225 | 216 | 281 | 254 |
| 95 | 258 | 223 | 282 | 238 | 304 | 275 | 264 | 341 | 311 |
| 120 | 299 | 259 | 328 | 276 | 352 | 321 | 308 | 396 | 362 |
| 150 | 344 | 299 | 379 | 319 | 406 | 372 | 356 | 456 | 419 |
| 185 | 392 | 341 | 434 | 364 | 463 | 427 | 409 | 521 | 480 |
| 240 | 461 | 403 | 514 | 430 | 546 | 507 | 485 | 615 | 569 |
| 300 | 530 | 464 | 593 | 497 | 629 | 587 | 561 | 709 | 659 |
| 400 | – | – | – | – | 754 | 689 | 656 | 852 | 795 |
| 500 | – | – | – | – | 868 | 789 | 749 | 982 | 920 |
| 630 | – | – | – | – | 1005 | 905 | 855 | 1138 | 1070 |

Conversion factors for deviating ambient temperature, grouping, installation under the ceiling, multicore cables and insulated wires see DIN VDE 0298 part 4.

[1] The current ratings are valid for cables with concentric conductor, only for multicore versions
[2] for further installation methods – see DIN VDE 0298 part 4
[3] see DIN VDE 0298 part 4