

**Table C8 Maximum Number of Conductors or Fixture Wires in Rigid Metal Conduit (RMC) (Based on Table 1, Chapter 9)**

| CONDUCTORS           |                  |                                |        |        |         |         |        |         |        |         |         |         |         |  |  |
|----------------------|------------------|--------------------------------|--------|--------|---------|---------|--------|---------|--------|---------|---------|---------|---------|--|--|
| Type                 | Conductor        | Metric Designator (Trade Size) |        |        |         |         |        |         |        |         |         |         |         |  |  |
|                      | Size (AWG/kcmil) | 16 (½)                         | 21 (¾) | 27 (1) | 35 (1¼) | 41 (1½) | 53 (2) | 63 (2½) | 78 (3) | 91 (3½) | 103 (4) | 129 (5) | 155 (6) |  |  |
| RHH, RHW, RHW-2      | 14               | 4                              | 7      | 12     | 21      | 28      | 46     | 66      | 102    | 136     | 176     | 276     | 398     |  |  |
|                      | 12               | 3                              | 6      | 10     | 17      | 23      | 38     | 55      | 85     | 113     | 146     | 229     | 330     |  |  |
|                      | 10               | 3                              | 5      | 8      | 14      | 19      | 31     | 44      | 68     | 91      | 118     | 185     | 267     |  |  |
|                      | 8                | 1                              | 2      | 4      | 7       | 10      | 16     | 23      | 36     | 48      | 61      | 97      | 139     |  |  |
|                      | 6                | 1                              | 1      | 3      | 6       | 8       | 13     | 18      | 29     | 38      | 49      | 77      | 112     |  |  |
|                      | 4                | 1                              | 1      | 2      | 4       | 6       | 10     | 14      | 22     | 30      | 38      | 60      | 87      |  |  |
|                      | 3                | 1                              | 1      | 2      | 4       | 5       | 9      | 12      | 19     | 26      | 34      | 53      | 76      |  |  |
|                      | 2                | 1                              | 1      | 1      | 3       | 4       | 7      | 11      | 17     | 23      | 29      | 46      | 66      |  |  |
|                      | 1                | 0                              | 1      | 1      | 1       | 3       | 5      | 7       | 11     | 15      | 19      | 30      | 44      |  |  |
|                      | 1/0              | 0                              | 1      | 1      | 1       | 2       | 4      | 6       | 10     | 13      | 17      | 26      | 38      |  |  |
|                      | 2/0              | 0                              | 1      | 1      | 1       | 2       | 4      | 5       | 8      | 11      | 14      | 23      | 33      |  |  |
|                      | 3/0              | 0                              | 0      | 1      | 1       | 1       | 3      | 4       | 7      | 10      | 12      | 20      | 28      |  |  |
|                      | 4/0              | 0                              | 0      | 1      | 1       | 1       | 3      | 4       | 6      | 8       | 11      | 17      | 24      |  |  |
|                      | 250              | 0                              | 0      | 0      | 1       | 1       | 1      | 3       | 4      | 6       | 8       | 13      | 18      |  |  |
|                      | 300              | 0                              | 0      | 0      | 1       | 1       | 1      | 2       | 4      | 5       | 7       | 11      | 16      |  |  |
|                      | 350              | 0                              | 0      | 0      | 1       | 1       | 1      | 2       | 4      | 5       | 6       | 10      | 15      |  |  |
|                      | 400              | 0                              | 0      | 0      | 1       | 1       | 1      | 1       | 3      | 4       | 6       | 9       | 13      |  |  |
|                      | 500              | 0                              | 0      | 0      | 1       | 1       | 1      | 1       | 3      | 4       | 5       | 8       | 11      |  |  |
| TW, THHW, THW, THW-2 | 600              | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 2      | 3       | 4       | 6       | 9       |  |  |
|                      | 700              | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 1      | 3       | 4       | 6       | 8       |  |  |
|                      | 750              | 0                              | 0      | 0      | 0       | 0       | 1      | 1       | 1      | 3       | 3       | 5       | 8       |  |  |
|                      | 800              | 0                              | 0      | 0      | 0       | 0       | 1      | 1       | 1      | 2       | 3       | 5       | 7       |  |  |
|                      | 900              | 0                              | 0      | 0      | 0       | 0       | 1      | 1       | 1      | 2       | 3       | 5       | 7       |  |  |
|                      | 1000             | 0                              | 0      | 0      | 0       | 0       | 1      | 1       | 1      | 1       | 3       | 4       | 6       |  |  |
|                      | 14               | 9                              | 15     | 25     | 44      | 59      | 98     | 140     | 216    | 288     | 370     | 581     | 839     |  |  |
|                      | 12               | 7                              | 12     | 19     | 33      | 45      | 75     | 107     | 165    | 221     | 284     | 446     | 644     |  |  |
|                      | 10               | 5                              | 9      | 14     | 25      | 34      | 56     | 80      | 123    | 164     | 212     | 332     | 480     |  |  |
|                      | 8                | 3                              | 5      | 8      | 14      | 19      | 31     | 44      | 68     | 91      | 118     | 185     | 267     |  |  |
|                      | 6                | 1                              | 1      | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1       | 1       |  |  |
|                      | 4                | 1                              | 1      | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1       | 1       |  |  |
|                      | 3                | 1                              | 1      | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1       | 1       |  |  |
|                      | 2                | 1                              | 1      | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1       | 1       |  |  |
|                      | 1                | 1                              | 1      | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1       | 1       |  |  |
|                      | 1/0              | 1                              | 1      | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1       | 1       |  |  |
|                      | 2/0              | 0                              | 1      | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1       | 1       |  |  |
|                      | 3/0              | 0                              | 1      | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1       | 1       |  |  |
|                      | 4/0              | 0                              | 1      | 1      | 1       | 1       | 1      | 1       | 1      | 1       | 1       | 1       | 1       |  |  |
| RHH*, RHW*, RHW-2*   | 14               | 6                              | 10     | 17     | 29      | 39      | 65     | 93      | 143    | 191     | 246     | 387     | 558     |  |  |
|                      | 12               | 5                              | 8      | 13     | 23      | 32      | 52     | 75      | 115    | 154     | 198     | 311     | 448     |  |  |
|                      | 10               | 3                              | 6      | 10     | 18      | 25      | 41     | 58      | 90     | 120     | 154     | 242     | 350     |  |  |
|                      | 8                | 1                              | 4      | 6      | 11      | 15      | 24     | 35      | 54     | 72      | 92      | 145     | 209     |  |  |

| CONDUCTORS                               |                  |                                |        |        |         |         |        |         |        |         |         |         |         |  |  |
|------------------------------------------|------------------|--------------------------------|--------|--------|---------|---------|--------|---------|--------|---------|---------|---------|---------|--|--|
| Type                                     | Conductor        | Metric Designator (Trade Size) |        |        |         |         |        |         |        |         |         |         |         |  |  |
|                                          | Size (AWG/kcmil) | 16 (½)                         | 21 (¾) | 27 (1) | 35 (1¼) | 41 (1½) | 53 (2) | 63 (2½) | 78 (3) | 91 (3½) | 103 (4) | 129 (5) | 155 (6) |  |  |
| RHH*, RHW*, RHW-2*, TW, THW, THHW, THW-2 | 6                | 1                              | 3      | 5      | 8       | 11      | 18     | 27      | 41     | 55      | 71      | 111     | 160     |  |  |
|                                          | 4                | 1                              | 1      | 3      | 6       | 8       | 14     | 20      | 31     | 41      | 53      | 83      | 120     |  |  |
|                                          | 3                | 1                              | 1      | 3      | 5       | 7       | 12     | 17      | 26     | 35      | 45      | 71      | 103     |  |  |
|                                          | 2                | 1                              | 1      | 2      | 4       | 6       | 10     | 14      | 22     | 30      | 38      | 60      | 87      |  |  |
|                                          | 1                | 1                              | 1      | 1      | 3       | 4       | 7      | 10      | 15     | 21      | 27      | 42      | 61      |  |  |
|                                          | 1/0              | 0                              | 1      | 1      | 2       | 3       | 6      | 8       | 13     | 18      | 23      | 36      | 52      |  |  |
|                                          | 2/0              | 0                              | 1      | 1      | 2       | 3       | 5      | 7       | 11     | 15      | 19      | 31      | 44      |  |  |
|                                          | 3/0              | 0                              | 1      | 1      | 1       | 2       | 4      | 6       | 9      | 13      | 16      | 26      | 37      |  |  |
|                                          | 4/0              | 0                              | 0      | 1      | 1       | 1       | 3      | 5       | 8      | 10      | 14      | 21      | 31      |  |  |
|                                          | 250              | 0                              | 0      | 1      | 1       | 1       | 3      | 4       | 6      | 8       | 11      | 17      | 25      |  |  |
|                                          | 300              | 0                              | 0      | 1      | 1       | 1       | 2      | 3       | 5      | 7       | 9       | 15      | 22      |  |  |
|                                          | 350              | 0                              | 0      | 0      | 1       | 1       | 1      | 3       | 5      | 6       | 8       | 13      | 19      |  |  |
|                                          | 400              | 0                              | 0      | 0      | 1       | 1       | 1      | 3       | 4      | 6       | 7       | 12      | 17      |  |  |
|                                          | 500              | 0                              | 0      | 0      | 1       | 1       | 1      | 2       | 3      | 5       | 6       | 10      | 14      |  |  |
|                                          | 600              | 0                              | 0      | 0      | 1       | 1       | 1      | 1       | 3      | 4       | 5       | 8       | 12      |  |  |
|                                          | 700              | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 2      | 3       | 4       | 7       | 10      |  |  |
|                                          | 750              | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 2      | 3       | 4       | 6       | 9       |  |  |
|                                          | 800              | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 2      | 3       | 4       | 6       | 8       |  |  |
|                                          | 900              | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 1      | 3       | 4       | 6       | 8       |  |  |
|                                          | 1000             | 0                              | 0      | 0      | 0       | 0       | 1      | 1       | 1      | 2       | 3       | 5       | 8       |  |  |
| THHN, THWN, THWN-2                       | 14               | 13                             | 22     | 36     | 63      | 85      | 140    | 200     | 309    | 412     | 531     | 833     | 1202    |  |  |
|                                          | 12               | 9                              | 16     | 26     | 46      | 62      | 102    | 146     | 225    | 301     | 387     | 608     | 877     |  |  |
|                                          | 10               | 6                              | 10     | 17     | 29      | 39      | 64     | 92      | 142    | 189     | 244     | 383     | 552     |  |  |
|                                          | 8                | 3                              | 6      | 9      | 16      | 22      | 37     | 53      | 82     | 109     | 140     | 221     | 318     |  |  |
|                                          | 6                | 2                              | 4      | 7      | 12      | 16      | 27     | 38      | 59     | 79      | 101     | 159     | 230     |  |  |
|                                          | 4                | 1                              | 2      | 4      | 7       | 10      | 16     | 23      | 36     | 48      | 62      | 98      | 141     |  |  |
|                                          | 3                | 1                              | 1      | 3      | 6       | 8       | 14     | 20      | 31     | 41      | 53      | 83      | 120     |  |  |
|                                          | 2                | 1                              | 1      | 3      | 5       | 7       | 11     | 17      | 26     | 34      | 44      | 70      | 100     |  |  |
|                                          | 1                | 1                              | 1      | 1      | 4       | 5       | 8      | 12      | 19     | 25      | 33      | 51      | 74      |  |  |
|                                          | 1/0              | 1                              | 1      | 1      | 3       | 4       | 7      | 10      | 16     | 21      | 27      | 43      | 63      |  |  |
|                                          | 2/0              | 0                              | 1      | 1      | 2       | 3       | 6      | 8       | 13     | 18      | 23      | 36      | 52      |  |  |
|                                          | 3/0              | 0                              | 1      | 1      | 1       | 3       | 5      | 7       | 11     | 15      | 19      | 30      | 43      |  |  |
|                                          | 4/0              | 0                              | 1      | 1      | 1       | 2       | 4      | 6       | 9      | 12      | 16      | 25      | 36      |  |  |
|                                          | 250              | 0                              | 0      | 1      | 1       | 1       | 3      | 5       | 7      | 10      | 13      | 20      | 29      |  |  |
|                                          | 300              | 0                              | 0      | 1      | 1       | 1       | 3      | 4       | 6      | 8       | 11      | 17      | 25      |  |  |
|                                          | 350              | 0                              | 0      | 1      | 1       | 1       | 2      | 3       | 5      | 7       | 10      | 15      | 22      |  |  |
|                                          | 400              | 0                              | 0      | 1      | 1       | 1       | 2      | 3       | 5      | 7       | 8       | 13      | 20      |  |  |
|                                          | 500              | 0                              | 0      | 0      | 1       | 1       | 1      | 2       | 4      | 5       | 7       | 11      | 16      |  |  |
|                                          | 600              | 0                              | 0      | 0      | 1       | 1       | 1      | 1       | 3      | 4       | 6       | 9       | 13      |  |  |
|                                          | 700              | 0                              | 0      | 0      | 1       | 1       | 1      | 1       | 3      | 4       | 5       | 8       | 11      |  |  |
|                                          | 750              | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 3      | 4       | 5       | 7       | 11      |  |  |
|                                          | 800              | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 2      | 3       | 4       | 7       | 10      |  |  |
|                                          | 900              | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 2      | 3       | 4       | 6       | 9       |  |  |
|                                          | 1000             | 0                              | 0      | 0      | 0       | 1       | 1      | 1       | 1      | 3       | 4       | 6       | 8       |  |  |

Note: This table is for concentric stranded conductors only. For compact stranded conductors, Table C8(A) should be used.  
\*Types RHH, RHW, and RHW-2 without outer covering.