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Maximum Number of Conductors in Trade Sizes of Conduit  
Canadian Electrical Code Rule 12-1014

**NEXANS CABLES INC.** Insulated Cables

T90 Nylon/TWN75, 600 Volt, Copper, Without Jacket

|                   |     |      |    |      |     |    |     |    |     |     |     |     |     |
|-------------------|-----|------|----|------|-----|----|-----|----|-----|-----|-----|-----|-----|
| Trade Size (inch) | 0.5 | 0.75 | 1  | 1.25 | 1.5 | 2  | 2.5 | 3  | 3.5 | 4   | 4.5 | 5   | 6   |
| Trade Size (mm)   | 16  | 21   | 27 | 35   | 41  | 53 | 63  | 78 | 91  | 103 | 116 | 129 | 155 |

| AWG(strands) | Diam(mm) | Maximum Number of Conductors |    |    |    |    |     |     |     |     |     |     |     |     |
|--------------|----------|------------------------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 14(1)        | 2.7      | 13                           | 24 | 38 | 67 | 91 | 151 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 14(19)       | 2.9      | 12                           | 22 | 36 | 62 | 85 | 140 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 12(1)        | 3.1      | 10                           | 18 | 29 | 51 | 69 | 114 | 163 | 200 | 200 | 200 | 200 | 200 | 200 |
| 12(19)       | 3.3      | 9                            | 16 | 26 | 45 | 62 | 102 | 145 | 200 | 200 | 200 | 200 | 200 | 200 |
| 10(1)        | 3.9      | 6                            | 11 | 18 | 32 | 44 | 72  | 103 | 159 | 200 | 200 | 200 | 200 | 200 |
| 10(19)       | 4.2      | 5                            | 10 | 16 | 28 | 38 | 63  | 90  | 139 | 187 | 200 | 200 | 200 | 200 |
| 8(19)        | 5.7      | 3                            | 5  | 9  | 16 | 22 | 36  | 52  | 80  | 107 | 138 | 173 | 200 | 200 |
| 6(19)        | 6.7      | 1                            | 4  | 6  | 11 | 16 | 26  | 37  | 58  | 77  | 100 | 125 | 157 | 200 |
| 4(19)        | 8.5      | 1                            | 2  | 4  | 7  | 9  | 16  | 23  | 35  | 47  | 61  | 77  | 96  | 140 |
| 3(19)        | 9.2      | 1                            | 1  | 3  | 6  | 8  | 13  | 19  | 30  | 40  | 52  | 65  | 82  | 118 |
| 2(19)        | 10       | 1                            | 1  | 2  | 5  | 7  | 11  | 16  | 25  | 34  | 43  | 55  | 69  | 99  |
| 1(19)        | 11.3     | 1                            | 1  | 1  | 3  | 5  | 8   | 12  | 19  | 25  | 32  | 41  | 51  | 74  |
| 1/0(19)      | 12       | 0                            | 1  | 1  | 3  | 4  | 7   | 10  | 16  | 22  | 29  | 36  | 45  | 65  |
| 2/0(19)      | 13.1     | 0                            | 1  | 1  | 2  | 3  | 6   | 9   | 14  | 18  | 24  | 30  | 38  | 55  |
| 3/0(19)      | 14.4     | 0                            | 1  | 1  | 1  | 3  | 5   | 7   | 11  | 15  | 20  | 25  | 31  | 45  |
| 4/0(19)      | 16.1     | 0                            | 0  | 1  | 1  | 2  | 4   | 6   | 9   | 12  | 16  | 20  | 25  | 36  |
| 250(37)      | 17.9     | 0                            | 0  | 1  | 1  | 1  | 3   | 4   | 7   | 10  | 13  | 16  | 20  | 29  |
| 300(37)      | 19.3     | 0                            | 0  | 1  | 1  | 1  | 2   | 4   | 6   | 8   | 11  | 14  | 17  | 25  |
| 350(37)      | 21.3     | 0                            | 0  | 0  | 1  | 1  | 2   | 3   | 5   | 7   | 9   | 12  | 15  | 22  |
| 400(37)      | 21.7     | 0                            | 0  | 0  | 1  | 1  | 1   | 3   | 5   | 6   | 8   | 11  | 13  | 20  |
| 500(37)      | 23.8     | 0                            | 0  | 0  | 1  | 1  | 1   | 2   | 4   | 5   | 7   | 9   | 11  | 16  |

Measured wire diameters are taken from the Manufacturer's Web Site  
Wire diameters last updated May 1, 2007