

| Conduit Trade Size* | | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 3 1/2" | 4" | 5" |
|--------------------------------|-------|------|------|------|--------|--------|------|--------|------|--------|-------|-------|
| Conduit Inner Diameter | | 0.62 | 0.82 | 1.05 | 1.38 | 1.61 | 2.07 | 2.56 | 3.07 | 3.55 | 4.03 | 5.05 |
| Conduit Outer Diameter | | 0.84 | 1.05 | 1.32 | 1.70 | 1.90 | 2.38 | 2.88 | 3.50 | 4.00 | 4.50 | 5.56 |
| Fill Area (sq. In.) | | 0.30 | 0.53 | 0.86 | 1.50 | 2.04 | 3.36 | 4.79 | 7.39 | 9.89 | 12.73 | 20.01 |
| Recommended Fill 40% (sq. in.) | | 0.12 | 0.21 | 0.35 | 0.60 | 0.81 | 1.35 | 1.92 | 2.96 | 3.95 | 5.09 | 8.00 |
| Cable Area (sq. in.)--> | >>> | | | | | | | | | | | |
| Cable OD (in) | v | | | | | | | | | | | |
| 0.10 | 0.008 | 15 | 27 | 44 | 76 | 103 | 171 | 243 | 375 | 500 | 644 | 1013 |
| 0.13 | 0.012 | 10 | 17 | 28 | 49 | 66 | 109 | 156 | 240 | 320 | 412 | 648 |
| 0.15 | 0.018 | 7 | 12 | 20 | 34 | 46 | 76 | 108 | 167 | 222 | 286 | 450 |
| 0.18 | 0.026 | 5 | 8 | 14 | 23 | 32 | 53 | 75 | 116 | 154 | 199 | 313 |
| 0.20 | 0.032 | 4 | 7 | 11 | 19 | 26 | 43 | 61 | 94 | 125 | 161 | 253 |
| 0.21 | 0.035 | 3 | 6 | 10 | 17 | 23 | 39 | 55 | 85 | 113 | 146 | 230 |
| 0.22 | 0.038 | 3 | 5 | 9 | 16 | 21 | 35 | 50 | 77 | 103 | 133 | 209 |
| 0.23 | 0.042 | 3 | 5 | 8 | 14 | 19 | 32 | 46 | 71 | 95 | 122 | 191 |
| 0.24 | 0.046 | 3 | 5 | 8 | 13 | 18 | 30 | 42 | 65 | 87 | 112 | 176 |
| 0.25 | 0.049 | 2 | 4 | 7 | 12 | 16 | 27 | 39 | 60 | 80 | 103 | 162 |
| 0.26 | 0.053 | 2 | 4 | 7 | 11 | 15 | 25 | 36 | 55 | 74 | 95 | 150 |
| 0.27 | 0.058 | 2 | 4 | 6 | 10 | 14 | 23 | 33 | 51 | 69 | 88 | 139 |
| 0.28 | 0.062 | 2 | 3 | 6 | 10 | 13 | 22 | 31 | 48 | 64 | 82 | 129 |
| 0.29 | 0.066 | 2 | 3 | 5 | 9 | 12 | 20 | 29 | 45 | 59 | 77 | 120 |
| 0.30 | 0.071 | 2 | 3 | 5 | 8 | 11 | 19 | 27 | 42 | 56 | 72 | 113 |
| 0.31 | 0.076 | 2 | 3 | 5 | 8 | 11 | 18 | 25 | 39 | 52 | 67 | 105 |
| 0.32 | 0.081 | 1 | 3 | 4 | 7 | 10 | 17 | 24 | 37 | 49 | 63 | 99 |
| 0.33 | 0.086 | 1 | 2 | 4 | 7 | 9 | 16 | 22 | 34 | 46 | 59 | 93 |
| 0.34 | 0.091 | 1 | 2 | 4 | 7 | 9 | 15 | 21 | 32 | 43 | 56 | 88 |
| 0.35 | 0.097 | 1 | 2 | 4 | 6 | 8 | 14 | 20 | 31 | 41 | 53 | 83 |
| 0.40 | 0.126 | 1 | 2 | 3 | 5 | 6 | 11 | 15 | 23 | 31 | 40 | 63 |
| 0.45 | 0.160 | 1 | 1 | 2 | 4 | 5 | 8 | 12 | 19 | 25 | 32 | 50 |
| 0.50 | 0.198 | 1 | 1 | 2 | 3 | 4 | 7 | 10 | 15 | 20 | 26 | 41 |
| 0.55 | 0.239 | 1 | 1 | 1 | 3 | 3 | 6 | 8 | 12 | 17 | 21 | 33 |
| 0.60 | 0.284 | 0 | 1 | 1 | 2 | 3 | 5 | 7 | 10 | 14 | 18 | 28 |
| 0.65 | 0.334 | 0 | 1 | 1 | 2 | 2 | 4 | 6 | 9 | 12 | 15 | 24 |
| 0.70 | 0.387 | 0 | 1 | 1 | 2 | 2 | 3 | 5 | 8 | 10 | 13 | 21 |
| 0.75 | 0.444 | 0 | 0 | 1 | 1 | 2 | 3 | 4 | 7 | 9 | 11 | 18 |
| 0.80 | 0.506 | 0 | 0 | 1 | 1 | 2 | 3 | 4 | 6 | 8 | 10 | 16 |
| 0.85 | 0.571 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 5 | 7 | 9 | 14 |
| 0.90 | 0.640 | 0 | 0 | 1 | 1 | 1 | 2 | 3 | 5 | 6 | 8 | 13 |
| 0.95 | 0.713 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 4 | 6 | 7 | 11 |
| 1.00 | 0.790 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 10 |

ADDITIONAL INFORMATION:

- This information is intended as a guideline, conduit sizes may vary by manufacturer. Please verify all dimensions prior to using this reference chart.
- All dimensions are rounded up and shown above in inches.
- This guide is based on NEC recommendations of 40% fill for 3+ cables per conduit.
- These guidelines are based on straight runs, for each 90 bend reduce available space by 15%.
- Lubricants are recommended. Check compatibility with jacket materials.